
Package

nl.tue.fingerpaint.client

nl.tue.fingerpaint.client

Class Fingerpaint

java.lang.Object

└─nl.tue.fingerpaint.client.Fingerpaint

All Implemented Interfaces:

com.google.gwt.core.client.EntryPoint

public class **Fingerpaint**
 extends java.lang.Object
 implements com.google.gwt.core.client.EntryPoint

This is the entry point of the Fingerpaint application.

Field Summary

| | |
|---------------------|---|
| protected | as Class to keep track of everything the user has selected |
| public static final | CANVAS_RESIZE_INTERVAL Time to wait before actually resizing the canvas. Value: 20 |
| public static final | CANVAS_RESIZE_STOP_AFTER_IDLE Number of times the canvas resize timer will run before stopping itself when no resize events occur. Value: 10 |
| protected | graphVisualisator Holds the mixingPerformance of the last run. |
| protected | lastSaveButtonClicked String to determine the save button (either distribution, results or protocol) that was clicked last. |
| protected | timer Timer to execute on resize. |

Constructor Summary

| | |
|--------|---------------------------------|
| public | Fingerpaint () |
|--------|---------------------------------|

Method Summary

| | |
|------|--|
| void | centerPopupPanels () Center all currently visible PopupPanels both horizontally and vertically in the screen. |
| void | createGraph (com.google.gwt.user.client.ui.Panel panel, java.util.ArrayList names, java.util.ArrayList performance, com.google.gwt.user.client.rpc.AsyncCallback onLoad) Adds a linechart-graph of the performance to panel |

| | |
|--|--|
| void | <code>createMixingWidgets()</code> Initialise the widgets for the mixing interface. |
| void | <code>executeMixingRun(MixingProtocol protocol, int nrSteps, boolean mixingRun)</code> Saves the initial distribution. |
| void | <code>exportGraph(boolean multiple)</code> Save the currently shown graph to disk in svg format. |
| int | <code>getCursorSize()</code> this method is used to acquire the size of the current cursor in pixels |
| <code>GraphVisualisator</code> | <code>getGraphVisualisator()</code> Returns the graph visualisator that holds the mixing performance of the last run. |
| <code>java.lang.String</code> | <code>getLastClicked()</code> Returns the String that describes which save button has been clicked last. |
| void | <code>loadMenu()</code> Build and show the main menu. |
| void | <code>onModuleLoad()</code> This is the entry point method. |
| void | <code>resetProtocol()</code> resets the current protocol and the protocol widgets |
| int | <code>save(java.lang.String name, boolean canOverwrite)</code> Saves the current protocol, distribution or mixing results, depending on which save-button was pressed last. |
| void | <code>setLastClicked(java.lang.String lastClicked)</code> Sets the String that describes which save button has been clicked last. |
| void | <code>setLoadingPanelMessage(java.lang.String message)</code> Change the message that is displayed in the load panel below the loading animation. |
| void | <code>setLoadingPanelVisible(boolean visible)</code> Show or hide an overlay with a loading animation in the centre. |
| void | <code>showError(java.lang.String message)</code> Show a pop-up with given message that indicates an error has occurred. |
| void | <code>showSavePanel()</code> Shows <code>GuiState.saveItemPanel</code> and clears <code>GuiState.saveNameTextBox</code> . |

Methods inherited from class `java.lang.Object`

`clone`, `equals`, `finalize`, `getClass`, `hashCode`, `notify`, `notifyAll`, `toString`, `wait`, `wait`, `wait`

Methods inherited from interface `com.google.gwt.core.client.EntryPoint`

`onModuleLoad`

Fields

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CANVAS_RESIZE_INTERVAL

```
public static final int CANVAS_RESIZE_INTERVAL
```

Time to wait before actually resizing the canvas. In the mean, all new requests to resize the canvas are ignored. Basically, resize events are queued and batch processed.
Constant value: **20**

CANVAS_RESIZE_STOP_AFTER_IDLE

```
public static final int CANVAS_RESIZE_STOP_AFTER_IDLE
```

Number of times the canvas resize timer will run before stopping itself when no resize events occur.
Constant value: **10**

as

```
protected nl.tue.fingerpaint.client.model.ApplicationState as
```

Class to keep track of everything the user has selected

graphVisualisator

```
protected nl.tue.fingerpaint.client.gui.GraphVisualisator graphVisualisator
```

Holds the mixingPerformance of the last run.

lastSaveButtonClicked

```
protected java.lang.String lastSaveButtonClicked
```

String to determine the save button (either distribution, results or protocol) that was clicked last.

timer

```
protected com.google.gwt.user.client.Timer timer
```

Timer to execute on resize.

Constructors

Fingerpaint

```
public Fingerpaint()
```

Methods

onModuleLoad

```
public void onModuleLoad()
```

This is the entry point method.

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centerPopupPanels

```
public void centerPopupPanels()
```

Center all currently visible `PopupPanels` both horizontally and vertically in the screen.

Also positions the notifications where they belong.

getLastClicked

```
public java.lang.String getLastClicked()
```

Returns the String that describes which save button has been clicked last.

Returns:

the String that describes which save button has been clicked last.

setLastClicked

```
public void setLastClicked(java.lang.String lastClicked)
```

Sets the String that describes which save button has been clicked last.

Parameters:

`lastClicked` - The new value that describes which save button has been clicked last.

getGraphVisualisator

```
public GraphVisualisator getGraphVisualisator()
```

Returns the graph visualisator that holds the mixing performance of the last run.

Returns:

The graph visualisator that holds the mixing performance of the last run

loadMenu

```
protected void loadMenu()
```

Build and show the main menu.

showError

```
protected void showError(java.lang.String message)
```

Show a pop-up with given message that indicates an error has occurred.

Parameters:

`message` - A message that explains the error.

exportGraph

```
public void exportGraph(boolean multiple)
```

Save the currently shown graph to disk in svg format.

Parameters:

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`multiple` - Indicates whether the single graph or the multiple graphs graph should be exported.

setLoadingPanelMessage

```
protected void setLoadingPanelMessage(java.lang.String message)
```

Change the message that is displayed in the load panel below the loading animation.

Parameters:

`message` - The message to show below the animation. When null, the message will be deleted.

getCursorSize

```
public int getCursorSize()
```

this method is used to acquire the size of the current cursor in pixels

Returns:

`cursorSizeSpinner.getValue()`

showSavePanel

```
public void showSavePanel()
```

Shows [GuiState.saveItemPanel](#) and clears [GuiState.saveNameTextBox](#). Also gives focus to the textbox.

save

```
public int save(java.lang.String name,  
                boolean canOverwrite)
```

Saves the current protocol, distribution or mixing results, depending on which save-button was pressed last.

Parameters:

`name` - Name of save "file".

`canOverwrite` - If we can overwrite an already-existing "file" with the given name or not.

Returns:

- `SAVE_SUCCESSFUL` If saving was successful.
- `NOT_INITIALISED_ERROR` If the local storage is not initialised.
- `NAME_IN_USE_ERROR` If the name is already in use.
- `QUOTA_EXCEEDED_ERROR` If the local storage is full.
- `NONEXISTANT_KEY_ERROR` If the key does not exist.
- `UNKNOWN_ERROR` If an error occurs, other than those above.

setLoadingPanelVisible

```
protected void setLoadingPanelVisible(boolean visible)
```

Show or hide an overlay with a loading animation in the centre. Making this panel visible will make it impossible for the user to give input.

When hiding the panel, the message will also be reset. Change it with [setLoadingPanelMessage\(String\)](#).

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Parameters:

visible - If the panel should be hidden or shown.

createMixingWidgets

```
public void createMixingWidgets()
```

Initialise the widgets for the mixing interface.

createGraph

```
public void createGraph(com.google.gwt.user.client.ui.Panel panel,  
    java.util.ArrayList names,  
    java.util.ArrayList performance,  
    com.google.gwt.user.client.rpc.AsyncCallback onLoad)
```

Adds a linechart-graph of the performance to panel

Parameters:

panel - The panel the chart will be added to

names - List of names of the different plots in the chart

performance - Values of the different plots

onLoad - Callback to execute when the image with the graph has been loaded and added to the page.

resetProtocol

```
public void resetProtocol()
```

resets the current protocol and the protocol widgets

executeMixingRun

```
public void executeMixingRun(MixingProtocol protocol,  
    int nrSteps,  
    boolean mixingRun)
```

Saves the initial distribution. Sends all current information about the protocol and the distribution to the server. Displays the results on screen.

Parameters:

protocol - The protocol that should be executed.

nrSteps - The number of times the protocol should be executed

mixingRun - true if a complete run is executed, false if this is only a single step.

nl.tue.fingerpaint.client

Class TimeoutRpcRequestBuilder

```

java.lang.Object
  |
  +- com.google.gwt.user.client.rpc.RpcRequestBuilder
      |
      +- nl.tue.fingerpaint.client.TimeoutRpcRequestBuilder
  
```

```

public class TimeoutRpcRequestBuilder
extends com.google.gwt.user.client.rpc.RpcRequestBuilder
  
```

Class that creates a `com.google.gwt.user.client.rpc.ServiceDefTarget` class of your choice that fails after a given amount of time before the request returns.

Field Summary

| | |
|----------------------------------|---|
| <code>public static final</code> | <code>DEFAULT_TIMEOUT</code> The default timeout for a request. Value: 60000 |
|----------------------------------|---|

Fields inherited from class `com.google.gwt.user.client.rpc.RpcRequestBuilder`

`CONTENT_TYPE_HEADER`, `MODULE_BASE_HEADER`, `STRONG_NAME_HEADER`

Constructor Summary

| | |
|---------------------|--|
| <code>public</code> | <code>TimeoutRpcRequestBuilder()</code> Constructs a <code>TimeoutRpcRequestBuilder</code> object with the default timeout. |
| <code>public</code> | <code>TimeoutRpcRequestBuilder(int timeoutMillis)</code> Constructs a <code>TimeoutRpcRequestBuilder</code> object. |

Method Summary

| | |
|--|--|
| <code>com.google.gwt.http.client.RequestBuilder</code> | <code>doCreate(java.lang.String serviceEntryPoint)</code> |
| <code>int</code> | <code>getTimeoutMillis()</code> Returns the number of milliseconds after which the class fails. |

Methods inherited from class `com.google.gwt.user.client.rpc.RpcRequestBuilder`

`create`, `doCreate`, `doFinish`, `doSetCallback`, `doSetContentType`, `doSetRequestData`, `doSetRequestId`, `finish`, `setCallback`, `setContentType`, `setRequestData`, `setRequestId`

Methods inherited from class `java.lang.Object`

`clone`, `equals`, `finalize`, `getClass`, `hashCode`, `notify`, `notifyAll`, `toString`, `wait`, `wait`, `wait`

Fields

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DEFAULT_TIMEOUT

```
public static final int DEFAULT_TIMEOUT
```

The default timeout for a request.
Constant value: **60000**

Constructors

TimeoutRpcRequestBuilder

```
public TimeoutRpcRequestBuilder()
```

Constructs a TimeoutRpcRequestBuilder object with the default timeout.

TimeoutRpcRequestBuilder

```
public TimeoutRpcRequestBuilder(int timeoutMillis)
```

Constructs a TimeoutRpcRequestBuilder object.

Parameters:

timeoutMillis - The number of milliseconds after which the class fails

Methods

getTimeoutMillis

```
public int getTimeoutMillis()
```

Returns the number of milliseconds after which the class fails.

Returns:

The number of milliseconds after which the class fails

doCreate

```
protected com.google.gwt.http.client.RequestBuilder doCreate(java.lang.String  
serviceEntryPoint)
```

Package

nl.tue.fingerpaint.client.gui

nl.tue.fingerprint.client.gui

Class CustomTreeModel

```
java.lang.Object
```

```
└─nl.tue.fingerprint.client.gui.CustomTreeModel
```

All Implemented Interfaces:

```
com.google.gwt.view.client.TreeViewModel
```

```
public class CustomTreeModel
extends java.lang.Object
implements com.google.gwt.view.client.TreeViewModel
```

The model that defines the nodes in the `com.google.gwt.user.cellview.client.CellBrowser` that is used as a main menu.

Constructor Summary

| | |
|--------|---|
| public | CustomTreeModel (Fingerprint parent, ApplicationState appState) |
| | Construct a specific <code>com.google.gwt.view.client.TreeViewModel</code> that can be used in the <code>com.google.gwt.user.cellview.client.CellBrowser</code> of the Fingerprint application. |

Method Summary

| | |
|--|---|
| <code>com.google.gwt.view.client.TreeViewModel.NodeInfo</code> | getNodeInfo (<code>java.lang.Object value</code>) |
| | Get the <code>com.google.gwt.view.client.TreeViewModel.NodeInfo</code> that provides the children of the specified value. |
| boolean | isLeaf (<code>java.lang.Object value</code>) |
| | Check if the specified value represents a leaf node. |

Methods inherited from class `java.lang.Object`

`clone`, `equals`, `finalize`, `getClass`, `hashCode`, `notify`, `notifyAll`, `toString`, `wait`, `wait`, `wait`

Methods inherited from interface `com.google.gwt.view.client.TreeViewModel`

`getNodeInfo`, `isLeaf`

Constructors

CustomTreeModel

```
public CustomTreeModel(Fingerprint parent,
ApplicationState appState)
```

Construct a specific `com.google.gwt.view.client.TreeViewModel` that can be used in the `com.google.gwt.user.cellview.client.CellBrowser` of the Fingerprint application.

Parameters:

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parent - A reference to the Fingerprint class. Used to execute mixing protocols.

appState - Reference to the model that holds the state of the application.

Methods

getNodeInfo

```
public com.google.gwt.view.client.TreeViewModel.NodeInfo getNodeInfo(java.lang.Object value)
```

Get the `com.google.gwt.view.client.TreeViewModel.NodeInfo` that provides the children of the specified value.

isLeaf

```
public boolean isLeaf(java.lang.Object value)
```

Check if the specified value represents a leaf node. Leaf nodes cannot be opened.

nl.tue.fingerpaint.client.gui Class GraphVisualisator

```
java.lang.Object
  |
  +--nl.tue.fingerpaint.client.gui.GraphVisualisator
```

```
public class GraphVisualisator
  extends java.lang.Object
```

Class for the creation of segregation graphs.

How to call this class

Load the visualisation API, passing the onLoadCallback to be called when loading is done. This should be done as follows:

```
GraphVisualisator gv = new GraphVisualisator();
Runnable onLoad = gv.createGraph(...);
VisualizationUtils.loadVisualizationApi(onLoad, LineChart.PACKAGE);
```

Constructor Summary

| | |
|--------|-------------------------------------|
| public | GraphVisualisator() |
|--------|-------------------------------------|

Method Summary

| | |
|--------------------|---|
| void | clearSegregationResults() Clears the list of with lists of segregation points |
| java.lang.Runnable | createGraph (com.google.gwt.user.client.ui.Panel panel, java.util.ArrayList names, java.util.ArrayList performance, com.google.gwt.user.client.rpc.AsyncCallback onLoad, int height, int width) Returns the runnable object to initiate drawing the graph in Fingerpaint.createGraph() |

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

GraphVisualisator

```
public GraphVisualisator()
```

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Methods

createGraph

```
public java.lang.Runnable createGraph(com.google.gwt.user.client.ui.Panel panel,  
    java.util.ArrayList names,  
    java.util.ArrayList performance,  
    com.google.gwt.user.client.rpc.AsyncCallback onLoad,  
    int height,  
    int width)
```

Returns the runnable object to initiate drawing the graph in `Fingerpaint.createGraph()`

Parameters:

panel - The panel the graph will be added to
names - List of names of the different plots in the chart
performance - Values of the different plots
onLoad - A callback to execute when the graph has been loaded.
height - The height of the image to be drawn
width - The width of the image to be drawn

Returns:

The runnable object to initiate drawing the graph

clearSegregationResults

```
public void clearSegregationResults()
```

Clears the list of with lists of segregation points

nl.tue.fingerpaint.client.gui

Class GuiState

java.lang.Object

└─nl.tue.fingerpaint.client.gui.GuiState

```
public class GuiState
extends java.lang.Object
```

A class that contains references to all the GUI elements used in the Fingerpaint application. This class is used as an "element manager", for easy element referencing.

All widgets that can be initialised, must be initialised in this class.

Field Summary

| | |
|---------------|---|
| public static | backMenu1Button Button that is used in the first menu level to go up one level. |
| public static | backMenu2Button Button that is used in the second menu level to go up one level. |
| public static | backStopDefiningProtocol Button that is used in the submenu with protocol related stuff to go back to the main menu. |
| public static | cancelCompareButton Cancel button inside the compare performance pop-up. |
| public static | cancelSaveResultsButton Cancel button inside the save pop-up menu. |
| public static | circleDrawingTool Button to select the circle-shaped drawing tool. |
| public static | closeCompareButton Close button inside the compare performance pop-up. |
| public static | closeLoadButton Button to close the load pop-up menu. |
| public static | closeResultsButton Button to close the remove results pop-up panel. |
| public static | closeSaveButton Ok / Cancel button to close the save results or overwrite pop-up panel. |
| public static | closeSingleGraphViewButton Button to close the performance pop-up. |
| public static | compareButton Button to compare the performance of the selected mixing runs. |
| public static | compareGraphPanel Simple panel that displays a graph with the mixing performance of the selected mixing runs. |

| | |
|---------------------|--|
| public static | <u>comparePerformanceButton</u> Button to compare the performance of previously saved mixing runs. |
| public static | <u>comparePopupPanel</u> Pop-up panel that displays the simple panel with the performance graph and New Comparison and Close buttons. |
| public static | <u>compareSelectPopupCellList</u> CellList that can be used to select multiple mixing runs from all available saved mixing runs. |
| public static | <u>compareSelectPopupPanel</u> Pop-up panel to display all the previously stored mixing runs with performance. |
| public static | <u>cursorSizeSpinner</u> Numberspinner to change the size of the drawing tool. |
| public static final | <u>DEFAULT_TIMEOUT</u> Stores how long in milliseconds a SAVE_SUCCESS_MESSAGE should be shown in a NotificationPanel. Value: 2000 |
| public static | <u>distributionsButton</u> Button to enter the submenu with distribution related actions. |
| public static | <u>distributionsLabel</u> Label to be displayed above the distributions related submenu. |
| public static | <u>drawingToolLabel</u> Label to be displayed above the drawing tool related submenu. |
| public static | <u>exportDistributionButton</u> Button to export the image of the current distribution. |
| public static | <u>exportMultipleGraphButton</u> Button to export the image of multiple mixing performances. |
| public static | <u>exportSingleGraphButton</u> Button to export the image of the current mixing performance. |
| public static | <u>initDistFlexTable</u> Flextable to hold all the protocol entries. |
| public static | <u>labelProtocolLabel</u> Label to be displayed above the protocol-related buttons, to explain their purpose. |
| public static | <u>labelProtocolRepresentation</u> Label that shows the textual representation of the current mixing protocol. |
| public static | <u>listScrollPanel</u> Scroll panel to hold the lists in the the loadVerticalPanel and removeResultsVerticalPanel |
| public static | <u>loadingPanel</u> Panel that covers the entire application and blocks the user from accessing other features. |
| public static final | <u>LOADINGPANEL_ID</u> The ID for the loading panel. Value: loading-overlay |

| | |
|---------------------|--|
| public static final | <u>LOADING_PANEL_MESSAGE_ID</u> The ID for the message to be displayed in the loading panel. Value: loading-overlay-message |
| public static | <u>loadingPanelMessage</u> The message to be shown below the loading animation of the loading panel. |
| public static | <u>loadInitDistButton</u> Button to load an initial concentration distribution. |
| public static | <u>loadInitDistCellList</u> CellList used to select and load one previously saved concentration distribution. |
| public static | <u>loadLabel</u> Label that can be used to indicate that some action is taking place. |
| public static | <u>loadPanel</u> Pop-up panel to handle the loading of previously saved items. |
| public static | <u>loadProtocolButton</u> Button to load a mixing protocol. |
| public static | <u>loadProtocolCellList</u> CellList that can be used to load a previously saved mixing protocol. |
| public static | <u>loadResultsButton</u> Button to load a previously saved mixing result |
| public static | <u>LoadResultsCellList</u> CellList to list the to be loaded results |
| public static | <u>loadVerticalPanel</u> Vertical panel to hold the textbox and the cancel button in the load pop-up panel. |
| public static | <u>menuPanelInnerWrapper</u> Wrapper for the <u>menuPanelOuterWrapper</u> , used in animation of submenus. |
| public static | <u>menuPanelOuterWrapper</u> Wrapper for the main menu (<u>menuPanels</u> [0]), used in animation of hiding menu. |
| public static | <u>menuPanels</u> Vertical panel to contain all menu items. |
| public static | <u>menuToggleButton</u> Button to toggle whether the menu is visible. |
| public static | <u>mixNowButton</u> Button that executes the current mixing run (initial distribution and mixing protocol) when pressed. |
| public static | <u>newCompareButton</u> Button inside the compare performance pop-up to start a new comparison. |
| public static | <u>noFilesFoundLabel</u> Label to indicate there are no saves found for the selected loading option |
| public static | <u>nrStepsLabel</u> Label to be displayed above the <u>nrStepsSpinner</u> , to explain its purpose. |

| | |
|---------------|--|
| public static | <u>nrStepsSpinner</u> The numberspinner to define how many times the mixing protocol is executed that is located in the main menu. |
| public static | <u>overwriteButtonsPanel</u> Horizontal panel to hold the OK or Overwrite/Cancel button(s) in the confirm save pop-up panel. |
| public static | <u>overwriteSaveButton</u> Button to overwrite the item that is currently being saved. |
| public static | <u>overwriteSavePanel</u> Pop-up panel that appears after the Save button in the save pop-up panel has been pressed. |
| public static | <u>overwriteSaveVerticalPanel</u> Vertical panel to hold the save message and the OK/Overwrite button in the confirm save pop-up panel. |
| public static | <u>protocolFlexTable</u> Flextable to hold all the protocol entries. |
| public static | <u>protocolsButton</u> Button that can be used to access the protocols related submenu. |
| public static | <u>protocolsLabel</u> Label to be displayed above the protocols related submenu. |
| public static | <u>removeInitDistButton</u> button to remove previously saved protocols |
| public static | <u>removeResultsPanel</u> Pop-up panel to handle the removal of results. |
| public static | <u>removeResultsVerticalPanel</u> Vertical panel to hold the flextable and close button. |
| public static | <u>removeSavedProtButton</u> button to remove previously saved protocols |
| public static | <u>removeSavedResultsButton</u> Button to remove previously saved mixing results. |
| public static | <u>resetDistButton</u> Button to reset the current distribution to completely white. |
| public static | <u>resetProtocolButton</u> Button that resets the current mixing protocol when pressed. |
| public static | <u>resultsButton</u> Button to enter the submenu with results related actions. |
| public static | <u>resultsFlexTable</u> Flextable to hold all the result entries. |
| public static | <u>resultsLabel</u> Label to be displayed above the results related submenu. |
| public static | <u>saveButtonsPanel</u> Horizontal panel to hold the Save and Cancel buttons in the pop-up panel. |

| | |
|---------------------|---|
| public static | <u>saveDistributionButton</u> Button to save an initial concentration distribution. |
| public static | <u>saveItemPanel</u> Pop-up panel to handle the saving of the current results. |
| public static | <u>saveItemPanelButton</u> Button to save the item under the specified name in the <u>saveNameTextBox</u> . |
| public static | <u>saveItemVerticalPanel</u> Vertical panel to hold the textbox and the save button in the save pop-up panel. |
| public static | <u>saveMessageLabel</u> Label to indicate that the chosen name is already in use. |
| public static | <u>saveNameTextBox</u> Textbox to input the name in to name the file. |
| public static | <u>saveProtocolButton</u> Button to save the current mixing protocol. |
| public static | <u>saveResultsButton</u> Button to save the current mixing result. |
| public static | <u>sizeLabel</u> Label to be displayed above the <u>sizeSpinner</u> , to explain its purpose. |
| public static | <u>sizeProtocolMenuLabel</u> Label to be displayed above the <u>sizeProtocolMenuSpinner</u> , to explain its purpose. |
| public static | <u>sizeProtocolMenuSpinner</u> The numberspinner to define the step size of a single wall movement, located in the protocol submenu. |
| public static | <u>sizeSpinner</u> The numberspinner to define the step size of a single wall movement, located in the main menu. |
| public static | <u>squareDrawingTool</u> Button to select the square-shaped drawing tool. |
| public static | <u>toggleColour</u> Button to toggle between black and white drawing colour. |
| public static | <u>toggleDefineProtocol</u> Toggle button that needs to be clicked to define a protocol. |
| public static | <u>toolMenuToggleColour</u> Button to toggle between black and white drawing colour in the tool submenu. |
| public static | <u>toolSelectButton</u> Button to change the shape of the selected drawing tool. |
| public static final | <u>UNSUPPORTED_GEOM_TIMEOUT</u> Timeout for the somewhat longer message that appears when a geometry is unsupported. Value: 5000 |
| public static | <u>viewSingleGraphButton</u> Button to view the performance of the previously executed mixing run. |

| | |
|---------------|---|
| public static | viewSingleGraphGraphPanel Simple panel to display the graph of the previously executed mixing run. |
| public static | viewSingleGraphHorizontalPanel Horizontal panel to contain the Close and Export buttons. |
| public static | viewSingleGraphPopupPanel Pop-up menu to display the performance of a single graph. |
| public static | viewSingleGraphVerticalPanel Vertical panel to contain the horizontal panel and simple panel of the single graph pop-up. |

Constructor Summary

| | |
|--------|----------------------------|
| public | GuiState() |
|--------|----------------------------|

Method Summary

| | |
|-------------|---|
| static void | setIDs() Sets the IDs for all widgets in this class (except the CellBrowser, ToggleColourButton and MenuToggleButton). |
|-------------|---|

Methods inherited from class `java.lang.Object`

`clone`, `equals`, `finalize`, `getClass`, `hashCode`, `notify`, `notifyAll`, `toString`, `wait`, `wait`, `wait`

Fields

LOADINGPANEL_ID

```
public static final java.lang.String LOADINGPANEL_ID
```

The ID for the loading panel.
Constant value: **loading-overlay**

LOADINGPANEL_MESSAGE_ID

```
public static final java.lang.String LOADINGPANEL_MESSAGE_ID
```

The ID for the message to be displayed in the loading panel.
Constant value: **loading-overlay-message**

DEFAULT_TIMEOUT

```
public static final int DEFAULT_TIMEOUT
```

Stores how long in milliseconds a SAVE_SUCCESS_MESSAGE should be shown in a NotificationPanel.
Constant value: **2000**

UNSUPPORTED_GEOM_TIMEOUT

```
public static final int UNSUPPORTED_GEOM_TIMEOUT
```

Timeout for the somewhat longer message that appears when a geometry is unsupported.

(continued from last page)

Constant value: 5000

loadingPanel

```
public static com.google.gwt.user.client.ui.FlowPanel loadingPanel
```

Panel that covers the entire application and blocks the user from accessing other features.

loadingPanelMessage

```
public static com.google.gwt.user.client.ui.Label loadingPanelMessage
```

The message to be shown below the loading animation of the loading panel. This may be empty, but can be used to inform the user about *what* is loading exactly.

menuPanels

```
public static com.google.gwt.user.client.ui.VerticalPanel menuPanels
```

Vertical panel to contain all menu items.

menuPanelOuterWrapper

```
public static com.google.gwt.user.client.ui.FlowPanel menuPanelOuterWrapper
```

Wrapper for the main menu ([menuPanels](#)[0]), used in animation of hiding menu.

menuPanelInnerWrapper

```
public static com.google.gwt.user.client.ui.FlowPanel menuPanelInnerWrapper
```

Wrapper for the [menuPanelOuterWrapper](#), used in animation of submenus.

menuToggleButton

```
public static nl.tue.fingerpaint.client.gui.buttons.MenuToggleButton menuToggleButton
```

Button to toggle whether the menu is visible.

backMenu1Button

```
public static nl.tue.fingerpaint.client.gui.buttons.BackMenuButton backMenu1Button
```

Button that is used in the first menu level to go up one level.

backMenu2Button

```
public static nl.tue.fingerpaint.client.gui.buttons.BackMenuButton backMenu2Button
```

Button that is used in the second menu level to go up one level.

drawingToolLabel

```
public static nl.tue.fingerpaint.client.gui.labels.DrawingToolLabel drawingToolLabel
```

Label to be displayed above the drawing tool related submenu.

(continued from last page)

cursorSizeSpinner

```
public static nl.tue.fingerpaint.client.gui.spinners.CursorSizeSpinner  
cursorSizeSpinner
```

Numberspinner to change the size of the drawing tool.

toggleColour

```
public static nl.tue.fingerpaint.client.gui.buttons.ToggleColourButton toggleColour
```

Button to toggle between black and white drawing colour.

toolMenuToggleColour

```
public static nl.tue.fingerpaint.client.gui.buttons.ToggleColourButton  
toolMenuToggleColour
```

Button to toggle between black and white drawing colour in the tool submenu.

toolSelectButton

```
public static nl.tue.fingerpaint.client.gui.buttons.ToolSelectButton toolSelectButton
```

Button to change the shape of the selected drawing tool.

squareDrawingTool

```
public static nl.tue.fingerpaint.client.gui.buttons.SquareDrawingToolToggleButton  
squareDrawingTool
```

Button to select the square-shaped drawing tool.

circleDrawingTool

```
public static nl.tue.fingerpaint.client.gui.buttons.CircleDrawingToolToggleButton  
circleDrawingTool
```

Button to select the circle-shaped drawing tool.

distributionsLabel

```
public static nl.tue.fingerpaint.client.gui.labels.DistributionsLabel  
distributionsLabel
```

Label to be displayed above the distributions related submenu.

loadInitDistCellList

```
public static nl.tue.fingerpaint.client.gui.celllists.LoadInitDistCellList  
loadInitDistCellList
```

CellList used to select and load one previously saved concentration distribution.

distributionsButton

```
public static nl.tue.fingerpaint.client.gui.buttons.DistributionsButton  
distributionsButton
```

(continued from last page)

Button to enter the submenu with distribution related actions.

saveDistributionButton

```
public static nl.tue.fingerpaint.client.gui.buttons.SaveDistributionButton  
saveDistributionButton
```

Button to save an initial concentration distribution.

loadInitDistButton

```
public static nl.tue.fingerpaint.client.gui.buttons.LoadInitDistButton  
loadInitDistButton
```

Button to load an initial concentration distribution.

resetDistButton

```
public static nl.tue.fingerpaint.client.gui.buttons.ResetDistButton resetDistButton
```

Button to reset the current distribution to completely white.

resultsLabel

```
public static nl.tue.fingerpaint.client.gui.labels.ResultsLabel resultsLabel
```

Label to be displayed above the results related submenu.

resultsButton

```
public static nl.tue.fingerpaint.client.gui.buttons.ResultsButton resultsButton
```

Button to enter the submenu with results related actions.

saveResultsButton

```
public static nl.tue.fingerpaint.client.gui.buttons.SaveResultsButton  
saveResultsButton
```

Button to save the current mixing result.

loadResultsButton

```
public static nl.tue.fingerpaint.client.gui.buttons.LoadResultsButton  
loadResultsButton
```

Button to load a previously saved mixing result

LoadResultsCellList

```
public static nl.tue.fingerpaint.client.gui.cellllists.LoadResultsCellList  
LoadResultsCellList
```

CellList to list the to be loaded results

removeResultsPanel

```
public static nl.tue.fingerpaint.client.gui.panels.RemoveResultsPopupPanel  
removeResultsPanel
```

(continued from last page)

Pop-up panel to handle the removal of results.

removeResultsVerticalPanel

```
public static nl.tue.fingerpaint.client.gui.panels.RemoveResultsVerticalPanel  
removeResultsVerticalPanel
```

Vertical panel to hold the flextable and close button.

resultsFlexTable

```
public static nl.tue.fingerpaint.client.gui.flextables.ResultsFlexTable  
resultsFlexTable
```

Flextable to hold all the result entries.

removeSavedResultsButton

```
public static nl.tue.fingerpaint.client.gui.buttons.RemoveSavedResultsButton  
removeSavedResultsButton
```

Button to remove previously saved mixing results.

closeResultsButton

```
public static nl.tue.fingerpaint.client.gui.buttons.CloseResultsButton  
closeResultsButton
```

Button to close the remove results pop-up panel.

removeSavedProtButton

```
public static nl.tue.fingerpaint.client.gui.buttons.RemoveSavedProtButton  
removeSavedProtButton
```

button to remove previously saved protocols

protocolFlexTable

```
public static nl.tue.fingerpaint.client.gui.flextables.ProtocolFlexTable  
protocolFlexTable
```

Flextable to hold all the protocol entries.

removeInitDistButton

```
public static nl.tue.fingerpaint.client.gui.buttons.RemoveInitDistButton  
removeInitDistButton
```

button to remove previously saved protocols

initDistFlexTable

```
public static nl.tue.fingerpaint.client.gui.flextables.InitDistFlexTable  
initDistFlexTable
```

Flextable to hold all the protocol entries.

(continued from last page)

protocolsLabel

```
public static nl.tue.fingerpaint.client.gui.labels.ProtocolsLabel protocolsLabel
```

Label to be displayed above the protocols related submenu.

protocolsButton

```
public static nl.tue.fingerpaint.client.gui.buttons.ProtocolsButton protocolsButton
```

Button that can be used to access the protocols related submenu.

loadProtocolCellList

```
public static nl.tue.fingerpaint.client.gui.celllists.LoadProtocolCellList  
loadProtocolCellList
```

CellList that can be used to load a previously saved mixing protocol.

nrStepsSpinner

```
public static nl.tue.fingerpaint.client.gui.spinners.NrStepsSpinner nrStepsSpinner
```

The numberspinner to define how many times the mixing protocol is executed that is located in the main menu.

saveProtocolButton

```
public static nl.tue.fingerpaint.client.gui.buttons.SaveProtocolButton  
saveProtocolButton
```

Button to save the current mixing protocol.

loadProtocolButton

```
public static nl.tue.fingerpaint.client.gui.buttons.LoadProtocolButton  
loadProtocolButton
```

Button to load a mixing protocol.

resetProtocolButton

```
public static nl.tue.fingerpaint.client.gui.buttons.ResetProtocolButton  
resetProtocolButton
```

Button that resets the current mixing protocol when pressed.

mixNowButton

```
public static nl.tue.fingerpaint.client.gui.buttons.MixNowButton mixNowButton
```

Button that executes the current mixing run (initial distribution and mixing protocol) when pressed.

nrStepsLabel

```
public static com.google.gwt.user.client.ui.Label nrStepsLabel
```

Label to be displayed above the [nrStepsSpinner](#), to explain its purpose.

(continued from last page)

labelProtocolRepresentation

```
public static nl.tue.fingerpaint.client.gui.labels.ProtocolRepresentationLabel  
labelProtocolRepresentation
```

Label that shows the textual representation of the current mixing protocol.

labelProtocolLabel

```
public static nl.tue.fingerpaint.client.gui.labels.ProtocolLabel labelProtocolLabel
```

Label to be displayed above the protocol-related buttons, to explain their purpose.

toggleDefineProtocol

```
public static nl.tue.fingerpaint.client.gui.buttons.ToggleDefineProtocol  
toggleDefineProtocol
```

Toggle button that needs to be clicked to define a protocol. If it isn't in its default state, steps 9wall movements) are executed directly.

backStopDefiningProtocol

```
public static nl.tue.fingerpaint.client.gui.buttons.BackStopDefiningProtocolButton  
backStopDefiningProtocol
```

Button that is used in the submenu with protocol related stuff to go back to the main menu.

saveItemPanel

```
public static nl.tue.fingerpaint.client.gui.panels.SaveItemPopupPanel saveItemPanel
```

Pop-up panel to handle the saving of the current results.

saveButtonsPanel

```
public static com.google.gwt.user.client.ui.HorizontalPanel saveButtonsPanel
```

Horizontal panel to hold the Save and Cancel buttons in the pop-up panel.

saveItemVerticalPanel

```
public static com.google.gwt.user.client.ui.VerticalPanel saveItemVerticalPanel
```

Vertical panel to hold the textbox and the save button in the save pop-up panel.

saveItemPanelButton

```
public static nl.tue.fingerpaint.client.gui.buttons.SaveItemPanelButton  
saveItemPanelButton
```

Button to save the item under the specified name in the [saveNameTextBox](#).

cancelSaveResultsButton

```
public static nl.tue.fingerpaint.client.gui.buttons.CancelSaveResultsButton  
cancelSaveResultsButton
```

Cancel button inside the save pop-up menu.

closeSaveButton

```
public static nl.tue.fingerpaint.client.gui.buttons.CloseSaveButton closeSaveButton
```

Ok / Cancel button to close the save results or overwrite pop-up panel.

saveNameTextBox

```
public static nl.tue.fingerpaint.client.gui.textboxes.SaveNameTextBox saveNameTextBox
```

Textbox to input the name in to name the file.

saveMessageLabel

```
public static nl.tue.fingerpaint.client.gui.labels.SaveMessageLabel saveMessageLabel
```

Label to indicate that the chosen name is already in use.

overwriteSavePanel

```
public static nl.tue.fingerpaint.client.gui.panels.OverwriteSavePopupPanel  
overwriteSavePanel
```

Pop-up panel that appears after the Save button in the save pop-up panel has been pressed.

overwriteButtonsPanel

```
public static com.google.gwt.user.client.ui.HorizontalPanel overwriteButtonsPanel
```

Horizontal panel to hold the OK or Overwrite/Cancel button(s) in the confirm save pop-up panel.

overwriteSaveVerticalPanel

```
public static com.google.gwt.user.client.ui.VerticalPanel overwriteSaveVerticalPanel
```

Vertical panel to hold the save message and the OK/Overwrite button in the confirm save pop-up panel.

overwriteSaveButton

```
public static nl.tue.fingerpaint.client.gui.buttons.OverwriteSaveButton  
overwriteSaveButton
```

Button to overwrite the item that is currently being saved.

loadVerticalPanel

```
public static nl.tue.fingerpaint.client.gui.panels.LoadVerticalPanel loadVerticalPanel
```

Vertical panel to hold the textbox and the cancel button in the load pop-up panel.

listScrollPanel

```
public static com.google.gwt.user.client.ui.ScrollPanel listScrollPanel
```

Scroll panel to hold the lists in the the loadVerticalPanel and removeResultsVerticalPanel

(continued from last page)

loadPanel

```
public static nl.tue.fingerpaint.client.gui.panels.LoadPopupPanel loadPanel
```

Pop-up panel to handle the loading of previously saved items.

loadLabel

```
public static com.google.gwt.user.client.ui.Label loadLabel
```

Label that can be used to indicate that some action is taking place.

closeLoadButton

```
public static nl.tue.fingerpaint.client.gui.buttons.CloseLoadButton closeLoadButton
```

Button to close the load pop-up menu.

noFilesFoundLabel

```
public static nl.tue.fingerpaint.client.gui.labels.NoFilesFoundLabel noFilesFoundLabel
```

Label to indicate there are no saves found for the selected loading option

sizeSpinner

```
public static nl.tue.fingerpaint.client.gui.spinners.StepSizeSpinner sizeSpinner
```

The numberspinner to define the step size of a single wall movement, located in the main menu.

sizeProtocolMenuSpinner

```
public static nl.tue.fingerpaint.client.gui.spinners.StepSizeSpinner  
sizeProtocolMenuSpinner
```

The numberspinner to define the step size of a single wall movement, located in the protocol submenu.

sizeLabel

```
public static com.google.gwt.user.client.ui.Label sizeLabel
```

Label to be displayed above the [sizeSpinner](#), to explain its purpose.

sizeProtocolMenuLabel

```
public static com.google.gwt.user.client.ui.Label sizeProtocolMenuLabel
```

Label to be displayed above the [sizeProtocolMenuSpinner](#), to explain its purpose.

exportDistributionButton

```
public static nl.tue.fingerpaint.client.gui.buttons.ExportDistributionButton  
exportDistributionButton
```

Button to export the image of the current distribution.

(continued from last page)

viewSingleGraphPopupPanel

```
public static nl.tue.fingerpaint.client.gui.panels.ViewSingleGraphPopupPanel  
viewSingleGraphPopupPanel
```

Pop-up menu to display the performance of a single graph. It is opened when [viewSingleGraphButton](#) is clicked. It contains a vertical panel.

viewSingleGraphHorizontalPanel

```
public static com.google.gwt.user.client.ui.HorizontalPanel  
viewSingleGraphHorizontalPanel
```

Horizontal panel to contain the Close and Export buttons.

viewSingleGraphVerticalPanel

```
public static com.google.gwt.user.client.ui.VerticalPanel viewSingleGraphVerticalPanel
```

Vertical panel to contain the horizontal panel and simple panel of the single graph pop-up.

viewSingleGraphGraphPanel

```
public static com.google.gwt.user.client.ui.SimplePanel viewSingleGraphGraphPanel
```

Simple panel to display the graph of the previously executed mixing run.

viewSingleGraphButton

```
public static nl.tue.fingerpaint.client.gui.buttons.ViewSingleGraphButton  
viewSingleGraphButton
```

Button to view the performance of the previously executed mixing run.

closeSingleGraphViewButton

```
public static nl.tue.fingerpaint.client.gui.buttons.CloseSingleGraphViewButton  
closeSingleGraphViewButton
```

Button to close the performance pop-up.

exportSingleGraphButton

```
public static nl.tue.fingerpaint.client.gui.buttons.ExportSingleGraphButton  
exportSingleGraphButton
```

Button to export the image of the current mixing performance.

exportMultipleGraphButton

```
public static nl.tue.fingerpaint.client.gui.buttons.ExportMultipleGraphsButton  
exportMultipleGraphButton
```

Button to export the image of multiple mixing performances.

compareSelectPopupCellList

```
public static nl.tue.fingerpaint.client.gui.celllists.CompareSelectPopupCellList  
compareSelectPopupCellList
```

(continued from last page)

CellList that can be used to select multiple mixing runs from all available saved mixing runs.

compareSelectPopupPanel

```
public static nl.tue.fingerpaint.client.gui.panels.CompareSelectPopupPanel
compareSelectPopupPanel
```

Pop-up panel to display all the previously stored mixing runs with performance. It also contains the Compare and Close buttons.

comparePopupPanel

```
public static nl.tue.fingerpaint.client.gui.panels.ComparePopupPanel comparePopupPanel
```

Pop-up panel that displays the simple panel with the performance graph and New Comparison and Close buttons.

compareGraphPanel

```
public static com.google.gwt.user.client.ui.SimplePanel compareGraphPanel
```

Simple panel that displays a graph with the mixing performance of the selected mixing runs.

comparePerformanceButton

```
public static nl.tue.fingerpaint.client.gui.buttons.ComparePerformanceButton
comparePerformanceButton
```

Button to compare the performance of previously saved mixing runs. When clicked, it opens the [compareSelectPopupPanel](#) pop-up.

compareButton

```
public static nl.tue.fingerpaint.client.gui.buttons.CompareButton compareButton
```

Button to compare the performance of the selected mixing runs.

cancelCompareButton

```
public static nl.tue.fingerpaint.client.gui.buttons.CancelCompareButton
cancelCompareButton
```

Cancel button inside the compare performance pop-up.

closeCompareButton

```
public static nl.tue.fingerpaint.client.gui.buttons.CloseCompareButton
closeCompareButton
```

Close button inside the compare performance pop-up.

newCompareButton

```
public static nl.tue.fingerpaint.client.gui.buttons.NewCompareButton newCompareButton
```

Button inside the compare performance pop-up to start a new comparison. When clicked, it closes the [comparePopupPanel](#) pop-up and opens the [compareSelectPopupPanel](#) pop-up

Constructors

(continued from last page)

GuiState

```
public GuiState()
```

Methods

setIDs

```
public static void setIDs()
```

Sets the IDs for all widgets in this class (except the CellBrowser, ToggleColourButton and MenuToggleButton). The ID is either used in the CSS file or for debugging purposes. A widget may **never** have an ordinary ID and a debug ID at the same time.

Package

nl.tue.fingerpaint.client.gui.animation

nl.tue.fingerpaint.client.gui.animation

Class Direction

```

java.lang.Object
  |
  +- java.lang.Enum
        |
        +- nl.tue.fingerpaint.client.gui.animation.Direction
  
```

All Implemented Interfaces:

[HasUniqueBitIdentifier](#), [java.io.Serializable](#), [java.lang.Comparable](#)

public class **Direction**
 extends [java.lang.Enum](#)
 implements [java.lang.Comparable](#), [java.io.Serializable](#), [HasUniqueBitIdentifier](#)

Used in animation classes.

Field Summary

| | |
|---------------------|---|
| public static final | BOTTOM Used to indicate that an animation should go to the bottom. |
| public static final | LEFT Used to indicate that an animation should go to the left. |
| public static final | RIGHT Used to indicate that an animation should go to the right. |
| public static final | TOP Used to indicate that an animation should go to the top. |

Method Summary

| | |
|------------------------------------|--|
| static Direction | valueOf (java.lang.String name) |
| static Direction[] | values () |

Methods inherited from class [java.lang.Enum](#)

[clone](#), [compareTo](#), [equals](#), [finalize](#), [getDeclaringClass](#), [hashCode](#), [name](#), [ordinal](#), [toString](#), [valueOf](#)

Methods inherited from class [java.lang.Object](#)

[clone](#), [equals](#), [finalize](#), [getClass](#), [hashCode](#), [notify](#), [notifyAll](#), [toString](#), [wait](#), [wait](#), [wait](#)

Methods inherited from interface [java.lang.Comparable](#)

[compareTo](#)

Methods inherited from interface [nl.tue.fingerpaint.client.gui.animation.HasUniqueBitIdentifier](#)

[getId](#)

Fields

TOP

```
public static final nl.tue.fingerpaint.client.gui.animation.Direction TOP
```

Used to indicate that an animation should go to the top.

RIGHT

```
public static final nl.tue.fingerpaint.client.gui.animation.Direction RIGHT
```

Used to indicate that an animation should go to the right.

BOTTOM

```
public static final nl.tue.fingerpaint.client.gui.animation.Direction BOTTOM
```

Used to indicate that an animation should go to the bottom.

LEFT

```
public static final nl.tue.fingerpaint.client.gui.animation.Direction LEFT
```

Used to indicate that an animation should go to the left.

Methods

values

```
public static Direction\[\] values()
```

valueOf

```
public static Direction valueOf(java.lang.String name)
```

nl.tue.fingerpaint.client.gui.animation Interface HasUniqueBitIdentifier

All Known Implementing Classes:

[Direction](#)

```
public interface HasUniqueBitIdentifier
extends
```

This interface should be implemented by enumerations that all have an identifier that is unique in such a way that the bit is unique.

Using this unique ID thus allows for logical or and and to combine members from the identifier.

Example: suppose we have an enum Units that implements this interface and has members UNITA, UNITB and UNITC. We could then do:

```
// Combine members
int combineUnitsHere = Units.UNITA | Units.UNITC;

...

// Check if a variable contains certain units
if ((combineUnitsHere & Units.UNITB) > 0) {
    // this is not the case
} else if ((combineUnitsHere & Units.UNITC) > 0) {
    // this is the case
}
```

Method Summary

| | |
|-----|--|
| int | getId() Return a unique identifier. |
|-----|--|

Methods

getId

```
public int getId()
```

Return a unique identifier.

Returns:

an ID that is unique up to the bit

See Also:

[HasUniqueBitIdentifier](#)

nl.tue.fingerpaint.client.gui.animation Class MarginAnimation

```
java.lang.Object
  |
  +-com.google.gwt.animation.client.Animation
    |
    +-nl.tue.fingerpaint.client.gui.animation.MarginAnimation
```

```
public class MarginAnimation
  extends com.google.gwt.animation.client.Animation
```

A MarginAnimation can animate the margin of an element.

Constructor Summary

| | |
|--------|--|
| public | MarginAnimation (com.google.gwt.dom.client.Element animationSubject, int animationDirections) Construct a new object that can be used to animate the given element. |
|--------|--|

Method Summary

| | |
|------|--|
| void | doAnimate (int size, int durationMillis) Perform an animation of all animated margins to the given size. |
| void | doAnimate (int size, int durationMillis, com.google.gwt.user.client.rpc.AsyncCallback onComplete) Perform an animation of all animated margins to the given size. |
| void | onComplete () |
| void | onStart () |
| void | onUpdate (double progress) |
| void | setAnimationDirections (int directions) Change which margin(s) is (are) animated. |

Methods inherited from class com.google.gwt.animation.client.Animation

cancel, interpolate, onCancel, onComplete, onStart, onUpdate, run, run, run, run

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

(continued from last page)

MarginAnimation

```
public MarginAnimation(com.google.gwt.dom.client.Element animationSubject,  
                       int animationDirections)
```

Construct a new object that can be used to animate the given element.

Parameters:

animationSubject - The element to be animated.

animationDirections - Which margins to animate. Should be a logical combination of [Directions](#), for example Direction.TOP | Direction.RIGHT.

Methods

setAnimationDirections

```
public void setAnimationDirections(int directions)
```

Change which margin(s) is (are) animated.

Parameters:

directions - The new margins to be animated. Should be a logical combination of [Directions](#), for example Direction.TOP | Direction.RIGHT.

doAnimate

```
public void doAnimate(int size,  
                      int durationMillis)
```

Perform an animation of all animated margins to the given size.

Parameters:

size - Wanted size of the margins.

durationMillis - Time the animation takes.

doAnimate

```
public void doAnimate(int size,  
                      int durationMillis,  
                      com.google.gwt.user.client.rpc.AsyncCallback onComplete)
```

Perform an animation of all animated margins to the given size.

Parameters:

size - Wanted size of the margins.

durationMillis - Time the animation takes.

onComplete - Callback to call when animation is done. Ignored when null. This callback will (guaranteed) only be called with a true argument on the AsyncCallback#onSuccess(Object) callback.

onComplete

```
protected void onComplete()
```

onStart

```
protected void onStart()
```

(continued from last page)

onUpdate

```
protected void onUpdate(double progress)
```

nl.tue.fingerpaint.client.gui.animation Class RotationAnimation

```
java.lang.Object
```

```
└-com.google.gwt.animation.client.Animation
```

```
└-nl.tue.fingerpaint.client.gui.animation.RotationAnimation
```

```
public class RotationAnimation
extends com.google.gwt.animation.client.Animation
```

A RotationAnimation can animate the rotation of an element.

Field Summary

| | |
|---------------------|--|
| public static final | ANIMATE_CLOCKWISE Constant to indicate that the rotation should go clockwise. Value: true |
| public static final | ANIMATE_COUNTERCLOCKWISE Constant to indicate that the rotation should go counter clockwise. Value: false |
| protected | axis Axis to animate |
| protected | clockwise If animation is going clockwise or not. |
| protected | newAngle Target angle of element. |
| protected | oldAngle Original angle of element. |
| protected | running If animation is in progress. |
| protected | subject Panel that is animated. |

Constructor Summary

| | |
|--------|---|
| public | RotationAnimation (com.google.gwt.dom.client.Element animationSubject, double angle) Construct a new object that can be used to animate the given element. |
|--------|---|

Method Summary

| | |
|------|---|
| void | doRotate (int durationMillis, int toAngle, boolean clockwise) Perform an animation of the element to the given angle, taking the given number of milliseconds. |
|------|---|

| | |
|--------|---|
| double | mod (double num) Return the modulo 360 of the given number, that is guaranteed to be between 0 and 360. |
| void | onComplete () |
| void | onStart () |
| void | onUpdate (double progress) |
| void | setAngle (double angle) Set the rotation of the subject by setting a number of CSS properties. |

Methods inherited from class com.google.gwt.animation.client.Animation

cancel, interpolate, onCancel, onComplete, onStart, onUpdate, run, run, run, run

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

ANIMATE_CLOCKWISE

public static final boolean **ANIMATE_CLOCKWISE**

Constant to indicate that the rotation should go clockwise.
Constant value: **true**

ANIMATE_COUNTERCLOCKWISE

public static final boolean **ANIMATE_COUNTERCLOCKWISE**

Constant to indicate that the rotation should go counter clockwise.
Constant value: **false**

subject

protected com.google.gwt.dom.client.Element **subject**

Panel that is animated.

axis

protected int **axis**

Axis to animate

running

protected boolean **running**

If animation is in progress.

clockwise

protected boolean **clockwise**

If animation is going clockwise or not.

oldAngle

protected double **oldAngle**

Original angle of element.

newAngle

protected double **newAngle**

Target angle of element.

Constructors

RotationAnimation

```
public RotationAnimation(com.google.gwt.dom.client.Element animationSubject,  
                        double angle)
```

Construct a new object that can be used to animate the given element. The current rotation will be set to the given angle.

Parameters:

animationSubject - The element to be animated.

angle - The rotation to set to the element right now.

Methods

doRotate

```
public void doRotate(int durationMillis,  
                    int toAngle,  
                    boolean clockwise)
```

Perform an animation of the element to the given angle, taking the given number of milliseconds. The rotation will go either clockwise or counter clockwise, depending on the given parameter.

Parameters:

durationMillis - Time the animation takes.

toAngle - Angle to which element should rotate.

clockwise - If the animation should go clockwise (true) or counter clockwise (false).

onComplete

```
protected void onComplete()
```

onStart

```
protected void onStart()
```

onUpdate

protected void **onUpdate**(double progress)

mod

protected double **mod**(double num)

Return the modulo 360 of the given number, that is guaranteed to be between 0 and 360.

Parameters:

num - The number of which the modulo is required.

Returns:

A number between 0 and 360, with `result = num % 360`.

setAngle

protected void **setAngle**(double angle)

Set the rotation of the [subject](#) by setting a number of CSS properties.

Parameters:

angle - The rotation in degrees to set. (Should be between 0 and 360.)

nl.tue.fingerpaint.client.gui.animation Class SizeAnimation

```
java.lang.Object
  |
  +-com.google.gwt.animation.client.Animation
    |
    +-nl.tue.fingerpaint.client.gui.animation.SizeAnimation
```

public class **SizeAnimation**
extends `com.google.gwt.animation.client.Animation`

A SizeAnimation can animate the size of an element.

Field Summary

| | |
|---------------------|--|
| public static final | ANIMATE_BOTH Constant to indicate that both sides (height and width) should be animated on hide/show. Value: 2 |
| public static final | ANIMATE_HEIGHT Constant to indicate that only the height should be animated. Value: 0 |
| public static final | ANIMATE_WIDTH Constant to indicate that only the width should be animated. Value: 1 |

Constructor Summary

| | |
|--------|---|
| public | SizeAnimation (<code>com.google.gwt.dom.client.Element</code> animationSubject, <code>int</code> animationAxis) Construct a new object that can be used to animate the given element. |
|--------|---|

Method Summary

| | |
|------|--|
| void | doHide (<code>int</code> durationMillis) Perform a sliding animation to hide the element on the selected side of the screen. |
| void | doHide (<code>int</code> durationMillis, <code>com.google.gwt.user.client.rpc.AsyncCallback</code> onComplete) Perform a sliding animation to hide the element on the selected side of the screen. |
| void | doShow (<code>int</code> durationMillis) Perform a sliding animation to show the element, that is, restore its position before a call to doHide(int) . |
| void | doShow (<code>int</code> durationMillis, <code>com.google.gwt.user.client.rpc.AsyncCallback</code> onComplete) Perform a sliding animation to show the element, that is, restore its position before a call to doHide(int) . |
| int | getInternalHeight () Return the height of the element as is saved in this animation. |

| | |
|------|---|
| int | <code>getInternalWidth()</code> Return the width of the element as is saved in this animation. |
| void | <code>onComplete()</code> |
| void | <code>onStart()</code> |
| void | <code>onUpdate(double progress)</code> |
| void | <code>refreshSize()</code> Internally update the size of the element that is animated. |
| void | <code>setAxis(int axis)</code> Change which axis are animated. |

Methods inherited from class `com.google.gwt.animation.client.Animation`

`cancel`, `interpolate`, `onCancel`, `onComplete`, `onStart`, `onUpdate`, `run`, `run`, `run`, `run`

Methods inherited from class `java.lang.Object`

`clone`, `equals`, `finalize`, `getClass`, `hashCode`, `notify`, `notifyAll`, `toString`, `wait`, `wait`, `wait`

Fields

ANIMATE_BOTH

```
public static final int ANIMATE_BOTH
```

Constant to indicate that both sides (height and width) should be animated on hide/show.
Constant value: **2**

ANIMATE_HEIGHT

```
public static final int ANIMATE_HEIGHT
```

Constant to indicate that only the height should be animated.
Constant value: **0**

ANIMATE_WIDTH

```
public static final int ANIMATE_WIDTH
```

Constant to indicate that only the width should be animated.
Constant value: **1**

Constructors

SizeAnimation

```
public SizeAnimation(com.google.gwt.dom.client.Element animationSubject,  
                    int animationAxis)
```

Construct a new object that can be used to animate the given element.

(continued from last page)

Parameters:

animationSubject - The element to be animated.

animationAxis - Which axis to animate. Use [ANIMATE_BOTH](#), [ANIMATE_HEIGHT](#) or [ANIMATE_WIDTH](#) here.

Methods

refreshSize

```
public void refreshSize()
```

Internally update the size of the element that is animated.

setAxis

```
public void setAxis(int axis)
```

Change which axis are animated. Use [ANIMATE_BOTH](#), [ANIMATE_HEIGHT](#) or [ANIMATE_WIDTH](#) here. When not one of these constants, [ANIMATE_WIDTH](#) is used.

Parameters:

axis - The new axis.

doShow

```
public void doShow(int durationMillis)
```

Perform a sliding animation to show the element, that is, restore its position before a call to [doHide\(int\)](#). If the element is not hidden by such a call, nothing happens.

Parameters:

durationMillis - Time the animation takes.

doShow

```
public void doShow(int durationMillis,
    com.google.gwt.user.client.rpc.AsyncCallback onComplete)
```

Perform a sliding animation to show the element, that is, restore its position before a call to [doHide\(int\)](#). If the element is not hidden by such a call, nothing happens.

Parameters:

durationMillis - Time the animation takes.

onComplete - Callback to call when animation is done. Ignored when null. This callback will (guaranteed) only be called with a true argument on the AsyncCallback#onSuccess(Object) callback.

doHide

```
public void doHide(int durationMillis)
```

Perform a sliding animation to hide the element on the selected side of the screen.

Parameters:

durationMillis - Time the animation takes.

doHide

```
public void doHide(int durationMillis,
    com.google.gwt.user.client.rpc.AsyncCallback onComplete)
```

(continued from last page)

Perform a sliding animation to hide the element on the selected side of the screen.

Parameters:

`durationMillis` - Time the animation takes.

`onComplete` - Callback to call when animation is done. Ignored when null. This callback will (guaranteed) only be called with a true argument on the `AsyncCallback#onSuccess(Object)` callback.

getInternalHeight

```
public int getInternalHeight()
```

Return the height of the element as is saved in this animation.

Returns:

the (original) height of the element as internally saved

getInternalWidth

```
public int getInternalWidth()
```

Return the width of the element as is saved in this animation.

Returns:

the (original) width of the element as internally saved

onComplete

```
protected void onComplete()
```

onStart

```
protected void onStart()
```

onUpdate

```
protected void onUpdate(double progress)
```

nl.tue.fingerpaint.client.gui.animation Class SlideAnimation

```
java.lang.Object
```

```
└-com.google.gwt.animation.client.Animation
```

```
└-nl.tue.fingerpaint.client.gui.animation.SlideAnimation
```

```
public class SlideAnimation
```

```
extends com.google.gwt.animation.client.Animation
```

A SlideAnimation can slide an absolute positioned element out of the screen. It uses `Window.getClientHeight()` and `Window.getClientWidth()` to automatically determine where to animate a panel to.

Field Summary

| | |
|-----------|---|
| protected | <code>direction</code> Direction to move panel in. |
| protected | <code>elPos</code> On-screen original position of the element. |
| protected | <code>hidden</code> If element is hidden or not. |
| protected | <code>running</code> If animation is in progress. |
| protected | <code>subject</code> Panel that is animated. |

Constructor Summary

| | |
|--------|---|
| public | <code>SlideAnimation</code> (<code>com.google.gwt.dom.client.Element animationSubject</code> , <code>Direction</code> <code>animationDirection</code>) Construct a new object that can be used to animate the given element. |
|--------|---|

Method Summary

| | |
|------|--|
| void | <code>doSlideIn</code> (<code>int durationMillis</code>) Perform a sliding animation to show the element, that is, restore its position before a call to <code>doSlideOut(int)</code> . |
| void | <code>doSlideOut</code> (<code>int durationMillis</code>) Perform a sliding animation to hide the element on the selected side of the screen. |
| void | <code>onComplete</code> () |
| void | <code>onStart</code> () |
| void | <code>onUpdate</code> (<code>double progress</code>) |

| | |
|------|---|
| void | setDirection (Direction direction) Change direction of animation. |
|------|---|

Methods inherited from class `com.google.gwt.animation.client.Animation`

`cancel`, `interpolate`, `onCancel`, `onComplete`, `onStart`, `onUpdate`, `run`, `run`, `run`, `run`

Methods inherited from class `java.lang.Object`

`clone`, `equals`, `finalize`, `getClass`, `hashCode`, `notify`, `notifyAll`, `toString`, `wait`, `wait`, `wait`

Fields

subject

protected `com.google.gwt.dom.client.Element` **subject**

Panel that is animated.

direction

protected `nl.tue.fingerpaint.client.gui.animation.Direction` **direction**

Direction to move panel in.

running

protected boolean **running**

If animation is in progress.

hidden

protected boolean **hidden**

If element is hidden or not.

elPos

protected `com.google.gwt.touch.client.Point` **elPos**

On-screen original position of the element.

Constructors

SlideAnimation

public **SlideAnimation**(`com.google.gwt.dom.client.Element` animationSubject, [Direction](#) animationDirection)

Construct a new object that can be used to animate the given element.

Parameters:

`animationSubject` - The element to be animated. Should be positioned absolutely.

(continued from last page)

`animationDirection` - The side of the window to which the panel should move until it is not visible anymore.

Methods

setDirection

```
public void setDirection(Direction direction)
```

Change direction of animation. Cannot be changed while an animation is running.

Parameters:

`direction` - The new direction.

doSlideIn

```
public void doSlideIn(int durationMillis)
```

Perform a sliding animation to show the element, that is, restore its position before a call to [doSlideOut\(int\)](#). If the element is not hidden by such a call, nothing happens.

Parameters:

`durationMillis` - Time the animation takes.

doSlideOut

```
public void doSlideOut(int durationMillis)
```

Perform a sliding animation to hide the element on the selected side of the screen.

Parameters:

`durationMillis` - Time the animation takes.

onComplete

```
protected void onComplete()
```

onStart

```
protected void onStart()
```

onUpdate

```
protected void onUpdate(double progress)
```

Package

nl.tue.fingerpaint.client.gui.buttons

nl.tue.fingerpaint.client.gui.buttons

Class BackMenuButton

```

java.lang.Object
├── com.google.gwt.user.client.ui.UIObject
│   ├── com.google.gwt.user.client.ui.Widget
│   │   ├── com.google.gwt.user.client.ui.Composite
│   │   │   ├── io.ashton.fastpress.client.fast.FastPressElement
│   │   │   │   ├── nl.tue.fingerpaint.client.gui.buttons.FastButton
│   │   │   │       └── nl.tue.fingerpaint.client.gui.buttons.BackMenuButton

```

All Implemented Interfaces:

io.ashton.fastpress.client.fast.PressHandler, com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener, com.google.gwt.user.client.ui.IsRenderable, io.ashton.fastpress.client.fast.HasPressHandlers

public class **BackMenuButton**

extends [FastButton](#)

implements io.ashton.fastpress.client.fast.HasPressHandlers, com.google.gwt.user.client.ui.IsRenderable, com.google.gwt.user.client.EventListener, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.user.client.ui.HasVisibility, io.ashton.fastpress.client.fast.PressHandler

Button that can be used to go up one level in the menu structure.

Field Summary

| | |
|---------------------|---|
| public static final | STYLE_NAME Class name for every button of this type. Value: backMenuButton |
|---------------------|---|

Fields inherited from class com.google.gwt.user.client.ui.UIObject

| |
|-----------------|
| DEBUG_ID_PREFIX |
|-----------------|

Constructor Summary

| | |
|--------|---|
| public | BackMenuButton () Construct a new button that can be used to go up one level in the menu structure, with a default ID. |
| public | BackMenuButton (java.lang.String id) Construct a new button that can be used to go up one level in the menu structure. |

Method Summary

| | |
|------|--|
| void | onPress (io.ashton.fastpress.client.fast.PressEvent event) Go up one level in the menu. |
|------|--|

Methods inherited from class [nl.tue.fingerpaint.client.gui.buttons.FastButton](#)

[getButton](#), [getElement](#), [onDisablePressStyle](#), [onEnablePressStyle](#), [onHoldPressDownStyle](#), [onHoldPressOffStyle](#), [setEnabled](#)

Methods inherited from class [io.ashton.fastpress.client.fast.FastPressElement](#)

[addPressHandler](#), [getWidget](#), [onBrowserEvent](#), [onDisablePressStyle](#), [onEnablePressStyle](#), [onHoldPressDownStyle](#), [onHoldPressOffStyle](#), [setEnabled](#)

Methods inherited from class [com.google.gwt.user.client.ui.Composite](#)

[claimElement](#), [getWidget](#), [initializeClaimedElement](#), [initWidget](#), [isAttached](#), [onAttach](#), [onBrowserEvent](#), [onDetach](#), [render](#), [render](#), [resolvePotentialElement](#), [setWidget](#)

Methods inherited from class [com.google.gwt.user.client.ui.Widget](#)

[addAttachHandler](#), [addBitlessDomHandler](#), [addDomHandler](#), [addHandler](#), [asWidget](#), [asWidgetOrNull](#), [createHandlerManager](#), [delegateEvent](#), [doAttachChildren](#), [doDetachChildren](#), [fireEvent](#), [getHandlerCount](#), [getLayoutData](#), [getParent](#), [isAttached](#), [isOrWasAttached](#), [onAttach](#), [onBrowserEvent](#), [onDetach](#), [onLoad](#), [onUnload](#), [removeFromParent](#), [setLayoutData](#), [sinkEvents](#)

Methods inherited from class [com.google.gwt.user.client.ui.UIObject](#)

[addStyleDependentName](#), [addStyleName](#), [ensureDebugId](#), [ensureDebugId](#), [ensureDebugId](#), [getAbsoluteLeft](#), [getAbsoluteTop](#), [getElement](#), [getOffsetHeight](#), [getOffsetWidth](#), [getStyleElement](#), [getStyleName](#), [getStyleName](#), [getStylePrimaryName](#), [getStylePrimaryName](#), [getTitle](#), [isVisible](#), [isVisible](#), [onEnsureDebugId](#), [removeStyleDependentName](#), [removeStyleName](#), [resolvePotentialElement](#), [setElement](#), [setElement](#), [setHeight](#), [setPixelSize](#), [setSize](#), [setStyleDependentName](#), [setStyleName](#), [setStyleName](#), [setStyleName](#), [setStyleName](#), [setStylePrimaryName](#), [setStylePrimaryName](#), [setTitle](#), [setVisible](#), [setVisible](#), [setWidth](#), [sinkBitlessEvent](#), [sinkEvents](#), [toString](#), [unsinkEvents](#)

Methods inherited from class [java.lang.Object](#)

[clone](#), [equals](#), [finalize](#), [getClass](#), [hashCode](#), [notify](#), [notifyAll](#), [toString](#), [wait](#), [wait](#), [wait](#)

Methods inherited from interface [com.google.gwt.user.client.ui.HasVisibility](#)

[isVisible](#), [setVisible](#)

Methods inherited from interface [com.google.gwt.user.client.EventListener](#)

[onBrowserEvent](#)

Methods inherited from interface [com.google.gwt.event.logical.shared.HasAttachHandlers](#)

[addAttachHandler](#), [isAttached](#)

Methods inherited from interface [com.google.gwt.event.shared.HasHandlers](#)

[fireEvent](#)

Methods inherited from interface [com.google.gwt.user.client.ui.IsWidget](#)

asWidget

Methods inherited from interface com.google.gwt.user.client.ui.IsRenderable

claimElement, initializeClaimedElement, render, render

Methods inherited from interface io.ashton.fastpress.client.fast.HasPressHandlers

addPressHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface io.ashton.fastpress.client.fast.PressHandler

onPress

Fields

STYLE_NAME

public static final java.lang.String **STYLE_NAME**

Class name for every button of this type.

Constant value: **backMenuButton**

Constructors

BackMenuButton

public **BackMenuButton**()

Construct a new button that can be used to go up one level in the menu structure, with a default ID.

BackMenuButton

public **BackMenuButton**(java.lang.String id)

Construct a new button that can be used to go up one level in the menu structure.

Parameters:

id - The ID for the button. When null, "backMenuButton" is used as the ID for the element.

Methods

onPress

public void **onPress**(io.ashton.fastpress.client.fast.PressEvent event)

Go up one level in the menu.

Parameters:

event - The event that has fired.

nl.tue.fingerpaint.client.gui.buttons

Class BackStopDefiningProtocolButton



All Implemented Interfaces:
io.ashton.fastpress.client.fast.PressHandler, com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener, com.google.gwt.user.client.ui.IsRenderable, io.ashton.fastpress.client.fast.HasPressHandlers

public class **BackStopDefiningProtocolButton**
extends [FastButton](#)
implements io.ashton.fastpress.client.fast.HasPressHandlers, com.google.gwt.user.client.ui.IsRenderable, com.google.gwt.user.client.EventListener, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.user.client.ui.HasVisibility, io.ashton.fastpress.client.fast.PressHandler

Button that can be used to go up one level in the menu structure and stop defining a protocol.

Field Summary

| | |
|-----------|---|
| protected | as Reference to the model. |
|-----------|---|

Fields inherited from class com.google.gwt.user.client.ui.UIObject

| | |
|-----------------|--|
| DEBUG_ID_PREFIX | |
|-----------------|--|

Constructor Summary

| | |
|--------|---|
| public | BackStopDefiningProtocolButton (ApplicationState appState) Construct a new button that can be used to go up one level in the menu structure and stop defining a protocol. |
|--------|---|

Method Summary

| | |
|------|---|
| void | onPress (io.ashton.fastpress.client.fast.PressEvent event) Go up one level in the menu and stop defining a protocol. |
|------|---|

Methods inherited from class [nl.tue.fingerpaint.client.gui.buttons.FastButton](#)

| | |
|---|--|
| getButton , getElement , onDisablePressStyle , onEnablePressStyle , onHoldPressDownStyle , onHoldPressOffStyle , setEnabled | |
|---|--|

Methods inherited from class io.ashton.fastpress.client.fast.FastPressEvent

addPressHandler, getWidget, onBrowserEvent, onDisablePressStyle, onEnablePressStyle, onHoldPressDownStyle, onHoldPressOffStyle, setEnabled

Methods inherited from class com.google.gwt.user.client.ui.Composite

claimElement, getWidget, initializeClaimedElement, initWidget, isAttached, onAttach, onBrowserEvent, onDetach, render, render, resolvePotentialElement, setWidget

Methods inherited from class com.google.gwt.user.client.ui.Widget

addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget, asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren, doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached, isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload, removeFromParent, setLayoutData, sinkEvents

Methods inherited from class com.google.gwt.user.client.ui.UIObject

addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId, getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth, getStyleElement, getStyleName, getStyleName, getStylePrimaryName, getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId, removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement, setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName, setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString, unsinkEvents

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface com.google.gwt.user.client.ui.HasVisibility

isVisible, setVisible

Methods inherited from interface com.google.gwt.user.client.EventListener

onBrowserEvent

Methods inherited from interface com.google.gwt.event.logical.shared.HasAttachHandlers

addAttachHandler, isAttached

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.IsWidget

asWidget

Methods inherited from interface com.google.gwt.user.client.ui.IsRenderable

```
claimElement, initializeClaimedElement, render, render
```

Methods inherited from interface `io.ashton.fastpress.client.fast.HasPressHandlers`

```
addPressHandler
```

Methods inherited from interface `com.google.gwt.event.shared.HasHandlers`

```
fireEvent
```

Methods inherited from interface `io.ashton.fastpress.client.fast.PressHandler`

```
onPress
```

Fields

as

```
protected nl.tue.fingerpaint.client.model.ApplicationState as
```

Reference to the model. Used to change if the user is defining a protocol.

Constructors

BackStopDefiningProtocolButton

```
public BackStopDefiningProtocolButton(ApplicationState appState)
```

Construct a new button that can be used to go up one level in the menu structure and stop defining a protocol.

Parameters:

appState - Reference to the model. Used to change if the user is defining a protocol.

Methods

onPress

```
public void onPress(io.ashton.fastpress.client.fast.PressEvent event)
```

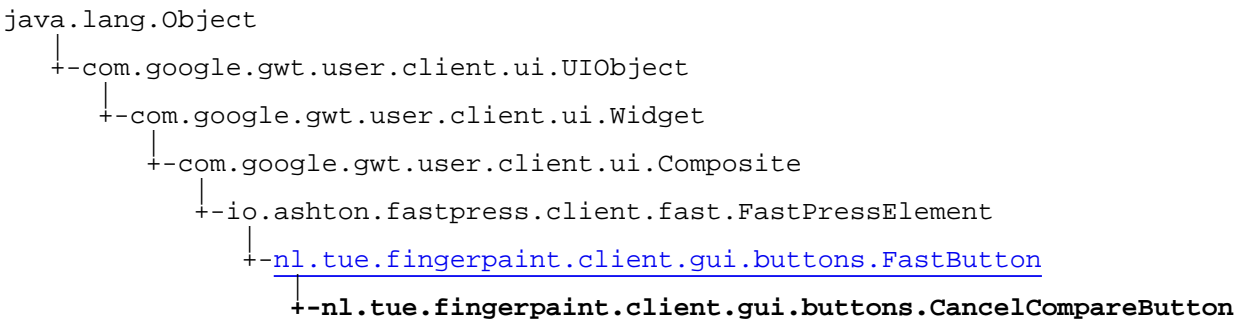
Go up one level in the menu and stop defining a protocol.

Parameters:

event - The event that has fired.

nl.tue.fingerpaint.client.gui.buttons

Class CancelCompareButton



All Implemented Interfaces:
io.ashton.fastpress.client.fast.PressHandler, com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener, com.google.gwt.user.client.ui.IsRenderable, io.ashton.fastpress.client.fast.HasPressHandlers

public class **CancelCompareButton**
extends [FastButton](#)
implements io.ashton.fastpress.client.fast.HasPressHandlers, com.google.gwt.user.client.ui.IsRenderable, com.google.gwt.user.client.EventListener, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.user.client.ui.HasVisibility, io.ashton.fastpress.client.fast.PressHandler

Button that can be used to cancel the comparing.

Field Summary

| | |
|-----------------|--|
| protected final | selectionModel SelectionModel of the com.google.gwt.user.cellview.client.CellList that is used to make a selection of results to compare. |
|-----------------|--|

Fields inherited from class com.google.gwt.user.client.ui.UIObject

| |
|-----------------|
| DEBUG_ID_PREFIX |
|-----------------|

Constructor Summary

| | |
|--------|---|
| public | CancelCompareButton (com.google.gwt.view.client.MultiSelectionModel selectionModel) Construct a new button that can be used to cancel comparing two results. |
|--------|---|

Method Summary

| | |
|------|---|
| void | onPress (io.ashton.fastpress.client.fast.PressEvent event) Unselects all selected items and hides the popup. |
|------|---|

Methods inherited from class [nl.tue.fingerpaint.client.gui.buttons.FastButton](#)

| |
|---|
| getButton , getElement , onDisablePressStyle , onEnablePressStyle , onHoldPressDownStyle , onHoldPressOffStyle , setEnabled |
|---|

Methods inherited from class io.ashton.fastpress.client.fast.FastPressEvent

addPressHandler, getWidget, onBrowserEvent, onDisablePressStyle, onEnablePressStyle, onHoldPressDownStyle, onHoldPressOffStyle, setEnabled

Methods inherited from class com.google.gwt.user.client.ui.Composite

claimElement, getWidget, initializeClaimedElement, initWidget, isAttached, onAttach, onBrowserEvent, onDetach, render, render, resolvePotentialElement, setWidget

Methods inherited from class com.google.gwt.user.client.ui.Widget

addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget, asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren, doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached, isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload, removeFromParent, setLayoutData, sinkEvents

Methods inherited from class com.google.gwt.user.client.ui.UIObject

addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId, getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth, getStyleElement, getStyleName, getStyleName, getStylePrimaryName, getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId, removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement, setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName, setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName, setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString, unsinkEvents

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface com.google.gwt.user.client.ui.HasVisibility

isVisible, setVisible

Methods inherited from interface com.google.gwt.user.client.EventListener

onBrowserEvent

Methods inherited from interface com.google.gwt.event.logical.shared.HasAttachHandlers

addAttachHandler, isAttached

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.IsWidget

asWidget

Methods inherited from interface com.google.gwt.user.client.ui.IsRenderable

```
claimElement, initializeClaimedElement, render, render
```

Methods inherited from interface `io.ashton.fastpress.client.fast.HasPressHandlers`

```
addPressHandler
```

Methods inherited from interface `com.google.gwt.event.shared.HasHandlers`

```
fireEvent
```

Methods inherited from interface `io.ashton.fastpress.client.fast.PressHandler`

```
onPress
```

Fields

selectionModel

```
protected final com.google.gwt.view.client.MultiSelectionModel selectionModel
```

SelectionModel of the `com.google.gwt.user.cellview.client.CellList` that is used to make a selection of results to compare. Used to deselect items when this button is clicked.

Constructors

CancelCompareButton

```
public CancelCompareButton(com.google.gwt.view.client.MultiSelectionModel  
selectionModel)
```

Construct a new button that can be used to cancel comparing two results.

Parameters:

`selectionModel` - SelectionModel of the `com.google.gwt.user.cellview.client.CellList` that is used to make a selection of results to compare. Used to deselect items when this button is clicked.

Methods

onPress

```
public void onPress(io.ashton.fastpress.client.fast.PressEvent event)
```

Unselects all selected items and hides the popup.

Parameters:

`event` - The event that has fired.

nl.tue.fingerpaint.client.gui.buttons

Class CancelSaveResultsButton

```

java.lang.Object
├── com.google.gwt.user.client.ui.UIObject
│   ├── com.google.gwt.user.client.ui.Widget
│   │   ├── com.google.gwt.user.client.ui.Composite
│   │   │   ├── io.ashton.fastpress.client.fast.FastPressElement
│   │   │   │   ├── nl.tue.fingerpaint.client.gui.buttons.FastButton
│   │   │   │       └── nl.tue.fingerpaint.client.gui.buttons.CancelSaveResultsButton

```

All Implemented Interfaces:

io.ashton.fastpress.client.fast.PressHandler, com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener, com.google.gwt.user.client.ui.IsRenderable, io.ashton.fastpress.client.fast.HasPressHandlers

public class **CancelSaveResultsButton**

extends [FastButton](#)

implements io.ashton.fastpress.client.fast.HasPressHandlers, com.google.gwt.user.client.ui.IsRenderable, com.google.gwt.user.client.EventListener, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.user.client.ui.HasVisibility, io.ashton.fastpress.client.fast.PressHandler

Button that resides on an save item panel to cancel the current save.

Fields inherited from class com.google.gwt.user.client.ui.UIObject

DEBUG_ID_PREFIX

Constructor Summary

| | |
|--------|--|
| public | CancelSaveResultsButton () Creates a new button to cancel the current saving process. |
|--------|--|

Method Summary

| | |
|------|---|
| void | onPress (io.ashton.fastpress.client.fast.PressEvent event) Clears the name, hides the panel and disables the Save button |
|------|---|

Methods inherited from class [nl.tue.fingerpaint.client.gui.buttons.FastButton](#)

[getButton](#), [getElement](#), [onDisablePressStyle](#), [onEnablePressStyle](#), [onHoldPressDownStyle](#), [onHoldPressOffStyle](#), [setEnabled](#)

Methods inherited from class io.ashton.fastpress.client.fast.FastPressElement

[addPressHandler](#), [getWidget](#), [onBrowserEvent](#), [onDisablePressStyle](#), [onEnablePressStyle](#), [onHoldPressDownStyle](#), [onHoldPressOffStyle](#), [setEnabled](#)

Methods inherited from class com.google.gwt.user.client.ui.Composite

claimElement, getWidget, initializeClaimedElement, initWidget, isAttached, onAttach, onBrowserEvent, onDetach, render, render, resolvePotentialElement, setWidget

Methods inherited from class com.google.gwt.user.client.ui.Widget

addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget, asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren, doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached, isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload, removeFromParent, setLayoutData, sinkEvents

Methods inherited from class com.google.gwt.user.client.ui.UIObject

addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId, getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth, getStyleElement, getStyleName, getStyleName, getStylePrimaryName, getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId, removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement, setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName, setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString, unsinkEvents

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface com.google.gwt.user.client.ui.HasVisibility

isVisible, setVisible

Methods inherited from interface com.google.gwt.user.client.EventListener

onBrowserEvent

Methods inherited from interface com.google.gwt.event.logical.shared.HasAttachHandlers

addAttachHandler, isAttached

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.IsWidget

asWidget

Methods inherited from interface com.google.gwt.user.client.ui.IsRenderable

claimElement, initializeClaimedElement, render, render

Methods inherited from interface io.ashton.fastpress.client.fast.HasPressHandlers

addPressHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

```
fireEvent
```

Methods inherited from interface `io.ashton.fastpress.client.fast.PressHandler`

```
onPress
```

Constructors

CancelSaveResultsButton

```
public CancelSaveResultsButton()
```

Creates a new button to cancel the current saving process.

Methods

onPress

```
public void onPress(io.ashton.fastpress.client.fast.PressEvent event)
```

Clears the name, hides the panel and disables the Save button

nl.tue.fingerpaint.client.gui.buttons

Class CircleDrawingToolToggleButton

```

java.lang.Object
├── com.google.gwt.user.client.ui.UIObject
│   ├── com.google.gwt.user.client.ui.Widget
│   │   ├── com.google.gwt.user.client.ui.Composite
│   │   │   ├── io.ashton.fastpress.client.fast.FastPressElement
│   │   │   │   ├── nl.tue.fingerpaint.client.gui.buttons.FastToggleButton
│   │   │   │   │   └── nl.tue.fingerpaint.client.gui.buttons.CircleDrawingToolToggleButton

```

All Implemented Interfaces:

io.ashton.fastpress.client.fast.PressHandler, com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener, com.google.gwt.user.client.ui.IsRenderable, io.ashton.fastpress.client.fast.HasPressHandlers

public class **CircleDrawingToolToggleButton**

extends [FastToggleButton](#)

implements io.ashton.fastpress.client.fast.HasPressHandlers, com.google.gwt.user.client.ui.IsRenderable, com.google.gwt.user.client.EventListener, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.user.client.ui.HasVisibility, io.ashton.fastpress.client.fast.PressHandler

com.google.gwt.user.client.ui.ToggleButton that is used to select the circular drawing tool.

Fields inherited from class com.google.gwt.user.client.ui.UIObject

DEBUG_ID_PREFIX

Constructor Summary

| | |
|--------|---|
| public | CircleDrawingToolToggleButton (Fingerpaint parent, ApplicationState appState) Construct the CircleDrawingTool . |
|--------|---|

Method Summary

| | |
|------|--|
| void | onPress (io.ashton.fastpress.client.fast.PressEvent event) Changes to the circular drawing tool with the correct cursor size. |
|------|--|

| | |
|------|--|
| void | setColour (Colour toolColour) Change the colour of the tool in the button. |
|------|--|

Methods inherited from class [nl.tue.fingerpaint.client.gui.buttons.FastToggleButton](#)

[getElement](#), [getToggleButton](#), [onDisablePressStyle](#), [onEnablePressStyle](#), [onHoldPressDownStyle](#), [onHoldPressOffStyle](#), [setEnabled](#)

Methods inherited from class io.ashton.fastpress.client.fast.FastPressElement

addPressHandler, getWidget, onBrowserEvent, onDisablePressStyle, onEnablePressStyle, onHoldPressDownStyle, onHoldPressOffStyle, setEnabled

Methods inherited from class com.google.gwt.user.client.ui.Composite

claimElement, getWidget, initializeClaimedElement, initWidget, isAttached, onAttach, onBrowserEvent, onDetach, render, render, resolvePotentialElement, setWidget

Methods inherited from class com.google.gwt.user.client.ui.Widget

addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget, asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren, doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached, isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload, removeFromParent, setLayoutData, sinkEvents

Methods inherited from class com.google.gwt.user.client.ui.UIObject

addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId, getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth, getStyleElement, getStyleName, getStyleName, getStylePrimaryName, getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId, removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement, setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName, setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString, unsinkEvents

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface com.google.gwt.user.client.ui.HasVisibility

isVisible, setVisible

Methods inherited from interface com.google.gwt.user.client.EventListener

onBrowserEvent

Methods inherited from interface com.google.gwt.event.logical.shared.HasAttachHandlers

addAttachHandler, isAttached

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.IsWidget

asWidget

Methods inherited from interface com.google.gwt.user.client.ui.IsRenderable

claimElement, initializeClaimedElement, render, render

Methods inherited from interface `io.ashton.fastpress.client.fast.HasPressHandlers``addPressHandler`**Methods inherited from interface** `com.google.gwt.event.shared.HasHandlers``fireEvent`**Methods inherited from interface** `io.ashton.fastpress.client.fast.PressHandler``onPress`

Constructors

CircleDrawingToolToggleButton

```
public CircleDrawingToolToggleButton(Fingerpaint parent,
                                     ApplicationState appState)
```

Construct the [CircleDrawingTool](#).

Parameters:

`parent` - A reference to the `Fingerpaint` class.

`appState` - Reference to the model that holds the state of the application.

Methods

onPress

```
public void onPress(io.ashton.fastpress.client.fast.PressEvent event)
```

Changes to the circular drawing tool with the correct cursor size.

Parameters:

`event` - The event that has fired.

setColour

```
public void setColour(Colour toolColour)
```

Change the colour of the tool in the button.

Parameters:

`toolColour` - The (new) colour for the tool in the button. When null, the colour will be reset and thus, the default colour will be used.

nl.tue.fingerpaint.client.gui.buttons

Class CloseCompareButton

```

java.lang.Object
├── com.google.gwt.user.client.ui.UIObject
│   ├── com.google.gwt.user.client.ui.Widget
│   │   ├── com.google.gwt.user.client.ui.Composite
│   │   │   ├── io.ashton.fastpress.client.fast.FastPressElement
│   │   │   │   ├── nl.tue.fingerpaint.client.gui.buttons.FastButton
│   │   │   │       └── nl.tue.fingerpaint.client.gui.buttons.CloseCompareButton

```

All Implemented Interfaces:

io.ashton.fastpress.client.fast.PressHandler, com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener, com.google.gwt.user.client.ui.IsRenderable, io.ashton.fastpress.client.fast.HasPressHandlers

public class **CloseCompareButton**

extends [FastButton](#)

implements io.ashton.fastpress.client.fast.HasPressHandlers, com.google.gwt.user.client.ui.IsRenderable, com.google.gwt.user.client.EventListener, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.user.client.ui.HasVisibility, io.ashton.fastpress.client.fast.PressHandler

Button that can be used to cancel the comparing.

Field Summary

| | |
|-----------------|--|
| protected final | selectionModel SelectionModel of the com.google.gwt.user.cellview.client.CellList that is used to make a selection of results to compare. |
|-----------------|--|

Fields inherited from class com.google.gwt.user.client.ui.UIObject

DEBUG_ID_PREFIX

Constructor Summary

| | |
|--------|--|
| public | CloseCompareButton (com.google.gwt.view.client.MultiSelectionModel selectionModel) Construct a new button that can be used to cancel comparing two results. |
|--------|--|

Method Summary

| | |
|------|---|
| void | onPress (io.ashton.fastpress.client.fast.PressEvent event) Unselects all selected items and hides the panel. |
|------|---|

Methods inherited from class [nl.tue.fingerpaint.client.gui.buttons.FastButton](#)

[getButton](#), [getElement](#), [onDisablePressStyle](#), [onEnablePressStyle](#), [onHoldPressDownStyle](#), [onHoldPressOffStyle](#), [setEnabled](#)

Methods inherited from class io.ashton.fastpress.client.fast.FastPressEvent

addPressHandler, getWidget, onBrowserEvent, onDisablePressStyle, onEnablePressStyle, onHoldPressDownStyle, onHoldPressOffStyle, setEnabled

Methods inherited from class com.google.gwt.user.client.ui.Composite

claimElement, getWidget, initializeClaimedElement, initWidget, isAttached, onAttach, onBrowserEvent, onDetach, render, render, resolvePotentialElement, setWidget

Methods inherited from class com.google.gwt.user.client.ui.Widget

addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget, asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren, doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached, isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload, removeFromParent, setLayoutData, sinkEvents

Methods inherited from class com.google.gwt.user.client.ui.UIObject

addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId, getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth, getStyleElement, getStyleName, getStyleName, getStylePrimaryName, getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId, removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement, setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName, setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName, setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString, unsinkEvents

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface com.google.gwt.user.client.ui.HasVisibility

isVisible, setVisible

Methods inherited from interface com.google.gwt.user.client.EventListener

onBrowserEvent

Methods inherited from interface com.google.gwt.event.logical.shared.HasAttachHandlers

addAttachHandler, isAttached

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.IsWidget

asWidget

Methods inherited from interface com.google.gwt.user.client.ui.IsRenderable

```
claimElement, initializeClaimedElement, render, render
```

Methods inherited from interface `io.ashton.fastpress.client.fast.HasPressHandlers`

```
addPressHandler
```

Methods inherited from interface `com.google.gwt.event.shared.HasHandlers`

```
fireEvent
```

Methods inherited from interface `io.ashton.fastpress.client.fast.PressHandler`

```
onPress
```

Fields

selectionModel

```
protected final com.google.gwt.view.client.MultiSelectionModel selectionModel
```

SelectionModel of the `com.google.gwt.user.cellview.client.CellList` that is used to make a selection of results to compare. Used to deselect items when this button is clicked.

Constructors

CloseCompareButton

```
public CloseCompareButton(com.google.gwt.view.client.MultiSelectionModel  
selectionModel)
```

Construct a new button that can be used to cancel comparing two results.

Parameters:

`selectionModel` - SelectionModel of the `com.google.gwt.user.cellview.client.CellList` that is used to make a selection of results to compare. Used to deselect items when this button is clicked.

Methods

onPress

```
public void onPress(io.ashton.fastpress.client.fast.PressEvent event)
```

Unselects all selected items and hides the panel.

Parameters:

`event` - The event that has fired.

nl.tue.fingerpaint.client.gui.buttons

Class CloseLoadButton

```

java.lang.Object
├── com.google.gwt.user.client.ui.UIObject
│   ├── com.google.gwt.user.client.ui.Widget
│   │   ├── com.google.gwt.user.client.ui.Composite
│   │   │   ├── io.ashton.fastpress.client.fast.FastPressElement
│   │   │   │   ├── nl.tue.fingerpaint.client.gui.buttons.FastButton
│   │   │   │   │   └── nl.tue.fingerpaint.client.gui.buttons.CloseLoadButton

```

All Implemented Interfaces:

io.ashton.fastpress.client.fast.PressHandler, com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener, com.google.gwt.user.client.ui.IsRenderable, io.ashton.fastpress.client.fast.HasPressHandlers

public class **CloseLoadButton**

extends [FastButton](#)

implements io.ashton.fastpress.client.fast.HasPressHandlers, com.google.gwt.user.client.ui.IsRenderable, com.google.gwt.user.client.EventListener, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.user.client.ui.HasVisibility, io.ashton.fastpress.client.fast.PressHandler

Button that can be used to close a panel in which "things" from the local storage can be selected. These "things" may be protocols, distributions, ...

Fields inherited from class com.google.gwt.user.client.ui.UIObject

DEBUG_ID_PREFIX

Constructor Summary

| | |
|--------|--|
| public | CloseLoadButton() Construct a new button that can be used to close a popup panel. |
|--------|--|

Method Summary

| | |
|------|---|
| void | onPress (io.ashton.fastpress.client.fast.PressEvent event) Removes the loading panel from the screen |
|------|---|

Methods inherited from class [nl.tue.fingerpaint.client.gui.buttons.FastButton](#)

[getButton](#), [getElement](#), [onDisablePressStyle](#), [onEnablePressStyle](#), [onHoldPressDownStyle](#), [onHoldPressOffStyle](#), [setEnabled](#)

Methods inherited from class io.ashton.fastpress.client.fast.FastPressElement

[addPressHandler](#), [getWidget](#), [onBrowserEvent](#), [onDisablePressStyle](#), [onEnablePressStyle](#), [onHoldPressDownStyle](#), [onHoldPressOffStyle](#), [setEnabled](#)

Methods inherited from class com.google.gwt.user.client.ui.Composite

claimElement, getWidget, initializeClaimedElement, initWidget, isAttached, onAttach, onBrowserEvent, onDetach, render, render, resolvePotentialElement, setWidget

Methods inherited from class com.google.gwt.user.client.ui.Widget

addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget, asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren, doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached, isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload, removeFromParent, setLayoutData, sinkEvents

Methods inherited from class com.google.gwt.user.client.ui.UIObject

addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId, getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth, getStyleElement, getStyleName, getStyleName, getStylePrimaryName, getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId, removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement, setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName, setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString, unsinkEvents

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface com.google.gwt.user.client.ui.HasVisibility

isVisible, setVisible

Methods inherited from interface com.google.gwt.user.client.EventListener

onBrowserEvent

Methods inherited from interface com.google.gwt.event.logical.shared.HasAttachHandlers

addAttachHandler, isAttached

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.IsWidget

asWidget

Methods inherited from interface com.google.gwt.user.client.ui.IsRenderable

claimElement, initializeClaimedElement, render, render

Methods inherited from interface io.ashton.fastpress.client.fast.HasPressHandlers

addPressHandler

| |
|--|
| Methods inherited from interface <code>com.google.gwt.event.shared.HasHandlers</code> |
|--|

| |
|------------------------|
| <code>fireEvent</code> |
|------------------------|

| |
|---|
| Methods inherited from interface <code>io.ashton.fastpress.client.fast.PressHandler</code> |
|---|

| |
|----------------------|
| <code>onPress</code> |
|----------------------|

Constructors

CloseLoadButton

```
public CloseLoadButton( )
```

Construct a new button that can be used to close a popup panel.

Methods

onPress

```
public void onPress(io.ashton.fastpress.client.fast.PressEvent event)
```

Removes the loading panel from the screen

Parameters:

event - The event that has fired.

nl.tue.fingerpaint.client.gui.buttons

Class CloseResultsButton

```

java.lang.Object
├── com.google.gwt.user.client.ui.UIObject
│   ├── com.google.gwt.user.client.ui.Widget
│   │   ├── com.google.gwt.user.client.ui.Composite
│   │   │   ├── io.ashton.fastpress.client.fast.FastPressElement
│   │   │   │   ├── nl.tue.fingerpaint.client.gui.buttons.FastButton
│   │   │   │       └── nl.tue.fingerpaint.client.gui.buttons.CloseResultsButton

```

All Implemented Interfaces:

io.ashton.fastpress.client.fast.PressHandler, com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener, com.google.gwt.user.client.ui.IsRenderable, io.ashton.fastpress.client.fast.HasPressHandlers

public class **CloseResultsButton**

extends [FastButton](#)

implements io.ashton.fastpress.client.fast.HasPressHandlers, com.google.gwt.user.client.ui.IsRenderable, com.google.gwt.user.client.EventListener, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.user.client.ui.HasVisibility, io.ashton.fastpress.client.fast.PressHandler

Button that can be used to close the remove results pop-up panel.

Fields inherited from class com.google.gwt.user.client.ui.UIObject

DEBUG_ID_PREFIX

Constructor Summary

| | |
|--------|---|
| public | CloseResultsButton() Construct a new button that can be used to close the remove results pop-up panel. |
|--------|---|

Method Summary

| | |
|------|---|
| void | onPress (io.ashton.fastpress.client.fast.PressEvent event) Removes the loading panel from the screen |
|------|---|

Methods inherited from class [nl.tue.fingerpaint.client.gui.buttons.FastButton](#)

[getButton](#), [getElement](#), [onDisablePressStyle](#), [onEnablePressStyle](#), [onHoldPressDownStyle](#), [onHoldPressOffStyle](#), [setEnabled](#)

Methods inherited from class io.ashton.fastpress.client.fast.FastPressElement

[addPressHandler](#), [getWidget](#), [onBrowserEvent](#), [onDisablePressStyle](#), [onEnablePressStyle](#), [onHoldPressDownStyle](#), [onHoldPressOffStyle](#), [setEnabled](#)

Methods inherited from class com.google.gwt.user.client.ui.Composite

claimElement, getWidget, initializeClaimedElement, initWidget, isAttached, onAttach, onBrowserEvent, onDetach, render, render, resolvePotentialElement, setWidget

Methods inherited from class com.google.gwt.user.client.ui.Widget

addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget, asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren, doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached, isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload, removeFromParent, setLayoutData, sinkEvents

Methods inherited from class com.google.gwt.user.client.ui.UIObject

addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId, getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth, getStyleElement, getStyleName, getStyleName, getStylePrimaryName, getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId, removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement, setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName, setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString, unsinkEvents

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface com.google.gwt.user.client.ui.HasVisibility

isVisible, setVisible

Methods inherited from interface com.google.gwt.user.client.EventListener

onBrowserEvent

Methods inherited from interface com.google.gwt.event.logical.shared.HasAttachHandlers

addAttachHandler, isAttached

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.IsWidget

asWidget

Methods inherited from interface com.google.gwt.user.client.ui.IsRenderable

claimElement, initializeClaimedElement, render, render

Methods inherited from interface io.ashton.fastpress.client.fast.HasPressHandlers

addPressHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

```
fireEvent
```

Methods inherited from interface `io.ashton.fastpress.client.fast.PressHandler`

```
onPress
```

Constructors

CloseResultsButton

```
public CloseResultsButton()
```

Construct a new button that can be used to close the remove results pop-up panel.

Methods

onPress

```
public void onPress(io.ashton.fastpress.client.fast.PressEvent event)
```

Removes the loading panel from the screen

Parameters:

`event` - The event that has fired.

nl.tue.fingerpaint.client.gui.buttons

Class CloseSaveButton

```

java.lang.Object
├── com.google.gwt.user.client.ui.UIObject
│   ├── com.google.gwt.user.client.ui.Widget
│   │   ├── com.google.gwt.user.client.ui.Composite
│   │   │   ├── io.ashton.fastpress.client.fast.FastPressElement
│   │   │   │   ├── nl.tue.fingerpaint.client.gui.buttons.FastButton
│   │   │   │   │   └── nl.tue.fingerpaint.client.gui.buttons.CloseSaveButton

```

All Implemented Interfaces:

io.ashton.fastpress.client.fast.PressHandler, com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener, com.google.gwt.user.client.ui.IsRenderable, io.ashton.fastpress.client.fast.HasPressHandlers

public class **CloseSaveButton**

extends [FastButton](#)

implements io.ashton.fastpress.client.fast.HasPressHandlers, com.google.gwt.user.client.ui.IsRenderable, com.google.gwt.user.client.EventListener, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.user.client.ui.HasVisibility, io.ashton.fastpress.client.fast.PressHandler

Button that can be used to close the save results or overwrite pop-up panel.

Fields inherited from class com.google.gwt.user.client.ui.UIObject

DEBUG_ID_PREFIX

Constructor Summary

| | |
|--------|---|
| public | CloseSaveButton() Construct a new button that can be used to close the save results or overwrite pop-up panel. |
|--------|---|

Method Summary

| | |
|------|--|
| void | onPress(io.ashton.fastpress.client.fast.PressEvent event) Closes the overwrite panel, shows the save panel and selects the previously entered name. |
|------|--|

Methods inherited from class [nl.tue.fingerpaint.client.gui.buttons.FastButton](#)

[getButton](#), [getElement](#), [onDisablePressStyle](#), [onEnablePressStyle](#), [onHoldPressDownStyle](#), [onHoldPressOffStyle](#), [setEnabled](#)

Methods inherited from class io.ashton.fastpress.client.fast.FastPressElement

[addPressHandler](#), [getWidget](#), [onBrowserEvent](#), [onDisablePressStyle](#), [onEnablePressStyle](#), [onHoldPressDownStyle](#), [onHoldPressOffStyle](#), [setEnabled](#)

Methods inherited from class com.google.gwt.user.client.ui.Composite

claimElement, getWidget, initializeClaimedElement, initWidget, isAttached, onAttach, onBrowserEvent, onDetach, render, render, resolvePotentialElement, setWidget

Methods inherited from class com.google.gwt.user.client.ui.Widget

addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget, asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren, doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached, isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload, removeFromParent, setLayoutData, sinkEvents

Methods inherited from class com.google.gwt.user.client.ui.UIObject

addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId, getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth, getStyleElement, getStyleName, getStyleName, getStylePrimaryName, getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId, removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement, setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName, setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString, unsinkEvents

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface com.google.gwt.user.client.ui.HasVisibility

isVisible, setVisible

Methods inherited from interface com.google.gwt.user.client.EventListener

onBrowserEvent

Methods inherited from interface com.google.gwt.event.logical.shared.HasAttachHandlers

addAttachHandler, isAttached

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.IsWidget

asWidget

Methods inherited from interface com.google.gwt.user.client.ui.IsRenderable

claimElement, initializeClaimedElement, render, render

Methods inherited from interface io.ashton.fastpress.client.fast.HasPressHandlers

addPressHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

```
fireEvent
```

Methods inherited from interface `io.ashton.fastpress.client.fast.PressHandler`

```
onPress
```

Constructors

CloseSaveButton

```
public CloseSaveButton()
```

Construct a new button that can be used to close the save results or overwrite pop-up panel.

Methods

onPress

```
public void onPress(io.ashton.fastpress.client.fast.PressEvent event)
```

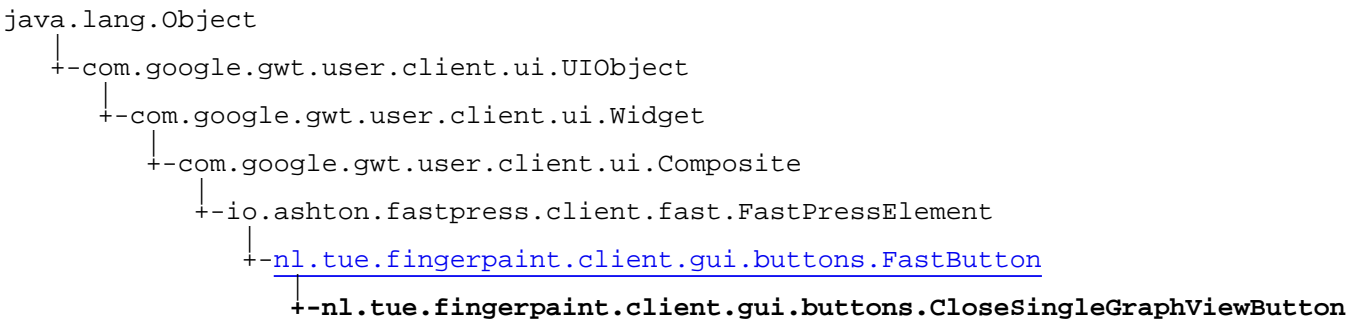
Closes the overwrite panel, shows the save panel and selects the previously entered name.

Parameters:

event - The event that has fired.

nl.tue.fingerpaint.client.gui.buttons

Class CloseSingleGraphViewButton



All Implemented Interfaces:
io.ashton.fastpress.client.fast.PressHandler, com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener, com.google.gwt.user.client.ui.IsRenderable, io.ashton.fastpress.client.fast.HasPressHandlers

public class **CloseSingleGraphViewButton**
extends [FastButton](#)
implements io.ashton.fastpress.client.fast.HasPressHandlers, com.google.gwt.user.client.ui.IsRenderable, com.google.gwt.user.client.EventListener, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.user.client.ui.HasVisibility, io.ashton.fastpress.client.fast.PressHandler

Button that can be used to close the performance pop-up of a single graph.

| Fields inherited from class com.google.gwt.user.client.ui.UIObject | |
|--|--|
| DEBUG_ID_PREFIX | |

| Constructor Summary | |
|---------------------|--|
| public | CloseSingleGraphViewButton() Construct a new button that can be used to close the performance pop-up of a single graph. |

| Method Summary | |
|----------------|--|
| void | onPress (io.ashton.fastpress.client.fast.PressEvent event) Hides the panel. |

| Methods inherited from class nl.tue.fingerpaint.client.gui.buttons.FastButton | |
|---|--|
| getButton , getElement , onDisablePressStyle , onEnablePressStyle , onHoldPressDownStyle , onHoldPressOffStyle , setEnabled | |

| Methods inherited from class io.ashton.fastpress.client.fast.FastPressElement | |
|---|--|
| addPressHandler , getWidget , onBrowserEvent , onDisablePressStyle , onEnablePressStyle , onHoldPressDownStyle , onHoldPressOffStyle , setEnabled | |

| Methods inherited from class com.google.gwt.user.client.ui.Composite | |
|--|--|
|--|--|

claimElement, getWidget, initializeClaimedElement, initWidget, isAttached, onAttach, onBrowserEvent, onDetach, render, render, resolvePotentialElement, setWidget

Methods inherited from class com.google.gwt.user.client.ui.Widget

addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget, asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren, doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached, isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload, removeFromParent, setLayoutData, sinkEvents

Methods inherited from class com.google.gwt.user.client.ui.UIObject

addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId, getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth, getStyleElement, getStyleName, getStyleName, getStylePrimaryName, getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId, removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement, setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName, setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString, unsinkEvents

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface com.google.gwt.user.client.ui.HasVisibility

isVisible, setVisible

Methods inherited from interface com.google.gwt.user.client.EventListener

onBrowserEvent

Methods inherited from interface com.google.gwt.event.logical.shared.HasAttachHandlers

addAttachHandler, isAttached

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.IsWidget

asWidget

Methods inherited from interface com.google.gwt.user.client.ui.IsRenderable

claimElement, initializeClaimedElement, render, render

Methods inherited from interface io.ashton.fastpress.client.fast.HasPressHandlers

addPressHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

```
fireEvent
```

Methods inherited from interface `io.ashton.fastpress.client.fast.PressHandler`

```
onPress
```

Constructors

CloseSingleGraphViewButton

```
public CloseSingleGraphViewButton()
```

Construct a new button that can be used to close the performance pop-up of a single graph.

Methods

onPress

```
public void onPress(io.ashton.fastpress.client.fast.PressEvent event)
```

Hides the panel.

Parameters:

`event` - The event that has fired.

nl.tue.fingerpaint.client.gui.buttons

Class CompareButton



All Implemented Interfaces:

io.ashton.fastpress.client.fast.PressHandler, com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener, com.google.gwt.user.client.ui.IsRenderable, io.ashton.fastpress.client.fast.HasPressHandlers

public class **CompareButton**
extends [FastButton](#)
implements io.ashton.fastpress.client.fast.HasPressHandlers, com.google.gwt.user.client.ui.IsRenderable, com.google.gwt.user.client.EventListener, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.user.client.ui.HasVisibility, io.ashton.fastpress.client.fast.PressHandler

Button that can be used to compare the performance of the selected mixing runs.

Field Summary

| | |
|-----------|--|
| protected | fp Reference to the entrypoint. |
|-----------|--|

| |
|---|
| Fields inherited from class com.google.gwt.user.client.ui.UIObject |
| DEBUG_ID_PREFIX |

Constructor Summary

| | |
|--------|--|
| public | CompareButton (Fingerpaint parent) Construct a new button that can be used to compare the performance of the selected mixing |
|--------|--|

Method Summary

| | |
|------|--|
| void | onPress (io.ashton.fastpress.client.fast.PressEvent event) Plots the selected performance results in one graph. |
|------|--|

| |
|---|
| Methods inherited from class nl.tue.fingerpaint.client.gui.buttons.FastButton |
| getButton , getElement , onDisablePressStyle , onEnablePressStyle , onHoldPressDownStyle , onHoldPressOffStyle , setEnabled |

Methods inherited from class io.ashton.fastpress.client.fast.FastPressElement

addPressHandler, getWidget, onBrowserEvent, onDisablePressStyle, onEnablePressStyle, onHoldPressDownStyle, onHoldPressOffStyle, setEnabled

Methods inherited from class com.google.gwt.user.client.ui.Composite

claimElement, getWidget, initializeClaimedElement, initWidget, isAttached, onAttach, onBrowserEvent, onDetach, render, render, resolvePotentialElement, setWidget

Methods inherited from class com.google.gwt.user.client.ui.Widget

addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget, asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren, doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached, isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload, removeFromParent, setLayoutData, sinkEvents

Methods inherited from class com.google.gwt.user.client.ui.UIObject

addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId, getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth, getStyleElement, getStyleName, getStyleName, getStylePrimaryName, getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId, removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement, setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName, setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString, unsinkEvents

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface com.google.gwt.user.client.ui.HasVisibility

isVisible, setVisible

Methods inherited from interface com.google.gwt.user.client.EventListener

onBrowserEvent

Methods inherited from interface com.google.gwt.event.logical.shared.HasAttachHandlers

addAttachHandler, isAttached

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.IsWidget

asWidget

Methods inherited from interface com.google.gwt.user.client.ui.IsRenderable

claimElement, initializeClaimedElement, render, render

Methods inherited from interface `io.ashton.fastpress.client.fast.HasPressHandlers``addPressHandler`**Methods inherited from interface** `com.google.gwt.event.shared.HasHandlers``fireEvent`**Methods inherited from interface** `io.ashton.fastpress.client.fast.PressHandler``onPress`

Fields

fp

`protected nl.tue.fingerpaint.client.Fingerpaint fp`

Reference to the endpoint. Used to call the create graph functionality.

Constructors

CompareButton

`public CompareButton(Fingerpaint parent)`

Construct a new button that can be used to compare the performance of the selected mixing

Parameters:

parent - Reference to the endpoint, used to call the create graph functionality.

Methods

onPress

`public void onPress(io.ashton.fastpress.client.fast.PressEvent event)`

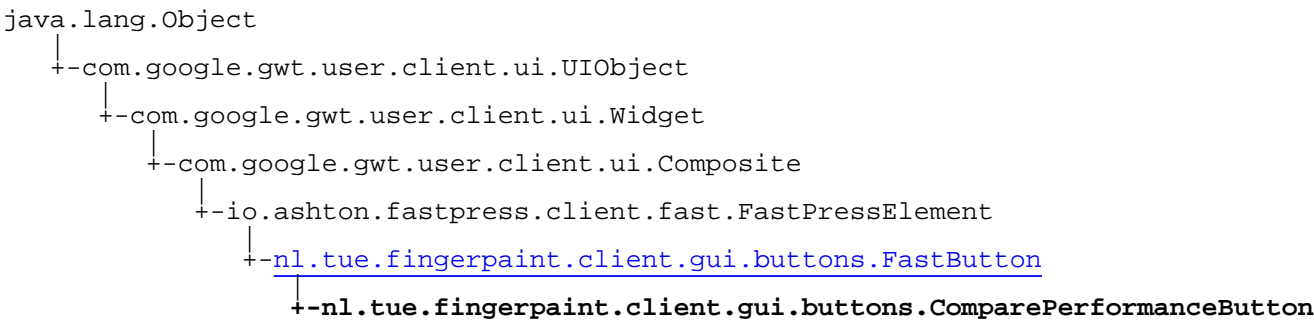
Plots the selected performance results in one graph. Adds the names of the selected runs to the legend, and their results to the graph, and finally shows the panel containing the graphs.

Parameters:

event - The event that has fired.

nl.tue.fingerpaint.client.gui.buttons

Class ComparePerformanceButton



All Implemented Interfaces:

io.ashton.fastpress.client.fast.PressHandler, com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener, com.google.gwt.user.client.ui.IsRenderable, io.ashton.fastpress.client.fast.HasPressHandlers

public class **ComparePerformanceButton**
extends [FastButton](#)
implements io.ashton.fastpress.client.fast.HasPressHandlers, com.google.gwt.user.client.ui.IsRenderable, com.google.gwt.user.client.EventListener, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.user.client.ui.HasVisibility, io.ashton.fastpress.client.fast.PressHandler

Button that can be used to compare the performance of previously saved mixing runs.

| Fields inherited from class com.google.gwt.user.client.ui.UIObject | |
|--|--|
| DEBUG_ID_PREFIX | |

| Constructor Summary | |
|---------------------|---|
| public | ComparePerformanceButton (Fingerpaint parent) Construct a new button that can be used to compare the performance of previously saved mixing runs. |

| Method Summary | |
|----------------|--|
| void | onPress (io.ashton.fastpress.client.fast.PressEvent event) Creates a list containing the names of all locally stored results. |

| Methods inherited from class nl.tue.fingerpaint.client.gui.buttons.FastButton | |
|---|--|
| getButton , getElement , onDisablePressStyle , onEnablePressStyle , onHoldPressDownStyle , onHoldPressOffStyle , setEnabled | |

| Methods inherited from class io.ashton.fastpress.client.fast.FastPressElement | |
|---|--|
| addPressHandler , getWidget , onBrowserEvent , onDisablePressStyle , onEnablePressStyle , onHoldPressDownStyle , onHoldPressOffStyle , setEnabled | |

Methods inherited from class com.google.gwt.user.client.ui.Composite

claimElement, getWidget, initializeClaimedElement, initWidget, isAttached, onAttach, onBrowserEvent, onDetach, render, render, resolvePotentialElement, setWidget

Methods inherited from class com.google.gwt.user.client.ui.Widget

addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget, asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren, doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached, isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload, removeFromParent, setLayoutData, sinkEvents

Methods inherited from class com.google.gwt.user.client.ui.UIObject

addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId, getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth, getStyleElement, getStyleName, getStyleName, getStylePrimaryName, getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId, removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement, setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName, setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString, unsinkEvents

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface com.google.gwt.user.client.ui.HasVisibility

isVisible, setVisible

Methods inherited from interface com.google.gwt.user.client.EventListener

onBrowserEvent

Methods inherited from interface com.google.gwt.event.logical.shared.HasAttachHandlers

addAttachHandler, isAttached

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.IsWidget

asWidget

Methods inherited from interface com.google.gwt.user.client.ui.IsRenderable

claimElement, initializeClaimedElement, render, render

Methods inherited from interface io.ashton.fastpress.client.fast.HasPressHandlers

addPressHandler

Methods inherited from interface `com.google.gwt.event.shared.HasHandlers``fireEvent`**Methods inherited from interface** `io.ashton.fastpress.client.fast.PressHandler``onPress`

Constructors

ComparePerformanceButton

```
public ComparePerformanceButton(Fingerpaint parent)
```

Construct a new button that can be used to compare the performance of previously saved mixing runs. When clicked, it opens the [GuiState.compareSelectPopupPanel](#) pop-up.

Parameters:

`parent` - Reference to the entrypoint, used to export the graphs.

Methods

onPress

```
public void onPress(io.ashton.fastpress.client.fast.PressEvent event)
```

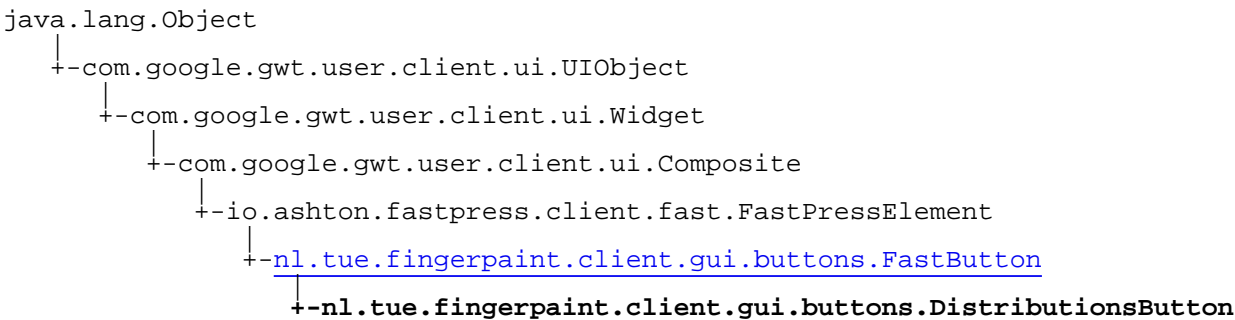
Creates a list containing the names of all locally stored results.

Parameters:

`event` - The event that has fired.

nl.tue.fingerpaint.client.gui.buttons

Class DistributionsButton



All Implemented Interfaces:

io.ashton.fastpress.client.fast.PressHandler, com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener, com.google.gwt.user.client.ui.IsRenderable, io.ashton.fastpress.client.fast.HasPressHandlers

public class **DistributionsButton**
extends [FastButton](#)
implements io.ashton.fastpress.client.fast.HasPressHandlers, com.google.gwt.user.client.ui.IsRenderable, com.google.gwt.user.client.EventListener, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.user.client.ui.HasVisibility, io.ashton.fastpress.client.fast.PressHandler

Button that can be used to enter the submenu with distribution related actions.

| Fields inherited from class com.google.gwt.user.client.ui.UIObject | |
|--|--|
| DEBUG_ID_PREFIX | |

| Constructor Summary | |
|---------------------|--|
| public | DistributionsButton() Construct a new button that can be used to enter the submenu with distribution related actions. |

| Method Summary | |
|----------------|--|
| void | onPress (io.ashton.fastpress.client.fast.PressEvent event) Enter the submenu with distribution related actions. |

| Methods inherited from class nl.tue.fingerpaint.client.gui.buttons.FastButton | |
|---|--|
| getButton , getElement , onDisablePressStyle , onEnablePressStyle , onHoldPressDownStyle , onHoldPressOffStyle , setEnabled | |

| Methods inherited from class io.ashton.fastpress.client.fast.FastPressElement | |
|--|--|
| addPressHandler, getWidget, onBrowserEvent, onDisablePressStyle, onEnablePressStyle, onHoldPressDownStyle, onHoldPressOffStyle, setEnabled | |

Methods inherited from class com.google.gwt.user.client.ui.Composite

claimElement, getWidget, initializeClaimedElement, initWidget, isAttached, onAttach, onBrowserEvent, onDetach, render, render, resolvePotentialElement, setWidget

Methods inherited from class com.google.gwt.user.client.ui.Widget

addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget, asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren, doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached, isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload, removeFromParent, setLayoutData, sinkEvents

Methods inherited from class com.google.gwt.user.client.ui.UIObject

addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId, getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth, getStyleElement, getStyleName, getStyleName, getStylePrimaryName, getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId, removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement, setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName, setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString, unsinkEvents

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface com.google.gwt.user.client.ui.HasVisibility

isVisible, setVisible

Methods inherited from interface com.google.gwt.user.client.EventListener

onBrowserEvent

Methods inherited from interface com.google.gwt.event.logical.shared.HasAttachHandlers

addAttachHandler, isAttached

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.IsWidget

asWidget

Methods inherited from interface com.google.gwt.user.client.ui.IsRenderable

claimElement, initializeClaimedElement, render, render

Methods inherited from interface io.ashton.fastpress.client.fast.HasPressHandlers

addPressHandler

Methods inherited from interface `com.google.gwt.event.shared.HasHandlers`

`fireEvent`

Methods inherited from interface `io.ashton.fastpress.client.fast.PressHandler`

`onPress`

Constructors

DistributionsButton

```
public DistributionsButton()
```

Construct a new button that can be used to enter the submenu with distribution related actions.

Methods

onPress

```
public void onPress(io.ashton.fastpress.client.fast.PressEvent event)
```

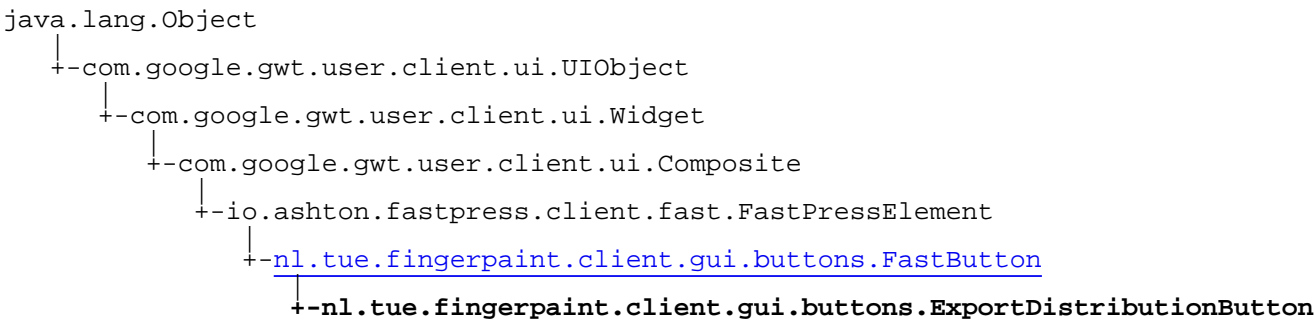
Enter the submenu with distribution related actions.

Parameters:

`event` - The event that has fired.

nl.tue.fingerpaint.client.gui.buttons

Class ExportDistributionButton



All Implemented Interfaces:
io.ashton.fastpress.client.fast.PressHandler, com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener, com.google.gwt.user.client.ui.IsRenderable, io.ashton.fastpress.client.fast.HasPressHandlers

public class **ExportDistributionButton**
extends [FastButton](#)
implements io.ashton.fastpress.client.fast.HasPressHandlers, com.google.gwt.user.client.ui.IsRenderable, com.google.gwt.user.client.EventListener, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.user.client.ui.HasVisibility, io.ashton.fastpress.client.fast.PressHandler

Button that can be used to export a distribution.

| Field Summary | | |
|---------------|-----------|--|
| | protected | as Reference to the endpoint. |

| Fields inherited from class com.google.gwt.user.client.ui.UIObject | |
|--|--|
| DEBUG_ID_PREFIX | |

| Constructor Summary | |
|---------------------|---|
| public | ExportDistributionButton (ApplicationState parent) Construct a new button that can be used to export multiple graphs. |

| Method Summary | |
|----------------|---|
| void | onPress (io.ashton.fastpress.client.fast.PressEvent event) Exports the currently shown distribution to an external svg file. |

| Methods inherited from class nl.tue.fingerpaint.client.gui.buttons.FastButton | |
|---|--|
| getButton , getElement , onDisablePressStyle , onEnablePressStyle , onHoldPressDownStyle , onHoldPressOffStyle , setEnabled | |

Methods inherited from class io.ashton.fastpress.client.fast.FastPressEvent

addPressHandler, getWidget, onBrowserEvent, onDisablePressStyle, onEnablePressStyle, onHoldPressDownStyle, onHoldPressOffStyle, setEnabled

Methods inherited from class com.google.gwt.user.client.ui.Composite

claimElement, getWidget, initializeClaimedElement, initWidget, isAttached, onAttach, onBrowserEvent, onDetach, render, render, resolvePotentialElement, setWidget

Methods inherited from class com.google.gwt.user.client.ui.Widget

addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget, asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren, doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached, isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload, removeFromParent, setLayoutData, sinkEvents

Methods inherited from class com.google.gwt.user.client.ui.UIObject

addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId, getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth, getStyleElement, getStyleName, getStyleName, getStylePrimaryName, getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId, removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement, setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName, setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString, unsinkEvents

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface com.google.gwt.user.client.ui.HasVisibility

isVisible, setVisible

Methods inherited from interface com.google.gwt.user.client.EventListener

onBrowserEvent

Methods inherited from interface com.google.gwt.event.logical.shared.HasAttachHandlers

addAttachHandler, isAttached

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.IsWidget

asWidget

Methods inherited from interface com.google.gwt.user.client.ui.IsRenderable

claimElement, initializeClaimedElement, render, render

Methods inherited from interface io.ashton.fastpress.client.fast.HasPressHandlers

addPressHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface io.ashton.fastpress.client.fast.PressHandler

onPress

Fields

asprotected nl.tue.fingerpaint.client.model.ApplicationState **as**

Reference to the endpoint. Used to export the graphs.

Constructors

ExportDistributionButton

public **ExportDistributionButton**([ApplicationState](#) parent)

Construct a new button that can be used to export multiple graphs.

Parameters:

parent - Reference to the endpoint, used to export the graphs.

Methods

onPresspublic void **onPress**(io.ashton.fastpress.client.fast.PressEvent event)

Exports the currently shown distribution to an external svg file.

Parameters:

event - The event that has fired.

nl.tue.fingerpaint.client.gui.buttons

Class ExportMultipleGraphsButton

```

java.lang.Object
├── com.google.gwt.user.client.ui.UIObject
│   ├── com.google.gwt.user.client.ui.Widget
│   │   ├── com.google.gwt.user.client.ui.Composite
│   │   │   ├── io.ashton.fastpress.client.fast.FastPressElement
│   │   │   │   ├── nl.tue.fingerpaint.client.gui.buttons.FastButton
│   │   │   │   │   └── nl.tue.fingerpaint.client.gui.buttons.ExportMultipleGraphsButton

```

All Implemented Interfaces:

io.ashton.fastpress.client.fast.PressHandler, com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener, com.google.gwt.user.client.ui.IsRenderable, io.ashton.fastpress.client.fast.HasPressHandlers

public class **ExportMultipleGraphsButton**

extends [FastButton](#)

implements io.ashton.fastpress.client.fast.HasPressHandlers, com.google.gwt.user.client.ui.IsRenderable, com.google.gwt.user.client.EventListener, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.user.client.ui.HasVisibility, io.ashton.fastpress.client.fast.PressHandler

Button that can be used to export multiple graphs.

Field Summary

| | |
|-----------|--|
| protected | fp Reference to the endpoint. |
|-----------|--|

Fields inherited from class com.google.gwt.user.client.ui.UIObject

DEBUG_ID_PREFIX

Constructor Summary

| | |
|--------|--|
| public | ExportMultipleGraphsButton (Fingerpaint parent) Construct a new button that can be used to export multiple graphs. |
|--------|--|

Method Summary

| | |
|------|--|
| void | onPress (io.ashton.fastpress.client.fast.PressEvent event) Exports the graph to an external svg file. |
|------|--|

Methods inherited from class [nl.tue.fingerpaint.client.gui.buttons.FastButton](#)

[getButton](#), [getElement](#), [onDisablePressStyle](#), [onEnablePressStyle](#), [onHoldPressDownStyle](#), [onHoldPressOffStyle](#), [setEnabled](#)

Methods inherited from class io.ashton.fastpress.client.fast.FastPressEvent

addPressHandler, getWidget, onBrowserEvent, onDisablePressStyle, onEnablePressStyle, onHoldPressDownStyle, onHoldPressOffStyle, setEnabled

Methods inherited from class com.google.gwt.user.client.ui.Composite

claimElement, getWidget, initializeClaimedElement, initWidget, isAttached, onAttach, onBrowserEvent, onDetach, render, render, resolvePotentialElement, setWidget

Methods inherited from class com.google.gwt.user.client.ui.Widget

addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget, asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren, doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached, isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload, removeFromParent, setLayoutData, sinkEvents

Methods inherited from class com.google.gwt.user.client.ui.UIObject

addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId, getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth, getStyleElement, getStyleName, getStyleName, getStylePrimaryName, getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId, removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement, setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName, setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString, unsinkEvents

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface com.google.gwt.user.client.ui.HasVisibility

isVisible, setVisible

Methods inherited from interface com.google.gwt.user.client.EventListener

onBrowserEvent

Methods inherited from interface com.google.gwt.event.logical.shared.HasAttachHandlers

addAttachHandler, isAttached

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.IsWidget

asWidget

Methods inherited from interface com.google.gwt.user.client.ui.IsRenderable

claimElement, initializeClaimedElement, render, render

Methods inherited from interface `io.ashton.fastpress.client.fast.HasPressHandlers``addPressHandler`**Methods inherited from interface** `com.google.gwt.event.shared.HasHandlers``fireEvent`**Methods inherited from interface** `io.ashton.fastpress.client.fast.PressHandler``onPress`

Fields

fp

`protected nl.tue.fingerprint.client.Fingerprint fp`

Reference to the endpoint. Used to export the graphs.

Constructors

ExportMultipleGraphsButton

`public ExportMultipleGraphsButton(Fingerprint parent)`

Construct a new button that can be used to export multiple graphs.

Parameters:

parent - Reference to the endpoint, used to export the graphs.

Methods

onPress

`public void onPress(io.ashton.fastpress.client.fast.PressEvent event)`

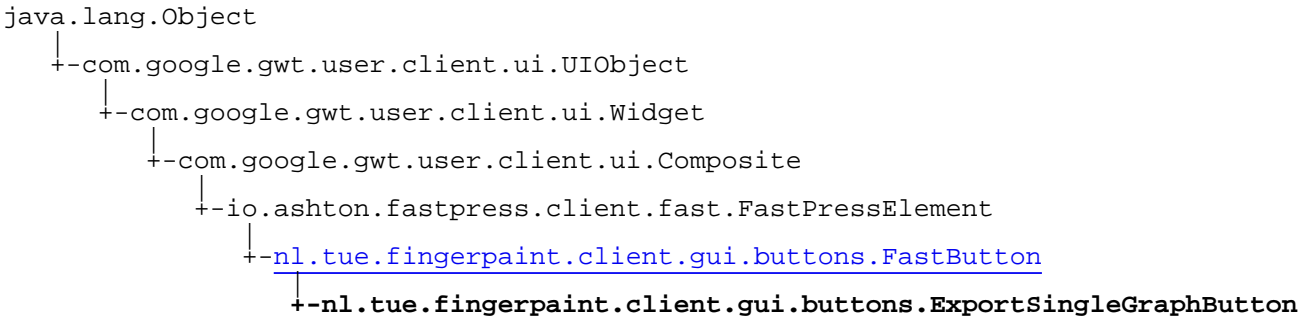
Exports the graph to an external svg file.

Parameters:

event - The event that has fired.

nl.tue.fingerpaint.client.gui.buttons

Class ExportSingleGraphButton



All Implemented Interfaces:
io.ashton.fastpress.client.fast.PressHandler, com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener, com.google.gwt.user.client.ui.IsRenderable, io.ashton.fastpress.client.fast.HasPressHandlers

public class **ExportSingleGraphButton**
extends [FastButton](#)
implements io.ashton.fastpress.client.fast.HasPressHandlers, com.google.gwt.user.client.ui.IsRenderable, com.google.gwt.user.client.EventListener, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.user.client.ui.HasVisibility, io.ashton.fastpress.client.fast.PressHandler

Button that can be used to export the image of the current mixing performance.

| Field Summary | | |
|---------------|-----------|--|
| | protected | fp Reference to the endpoint. |

| Fields inherited from class com.google.gwt.user.client.ui.UIObject | |
|--|--|
| DEBUG_ID_PREFIX | |

| Constructor Summary | |
|---------------------|---|
| public | ExportSingleGraphButton (Fingerpaint parent) Construct a new button that can be used to export the image of the current mixing performance. |

| Method Summary | |
|----------------|--|
| void | onPress (io.ashton.fastpress.client.fast.PressEvent event) Exports the graph to an external svg file. |

| Methods inherited from class nl.tue.fingerpaint.client.gui.buttons.FastButton | |
|---|--|
| getButton , getElement , onDisablePressStyle , onEnablePressStyle , onHoldPressDownStyle , onHoldPressOffStyle , setEnabled | |

Methods inherited from class io.ashton.fastpress.client.fast.FastPressEvent

addPressHandler, getWidget, onBrowserEvent, onDisablePressStyle, onEnablePressStyle, onHoldPressDownStyle, onHoldPressOffStyle, setEnabled

Methods inherited from class com.google.gwt.user.client.ui.Composite

claimElement, getWidget, initializeClaimedElement, initWidget, isAttached, onAttach, onBrowserEvent, onDetach, render, render, resolvePotentialElement, setWidget

Methods inherited from class com.google.gwt.user.client.ui.Widget

addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget, asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren, doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached, isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload, removeFromParent, setLayoutData, sinkEvents

Methods inherited from class com.google.gwt.user.client.ui.UIObject

addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId, getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth, getStyleElement, getStyleName, getStyleName, getStylePrimaryName, getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId, removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement, setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName, setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString, unsinkEvents

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface com.google.gwt.user.client.ui.HasVisibility

isVisible, setVisible

Methods inherited from interface com.google.gwt.user.client.EventListener

onBrowserEvent

Methods inherited from interface com.google.gwt.event.logical.shared.HasAttachHandlers

addAttachHandler, isAttached

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.IsWidget

asWidget

Methods inherited from interface com.google.gwt.user.client.ui.IsRenderable

```
claimElement, initializeClaimedElement, render, render
```

Methods inherited from interface `io.ashton.fastpress.client.fast.HasPressHandlers`

```
addPressHandler
```

Methods inherited from interface `com.google.gwt.event.shared.HasHandlers`

```
fireEvent
```

Methods inherited from interface `io.ashton.fastpress.client.fast.PressHandler`

```
onPress
```

Fields

fp

protected `nl.tue.fingerpaint.client.Fingerpaint` **fp**

Reference to the endpoint. Used to call the export functionality.

Constructors

ExportSingleGraphButton

```
public ExportSingleGraphButton(Fingerpaint parent)
```

Construct a new button that can be used to export the image of the current mixing performance.

Parameters:

parent - Reference to the endpoint, used to call the export functionality.

Methods

onPress

```
public void onPress(io.ashton.fastpress.client.fast.PressEvent event)
```

Exports the graph to an external svg file.

Parameters:

event - The event that has fired.

nl.tue.fingerpaint.client.gui.buttons

Class FastButton

```

java.lang.Object
  |
  +-com.google.gwt.user.client.ui.UIObject
    |
    +-com.google.gwt.user.client.ui.Widget
      |
      +-com.google.gwt.user.client.ui.Composite
        |
        +-io.ashton.fastpress.client.fast.FastPressElement
          |
          +-nl.tue.fingerpaint.client.gui.buttons.FastButton

```

All Implemented Interfaces:

com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget,
com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener,
com.google.gwt.user.client.ui.IsRenderable, io.ashton.fastpress.client.fast.HasPressHandlers

Direct Known Subclasses:

[ToggleColourButton](#), [CloseResultsButton](#), [ResetProtocolButton](#), [LoadProtocolButton](#), [RemoveSavedProtButton](#),
[BackStopDefiningProtocolButton](#), [ToolSelectButton](#), [SaveResultsButton](#), [LoadResultsButton](#),
[RemoveSavedResultsButton](#), [RemoveInitDistButton](#), [ExportSingleGraphButton](#), [ToggleDefineProtocol](#),
[ProtocolsButton](#), [DistributionsButton](#), [ExportDistributionButton](#), [MenuToggleButton](#), [MixNowButton](#),
[SaveDistributionButton](#), [CloseSingleGraphViewButton](#), [CompareButton](#), [LoadInitDistButton](#), [SaveProtocolButton](#),
[CancelCompareButton](#), [CloseSaveButton](#), [OverwriteSaveButton](#), [CloseCompareButton](#), [CancelSaveResultsButton](#),
[SaveItemPanelButton](#), [ComparePerformanceButton](#), [NewCompareButton](#), [ExportMultipleGraphsButton](#),
[ResultsButton](#), [ViewSingleGraphButton](#), [BackMenuButton](#), [ResetDistButton](#), [CloseLoadButton](#)

```

public class FastButton
extends io.ashton.fastpress.client.fast.FastPressElement

```

A FastButton is an element that can be used like a com.google.gwt.user.client.ui.Button, but on touch devices it will respond immediately to touches instead of with a delay. This type of button should be used anywhere instead of "regular" buttons to ensure a "snappy" experience and fix weird bugs.

Note: this class basically wraps a com.google.gwt.user.client.ui.Button element that can be accessed through the [getButton\(\)](#) method.

Fields inherited from class com.google.gwt.user.client.ui.UIObject

DEBUG_ID_PREFIX

Constructor Summary

| | |
|--------|---|
| public | FastButton() Create a new button with no text in it. |
| public | FastButton (java.lang.String btnText) Create a new button with the given text in it. |
| public | FastButton (com.google.gwt.user.client.ui.Button child) Create a new FastButton that wraps the given com.google.gwt.user.client.ui.Button. |

Method Summary

| | |
|--------------------------------------|---|
| com.google.gwt.user.client.ui.Button | getButton() Return a reference to the actual com.google.gwt.user.client.ui.Button wrapped by this class. |
| com.google.gwt.user.client.Element | getElement() |
| void | onDisablePressStyle() |
| void | onEnablePressStyle() |
| void | onHoldPressDownStyle() |
| void | onHoldPressOffStyle() |
| void | setEnabled() (boolean enabled) |

Methods inherited from class io.ashton.fastpress.client.fast.FastPressElement

addPressHandler, getWidget, onBrowserEvent, onDisablePressStyle, onEnablePressStyle, onHoldPressDownStyle, onHoldPressOffStyle, setEnabled

Methods inherited from class com.google.gwt.user.client.ui.Composite

claimElement, getWidget, initializeClaimedElement, initWidget, isAttached, onAttach, onBrowserEvent, onDetach, render, render, resolvePotentialElement, setWidget

Methods inherited from class com.google.gwt.user.client.ui.Widget

addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget, asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren, doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached, isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload, removeFromParent, setLayoutData, sinkEvents

Methods inherited from class com.google.gwt.user.client.ui.UIObject

addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId, getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth, getStyleElement, getStyleName, getStyleName, getStylePrimaryName, getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId, removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement, setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName, setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString, unsinkEvents

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface com.google.gwt.user.client.ui.HasVisibility

isVisible, setVisible

Methods inherited from interface `com.google.gwt.user.client.EventListener``onBrowserEvent`**Methods inherited from interface** `com.google.gwt.event.logical.shared.HasAttachHandlers``addAttachHandler, isAttached`**Methods inherited from interface** `com.google.gwt.event.shared.HasHandlers``fireEvent`**Methods inherited from interface** `com.google.gwt.user.client.ui.IsWidget``asWidget`**Methods inherited from interface** `com.google.gwt.user.client.ui.IsRenderable``claimElement, initializeClaimedElement, render, render`**Methods inherited from interface** `io.ashton.fastpress.client.fast.HasPressHandlers``addPressHandler`**Methods inherited from interface** `com.google.gwt.event.shared.HasHandlers``fireEvent`

Constructors

FastButton

```
public FastButton()
```

Create a new button with no text in it.

FastButton

```
public FastButton(java.lang.String btnText)
```

Create a new button with the given text in it.

Parameters:

`btnText` - Text to display in the button.

FastButton

```
public FastButton(com.google.gwt.user.client.ui.Button child)
```

Create a new FastButton that wraps the given `com.google.gwt.user.client.ui.Button`.

Parameters:

`child` - The Button to wrap.

Methods

(continued from last page)

getButton

```
public com.google.gwt.user.client.ui.Button getButton()
```

Return a reference to the actual `com.google.gwt.user.client.ui.Button` wrapped by this class.

Returns:

a reference to the wrapped `com.google.gwt.user.client.ui.Button`

getElement

```
public com.google.gwt.user.client.Element getElement()
```

setEnabled

```
public void setEnabled(boolean enabled)
```

onHoldPressDownStyle

```
public void onHoldPressDownStyle()
```

Implement the handler for pressing but NOT releasing the button. Normally you just want to show some CSS style change to alert the user the element is active but not yet pressed **ONLY FOR STYLE CHANGE** - Will briefly be called `onClick`
TIP: Don't make a dramatic style change. Take note that if a user is just trying to scroll, and start on the element and then scrolls off, we may not want to distract them too much. If a user does scroll off the element,

onHoldPressOffStyle

```
public void onHoldPressOffStyle()
```

Implement the handler for release of press. This should just be some CSS or Style change. **ONLY FOR STYLE CHANGE** - Will briefly be called `onClick` TIP: This should just go back to the normal style.

onDisablePressStyle

```
public void onDisablePressStyle()
```

Change styling to disabled

onEnablePressStyle

```
public void onEnablePressStyle()
```

Change styling to enabled TIP:

nl.tue.fingerpaint.client.gui.buttons

Class FastToggleButton

```

java.lang.Object
├── com.google.gwt.user.client.ui.UIObject
│   ├── com.google.gwt.user.client.ui.Widget
│   │   ├── com.google.gwt.user.client.ui.Composite
│   │   │   ├── io.ashton.fastpress.client.fast.FastPressElement
│   │   │   └── nl.tue.fingerpaint.client.gui.buttons.FastToggleButton

```

All Implemented Interfaces:

com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget,
com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener,
com.google.gwt.user.client.ui.IsRenderable, io.ashton.fastpress.client.fast.HasPressHandlers

Direct Known Subclasses:

[CircleDrawingToolToggleButton](#), [SquareDrawingToolToggleButton](#)

```

public class FastToggleButton
extends io.ashton.fastpress.client.fast.FastPressElement

```

A FastButton is an element that can be used like a com.google.gwt.user.client.ui.ToggleButton, but on touch devices it will respond immediately to touches instead of with a delay. This type of button should be used anywhere instead of "regular" buttons to ensure a "snappy" experience and fix weird bugs.

Note: this class basically wraps a com.google.gwt.user.client.ui.ToggleButton element that can be accessed through the [getToggleButton\(\)](#) field.

Fields inherited from class com.google.gwt.user.client.ui.UIObject

DEBUG_ID_PREFIX

Constructor Summary

| | |
|--------|--|
| public | FastToggleButton() Create a new button with no text in it. |
| public | FastToggleButton(java.lang.String upText, java.lang.String downText) Create a new button with the given text in it. |
| public | FastToggleButton(com.google.gwt.user.client.ui.ToggleButton child) Create a new FastToggleButton that wraps the given com.google.gwt.user.client.ui.ToggleButton. |

Method Summary

| | |
|--|---|
| com.google.gwt.user.client.Element | getElement() |
| com.google.gwt.user.client.ui.ToggleButton | getToggleButton() Return a reference to the actual com.google.gwt.user.client.ui.ToggleButton wrapped by this class. |

| | |
|------|--|
| void | onDisablePressStyle() |
| void | onEnablePressStyle() |
| void | onHoldPressDownStyle() |
| void | onHoldPressOffStyle() |
| void | setEnabled (boolean enabled) |

Methods inherited from class io.ashton.fastpress.client.fast.FastPressEvent

addPressHandler, getWidget, onBrowserEvent, onDisablePressStyle, onEnablePressStyle, onHoldPressDownStyle, onHoldPressOffStyle, setEnabled

Methods inherited from class com.google.gwt.user.client.ui.Composite

claimElement, getWidget, initializeClaimedElement, initWidget, isAttached, onAttach, onBrowserEvent, onDetach, render, render, resolvePotentialElement, setWidget

Methods inherited from class com.google.gwt.user.client.ui.Widget

addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget, asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren, doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached, isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload, removeFromParent, setLayoutData, sinkEvents

Methods inherited from class com.google.gwt.user.client.ui.UIObject

addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId, getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth, getStyleElement, getStyleName, getStyleName, getStylePrimaryName, getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId, removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement, setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName, setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString, unsinkEvents

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface com.google.gwt.user.client.ui.HasVisibility

isVisible, setVisible

Methods inherited from interface com.google.gwt.user.client.EventListener

onBrowserEvent

Methods inherited from interface com.google.gwt.event.logical.shared.HasAttachHandlers

```
addAttachHandler, isAttached
```

Methods inherited from interface `com.google.gwt.event.shared.HasHandlers`

```
fireEvent
```

Methods inherited from interface `com.google.gwt.user.client.ui.IsWidget`

```
asWidget
```

Methods inherited from interface `com.google.gwt.user.client.ui.IsRenderable`

```
claimElement, initializeClaimedElement, render, render
```

Methods inherited from interface `io.ashton.fastpress.client.fast.HasPressHandlers`

```
addPressHandler
```

Methods inherited from interface `com.google.gwt.event.shared.HasHandlers`

```
fireEvent
```

Constructors

FastToggleButton

```
public FastToggleButton( )
```

Create a new button with no text in it.

FastToggleButton

```
public FastToggleButton( java.lang.String upText,  
                           java.lang.String downText )
```

Create a new button with the given text in it.

Parameters:

upText - Text to show when the toggle button is not down.

downText - Text to show when the toggle button is down.

FastToggleButton

```
public FastToggleButton(com.google.gwt.user.client.ui.ToggleButton child)
```

Create a new FastToggleButton that wraps the given `com.google.gwt.user.client.ui.ToggleButton`.

Parameters:

child - The ToggleButton to wrap.

Methods

(continued from last page)

getElement

```
public com.google.gwt.user.client.Element getElement()
```

getToggleButton

```
public com.google.gwt.user.client.ui.ToggleButton getToggleButton()
```

Return a reference to the actual `com.google.gwt.user.client.ui.ToggleButton` wrapped by this class.

Returns:

a reference to the wrapped `com.google.gwt.user.client.ui.ToggleButton`

setEnabled

```
public void setEnabled(boolean enabled)
```

onHoldPressDownStyle

```
public void onHoldPressDownStyle()
```

Implement the handler for pressing but NOT releasing the button. Normally you just want to show some CSS style change to alert the user the element is active but not yet pressed **ONLY FOR STYLE CHANGE** - Will briefly be called onClick
TIP: Don't make a dramatic style change. Take note that if a user is just trying to scroll, and start on the element and then scrolls off, we may not want to distract them too much. If a user does scroll off the element,

onHoldPressOffStyle

```
public void onHoldPressOffStyle()
```

Implement the handler for release of press. This should just be some CSS or Style change. **ONLY FOR STYLE CHANGE**
- Will briefly be called onClick TIP: This should just go back to the normal style.

onDisablePressStyle

```
public void onDisablePressStyle()
```

Change styling to disabled

onEnablePressStyle

```
public void onEnablePressStyle()
```

Change styling to enabled TIP:

nl.tue.fingerpaint.client.gui.buttons

Class LoadInitDistButton

```

java.lang.Object
├── com.google.gwt.user.client.ui.UIObject
│   ├── com.google.gwt.user.client.ui.Widget
│   │   ├── com.google.gwt.user.client.ui.Composite
│   │   │   ├── io.ashton.fastpress.client.fast.FastPressElement
│   │   │   │   ├── nl.tue.fingerpaint.client.gui.buttons.FastButton
│   │   │   │       └── nl.tue.fingerpaint.client.gui.buttons.LoadInitDistButton

```

All Implemented Interfaces:

io.ashton.fastpress.client.fast.PressHandler, com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener, com.google.gwt.user.client.ui.IsRenderable, io.ashton.fastpress.client.fast.HasPressHandlers

public class **LoadInitDistButton**

extends [FastButton](#)

implements io.ashton.fastpress.client.fast.HasPressHandlers, com.google.gwt.user.client.ui.IsRenderable, com.google.gwt.user.client.EventListener, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.user.client.ui.HasVisibility, io.ashton.fastpress.client.fast.PressHandler

Button that can be used to load a previously saved initial concentration distribution.

Field Summary

| | |
|-----------|---|
| protected | as Reference to the model. |
|-----------|---|

Fields inherited from class com.google.gwt.user.client.ui.UIObject

DEBUG_ID_PREFIX

Constructor Summary

| | |
|--------|---|
| public | LoadInitDistButton (ApplicationState appState) Construct a new button that can be used to load a previously saved initial concentration distribution. |
|--------|---|

Method Summary

| | |
|------|---|
| void | onPress (io.ashton.fastpress.client.fast.PressEvent event) Creates a panel with the names of all locally stored distributions. |
|------|---|

Methods inherited from class [nl.tue.fingerpaint.client.gui.buttons.FastButton](#)

[getButton](#), [getElement](#), [onDisablePressStyle](#), [onEnablePressStyle](#), [onHoldPressDownStyle](#), [onHoldPressOffStyle](#), [setEnabled](#)

Methods inherited from class io.ashton.fastpress.client.fast.FastPressEvent

addPressHandler, getWidget, onBrowserEvent, onDisablePressStyle, onEnablePressStyle, onHoldPressDownStyle, onHoldPressOffStyle, setEnabled

Methods inherited from class com.google.gwt.user.client.ui.Composite

claimElement, getWidget, initializeClaimedElement, initWidget, isAttached, onAttach, onBrowserEvent, onDetach, render, render, resolvePotentialElement, setWidget

Methods inherited from class com.google.gwt.user.client.ui.Widget

addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget, asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren, doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached, isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload, removeFromParent, setLayoutData, sinkEvents

Methods inherited from class com.google.gwt.user.client.ui.UIObject

addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId, getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth, getStyleElement, getStyleName, getStyleName, getStylePrimaryName, getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId, removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement, setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName, setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString, unsinkEvents

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface com.google.gwt.user.client.ui.HasVisibility

isVisible, setVisible

Methods inherited from interface com.google.gwt.user.client.EventListener

onBrowserEvent

Methods inherited from interface com.google.gwt.event.logical.shared.HasAttachHandlers

addAttachHandler, isAttached

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.IsWidget

asWidget

Methods inherited from interface com.google.gwt.user.client.ui.IsRenderable

```
claimElement, initializeClaimedElement, render, render
```

Methods inherited from interface `io.ashton.fastpress.client.fast.HasPressHandlers`

```
addPressHandler
```

Methods inherited from interface `com.google.gwt.event.shared.HasHandlers`

```
fireEvent
```

Methods inherited from interface `io.ashton.fastpress.client.fast.PressHandler`

```
onPress
```

Fields

as

```
protected nl.tue.fingerpaint.client.model.ApplicationState as
```

Reference to the model. Used to to retrieve the currently selected geometry

Constructors

LoadInitDistButton

```
public LoadInitDistButton(ApplicationState appState)
```

Construct a new button that can be used to load a previously saved initial concentration distribution.

Parameters:

appState - Reference to the model, used to retrieve the currently selected geometry.

Methods

onPress

```
public void onPress(io.ashton.fastpress.client.fast.PressEvent event)
```

Creates a panel with the names of all locally stored distributions.

Parameters:

event - The event that has fired.

nl.tue.fingerpaint.client.gui.buttons Class LoadProtocolButton

```

java.lang.Object
├── com.google.gwt.user.client.ui.UIObject
│   ├── com.google.gwt.user.client.ui.Widget
│   │   ├── com.google.gwt.user.client.ui.Composite
│   │   │   ├── io.ashton.fastpress.client.fast.FastPressElement
│   │   │   │   ├── nl.tue.fingerpaint.client.gui.buttons.FastButton
│   │   │   │   │   └── nl.tue.fingerpaint.client.gui.buttons.LoadProtocolButton

```

All Implemented Interfaces:

io.ashton.fastpress.client.fast.PressHandler, com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener, com.google.gwt.user.client.ui.IsRenderable, io.ashton.fastpress.client.fast.HasPressHandlers

public class **LoadProtocolButton**

extends [FastButton](#)

implements io.ashton.fastpress.client.fast.HasPressHandlers, com.google.gwt.user.client.ui.IsRenderable, com.google.gwt.user.client.EventListener, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.user.client.ui.HasVisibility, io.ashton.fastpress.client.fast.PressHandler

Button that can be used to load a protocol from the local storage.

Field Summary

| | |
|-----------|---|
| protected | as Reference to the model. |
|-----------|---|

Fields inherited from class com.google.gwt.user.client.ui.UIObject

DEBUG_ID_PREFIX

Constructor Summary

| | |
|--------|---|
| public | LoadProtocolButton (ApplicationState appState) Construct a new button that can be used to load a protocol from the local storage. |
|--------|---|

Method Summary

| | |
|------|---|
| void | onPress (io.ashton.fastpress.client.fast.PressEvent event) Creates a panel with the names of all locally stored distributions. |
|------|---|

Methods inherited from class [nl.tue.fingerpaint.client.gui.buttons.FastButton](#)

[getButton](#), [getElement](#), [onDisablePressStyle](#), [onEnablePressStyle](#), [onHoldPressDownStyle](#), [onHoldPressOffStyle](#), [setEnabled](#)

Methods inherited from class io.ashton.fastpress.client.fast.FastPressEvent

addPressHandler, getWidget, onBrowserEvent, onDisablePressStyle, onEnablePressStyle, onHoldPressDownStyle, onHoldPressOffStyle, setEnabled

Methods inherited from class com.google.gwt.user.client.ui.Composite

claimElement, getWidget, initializeClaimedElement, initWidget, isAttached, onAttach, onBrowserEvent, onDetach, render, render, resolvePotentialElement, setWidget

Methods inherited from class com.google.gwt.user.client.ui.Widget

addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget, asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren, doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached, isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload, removeFromParent, setLayoutData, sinkEvents

Methods inherited from class com.google.gwt.user.client.ui.UIObject

addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId, getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth, getStyleElement, getStyleName, getStyleName, getStylePrimaryName, getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId, removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement, setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName, setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString, unsinkEvents

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface com.google.gwt.user.client.ui.HasVisibility

isVisible, setVisible

Methods inherited from interface com.google.gwt.user.client.EventListener

onBrowserEvent

Methods inherited from interface com.google.gwt.event.logical.shared.HasAttachHandlers

addAttachHandler, isAttached

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.IsWidget

asWidget

Methods inherited from interface com.google.gwt.user.client.ui.IsRenderable

claimElement, initializeClaimedElement, render, render

Methods inherited from interface io.ashton.fastpress.client.fast.HasPressHandlers

addPressHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface io.ashton.fastpress.client.fast.PressHandler

onPress

Fields

asprotected nl.tue.fingerpaint.client.model.ApplicationState **as**

Reference to the model. Used to get the currently selected geometry.

Constructors

LoadProtocolButton

public **LoadProtocolButton**([ApplicationState](#) appState)

Construct a new button that can be used to load a protocol from the local storage.

Parameters:

appState - Reference to the model, used to retrieve the currently selected geometry.

Methods

onPress

public void **onPress**(io.ashton.fastpress.client.fast.PressEvent event)

Creates a panel with the names of all locally stored distributions.

Parameters:

event - The event that has fired.

nl.tue.fingerpaint.client.gui.buttons

Class LoadResultsButton

```

java.lang.Object
├── com.google.gwt.user.client.ui.UIObject
│   ├── com.google.gwt.user.client.ui.Widget
│   │   ├── com.google.gwt.user.client.ui.Composite
│   │   │   ├── io.ashton.fastpress.client.fast.FastPressElement
│   │   │   │   ├── nl.tue.fingerpaint.client.gui.buttons.FastButton
│   │   │   │       └── nl.tue.fingerpaint.client.gui.buttons.LoadResultsButton

```

All Implemented Interfaces:

io.ashton.fastpress.client.fast.PressHandler, com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener, com.google.gwt.user.client.ui.IsRenderable, io.ashton.fastpress.client.fast.HasPressHandlers

public class **LoadResultsButton**

extends [FastButton](#)

implements io.ashton.fastpress.client.fast.HasPressHandlers, com.google.gwt.user.client.ui.IsRenderable, com.google.gwt.user.client.EventListener, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.user.client.ui.HasVisibility, io.ashton.fastpress.client.fast.PressHandler

Button that can be used to load (and recompute) results from the local storage.

Fields inherited from class com.google.gwt.user.client.ui.UIObject

DEBUG_ID_PREFIX

Constructor Summary

| | |
|--------|---|
| public | LoadResultsButton() Construct a new button that can be used to load a result from the local storage. |
|--------|---|

Method Summary

| | |
|------|---|
| void | onPress (io.ashton.fastpress.client.fast.PressEvent event) Creates a panel with the names of all locally stored results. |
|------|---|

Methods inherited from class [nl.tue.fingerpaint.client.gui.buttons.FastButton](#)

[getButton](#), [getElement](#), [onDisablePressStyle](#), [onEnablePressStyle](#), [onHoldPressDownStyle](#), [onHoldPressOffStyle](#), [setEnabled](#)

Methods inherited from class io.ashton.fastpress.client.fast.FastPressElement

[addPressHandler](#), [getWidget](#), [onBrowserEvent](#), [onDisablePressStyle](#), [onEnablePressStyle](#), [onHoldPressDownStyle](#), [onHoldPressOffStyle](#), [setEnabled](#)

Methods inherited from class com.google.gwt.user.client.ui.Composite

claimElement, getWidget, initializeClaimedElement, initWidget, isAttached, onAttach, onBrowserEvent, onDetach, render, render, resolvePotentialElement, setWidget

Methods inherited from class com.google.gwt.user.client.ui.Widget

addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget, asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren, doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached, isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload, removeFromParent, setLayoutData, sinkEvents

Methods inherited from class com.google.gwt.user.client.ui.UIObject

addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId, getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth, getStyleElement, getStyleName, getStyleName, getStylePrimaryName, getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId, removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement, setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName, setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString, unsinkEvents

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface com.google.gwt.user.client.ui.HasVisibility

isVisible, setVisible

Methods inherited from interface com.google.gwt.user.client.EventListener

onBrowserEvent

Methods inherited from interface com.google.gwt.event.logical.shared.HasAttachHandlers

addAttachHandler, isAttached

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.IsWidget

asWidget

Methods inherited from interface com.google.gwt.user.client.ui.IsRenderable

claimElement, initializeClaimedElement, render, render

Methods inherited from interface io.ashton.fastpress.client.fast.HasPressHandlers

addPressHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

```
fireEvent
```

Methods inherited from interface `io.ashton.fastpress.client.fast.PressHandler`

```
onPress
```

Constructors

LoadResultsButton

```
public LoadResultsButton()
```

Construct a new button that can be used to load a result from the local storage.

Methods

onPress

```
public void onPress(io.ashton.fastpress.client.fast.PressEvent event)
```

Creates a panel with the names of all locally stored results.

Parameters:

`event` - The event that has fired.

nl.tue.fingerpaint.client.gui.buttons

Class MenuToggleButton

```

java.lang.Object
├── com.google.gwt.user.client.ui.UIObject
│   ├── com.google.gwt.user.client.ui.Widget
│   │   ├── com.google.gwt.user.client.ui.Composite
│   │   │   ├── io.ashton.fastpress.client.fast.FastPressElement
│   │   │   │   ├── nl.tue.fingerpaint.client.gui.buttons.FastButton
│   │   │   │       └── nl.tue.fingerpaint.client.gui.buttons.MenuToggleButton

```

All Implemented Interfaces:

io.ashton.fastpress.client.fast.PressHandler, com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener, com.google.gwt.user.client.ui.IsRenderable, io.ashton.fastpress.client.fast.HasPressHandlers

public class **MenuToggleButton**

extends [FastButton](#)

implements io.ashton.fastpress.client.fast.HasPressHandlers, com.google.gwt.user.client.ui.IsRenderable, com.google.gwt.user.client.EventListener, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.user.client.ui.HasVisibility, io.ashton.fastpress.client.fast.PressHandler

This button is used to show and hide the menu panel in the application.

| Field Summary | |
|---------------------|---|
| protected | buttonAnimation Animation to rotate the button. |
| public static final | DURATION How long the sliding animation takes. Value: 300 |
| public static final | ELEMENT_ID The ID of the button element. Value: menuToggleButton |
| public static final | HIDDEN_ANGLE At which angle the toggle button content is when the menu is hidden. Value: 0 |
| protected | menuAnimation Animation to hide menu panel. |
| protected | menuPanel The MenuPanel that is shown/hidden. |

| | |
|---------------------|---|
| protected | shown Indicate if the menu is shown or not. |
| public static final | SHOWN_ANGLE At which angle the toggle button content is when the menu is shown. Value: 135 |

Fields inherited from class [com.google.gwt.user.client.ui.UIObject](#)

DEBUG_ID_PREFIX

Constructor Summary

| | |
|--------|--|
| public | MenuToggleButton (com.google.gwt.user.client.ui.FlowPanel menuPanelWrapper) Construct a new MenuToggleButton . |
|--------|--|

Method Summary

| | |
|------|---|
| void | onPress (io.ashton.fastpress.client.fast.PressEvent event) Toggles the visibility of the main menu. |
| void | refreshMenuSize () Internally update the size of the element that is animated. |

Methods inherited from class [nl.tue.fingerpaint.client.gui.buttons.FastButton](#)

[getButton](#), [getElement](#), [onDisablePressStyle](#), [onEnablePressStyle](#), [onHoldPressDownStyle](#), [onHoldPressOffStyle](#), [setEnabled](#)

Methods inherited from class [io.ashton.fastpress.client.fast.FastPressElement](#)

[addPressHandler](#), [getWidget](#), [onBrowserEvent](#), [onDisablePressStyle](#), [onEnablePressStyle](#), [onHoldPressDownStyle](#), [onHoldPressOffStyle](#), [setEnabled](#)

Methods inherited from class [com.google.gwt.user.client.ui.Composite](#)

[claimElement](#), [getWidget](#), [initializeClaimedElement](#), [initWidget](#), [isAttached](#), [onAttach](#), [onBrowserEvent](#), [onDetach](#), [render](#), [render](#), [resolvePotentialElement](#), [setWidget](#)

Methods inherited from class [com.google.gwt.user.client.ui.Widget](#)

[addAttachHandler](#), [addBitlessDomHandler](#), [addDomHandler](#), [addHandler](#), [asWidget](#), [asWidgetOrNull](#), [createHandlerManager](#), [delegateEvent](#), [doAttachChildren](#), [doDetachChildren](#), [fireEvent](#), [getHandlerCount](#), [getLayoutData](#), [getParent](#), [isAttached](#), [isOrWasAttached](#), [onAttach](#), [onBrowserEvent](#), [onDetach](#), [onLoad](#), [onUnload](#), [removeFromParent](#), [setLayoutData](#), [sinkEvents](#)

Methods inherited from class [com.google.gwt.user.client.ui.UIObject](#)

```
addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId,
getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth,
getStyleElement, getStyleName, getStyleName, getStylePrimaryName,
getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId,
removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement,
setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName,
setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName,
setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString,
unsinkEvents
```

Methods inherited from class `java.lang.Object`

```
clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait,
wait
```

Methods inherited from interface `com.google.gwt.user.client.ui.HasVisibility`

```
isVisible, setVisible
```

Methods inherited from interface `com.google.gwt.user.client.EventListener`

```
onBrowserEvent
```

Methods inherited from interface `com.google.gwt.event.logical.shared.HasAttachHandlers`

```
addAttachHandler, isAttached
```

Methods inherited from interface `com.google.gwt.event.shared.HasHandlers`

```
fireEvent
```

Methods inherited from interface `com.google.gwt.user.client.ui.IsWidget`

```
asWidget
```

Methods inherited from interface `com.google.gwt.user.client.ui.IsRenderable`

```
claimElement, initializeClaimedElement, render, render
```

Methods inherited from interface `io.ashton.fastpress.client.fast.HasPressHandlers`

```
addPressHandler
```

Methods inherited from interface `com.google.gwt.event.shared.HasHandlers`

```
fireEvent
```

Methods inherited from interface `io.ashton.fastpress.client.fast.PressHandler`

```
onPress
```

Fields

(continued from last page)

ELEMENT_ID

```
public static final java.lang.String ELEMENT_ID
```

The ID of the button element.
Constant value: **menuToggleButton**

DURATION

```
public static final int DURATION
```

How long the sliding animation takes.
Constant value: **300**

HIDDEN_ANGLE

```
public static final int HIDDEN_ANGLE
```

At which angle the toggle button content is when the menu is hidden.
Constant value: **0**

SHOWN_ANGLE

```
public static final int SHOWN_ANGLE
```

At which angle the toggle button content is when the menu is shown.
Constant value: **135**

shown

```
protected boolean shown
```

Indicate if the menu is shown or not.

menuPanel

```
protected com.google.gwt.user.client.ui.FlowPanel menuPanel
```

The MenuPanel that is shown/hidden.

menuAnimation

```
protected nl.tue.fingerpaint.client.gui.animation.SizeAnimation menuAnimation
```

Animation to hide menu panel.

buttonAnimation

```
protected nl.tue.fingerpaint.client.gui.animation.RotationAnimation buttonAnimation
```

Animation to rotate the button.

Constructors

MenuToggleButton

```
public MenuToggleButton(com.google.gwt.user.client.ui.FlowPanel menuPanelWrapper)
```

(continued from last page)

Construct a new [MenuToggleButton](#).

Parameters:

menuPanelWrapper - The element to be animated.

Methods

onPress

```
public void onPress(io.ashton.fastpress.client.fast.PressEvent event)
```

Toggles the visibility of the main menu.

Parameters:

event - The event that has fired.

refreshMenuSize

```
public void refreshMenuSize()
```

Internally update the size of the element that is animated.

nl.tue.fingerpaint.client.gui.buttons

Class MixNowButton



All Implemented Interfaces:

io.ashton.fastpress.client.fast.PressHandler, com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener, com.google.gwt.user.client.ui.IsRenderable, io.ashton.fastpress.client.fast.HasPressHandlers

public class **MixNowButton**
extends [FastButton](#)
implements io.ashton.fastpress.client.fast.HasPressHandlers, com.google.gwt.user.client.ui.IsRenderable, com.google.gwt.user.client.EventListener, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.user.client.ui.HasVisibility, io.ashton.fastpress.client.fast.PressHandler

Button that can be used to execute the current mixing protocol.

Field Summary

| | |
|-----------|--|
| protected | as Reference to the model. |
| protected | fp Reference to the endpoint. |

| | |
|--|--|
| Fields inherited from class com.google.gwt.user.client.ui.UIObject | |
| DEBUG_ID_PREFIX | |

Constructor Summary

| | |
|--------|--|
| public | MixNowButton (Fingerpaint parent, ApplicationState appState) Construct a new button that can be used to execute the current mixing protocol. |
|--------|--|

Method Summary

| | |
|------|--|
| void | onPress (io.ashton.fastpress.client.fast.PressEvent event) Executes the mixing run with the currently defined protocol. |
|------|--|

| | |
|---|--|
| Methods inherited from class nl.tue.fingerpaint.client.gui.buttons.FastButton | |
|---|--|

[getButton](#), [getElement](#), [onDisablePressStyle](#), [onEnablePressStyle](#), [onHoldPressDownStyle](#), [onHoldPressOffStyle](#), [setEnabled](#)

Methods inherited from class `io.ashton.fastpress.client.fast.FastPressEvent`

`addPressHandler`, `getWidget`, `onBrowserEvent`, `onDisablePressStyle`, `onEnablePressStyle`, `onHoldPressDownStyle`, `onHoldPressOffStyle`, `setEnabled`

Methods inherited from class `com.google.gwt.user.client.ui.Composite`

`claimElement`, `getWidget`, `initializeClaimedElement`, `initWidget`, `isAttached`, `onAttach`, `onBrowserEvent`, `onDetach`, `render`, `render`, `resolvePotentialElement`, `setWidget`

Methods inherited from class `com.google.gwt.user.client.ui.Widget`

`addAttachHandler`, `addBitlessDomHandler`, `addDomHandler`, `addHandler`, `asWidget`, `asWidgetOrNull`, `createHandlerManager`, `delegateEvent`, `doAttachChildren`, `doDetachChildren`, `fireEvent`, `getHandlerCount`, `getLayoutData`, `getParent`, `isAttached`, `isOrWasAttached`, `onAttach`, `onBrowserEvent`, `onDetach`, `onLoad`, `onUnload`, `removeFromParent`, `setLayoutData`, `sinkEvents`

Methods inherited from class `com.google.gwt.user.client.ui.UIObject`

`addStyleDependentName`, `addStyleName`, `ensureDebugId`, `ensureDebugId`, `ensureDebugId`, `getAbsoluteLeft`, `getAbsoluteTop`, `getElement`, `getOffsetHeight`, `getOffsetWidth`, `getStyleElement`, `getStyleName`, `getStyleName`, `getStylePrimaryName`, `getStylePrimaryName`, `getTitle`, `isVisible`, `isVisible`, `onEnsureDebugId`, `removeStyleDependentName`, `removeStyleName`, `resolvePotentialElement`, `setElement`, `setElement`, `setHeight`, `setPixelSize`, `setSize`, `setStyleDependentName`, `setStyleName`, `setStyleName`, `setStyleName`, `setStylePrimaryName`, `setStylePrimaryName`, `setStylePrimaryName`, `setTitle`, `setVisible`, `setVisible`, `setWidth`, `sinkBitlessEvent`, `sinkEvents`, `toString`, `unsinkEvents`

Methods inherited from class `java.lang.Object`

`clone`, `equals`, `finalize`, `getClass`, `hashCode`, `notify`, `notifyAll`, `toString`, `wait`, `wait`, `wait`

Methods inherited from interface `com.google.gwt.user.client.ui.HasVisibility`

`isVisible`, `setVisible`

Methods inherited from interface `com.google.gwt.user.client.EventListener`

`onBrowserEvent`

Methods inherited from interface `com.google.gwt.event.logical.shared.HasAttachHandlers`

`addAttachHandler`, `isAttached`

Methods inherited from interface `com.google.gwt.event.shared.HasHandlers`

`fireEvent`

Methods inherited from interface `com.google.gwt.user.client.ui.IsWidget`

`asWidget`

Methods inherited from interface com.google.gwt.user.client.ui.IsRenderable

claimElement, initializeClaimedElement, render, render

Methods inherited from interface io.ashton.fastpress.client.fast.HasPressHandlers

addPressHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface io.ashton.fastpress.client.fast.PressHandler

onPress

Fields

fp

protected nl.tue.fingerpaint.client.Fingerpaint **fp**

Reference to the endpoint. Used to execute the current mixing protocol.

as

protected nl.tue.fingerpaint.client.model.ApplicationState **as**

Reference to the model. Used to retrieve the current mixing protocol from the endpoint.

Constructors

MixNowButton

```
public MixNowButton(Fingerpaint parent,
                   ApplicationState appState)
```

Construct a new button that can be used to execute the current mixing protocol.

Parameters:

parent - Reference to the endpoint, used to execute the current mixing protocol.

appState - Reference to the model, used to retrieve the current mixing protocol from the parent.

Methods

onPress

```
public void onPress(io.ashton.fastpress.client.fast.PressEvent event)
```

Executes the mixing run with the currently defined protocol.

Parameters:

event - The event that has fired.

nl.tue.fingerpaint.client.gui.buttons

Class NewCompareButton

```

java.lang.Object
├── com.google.gwt.user.client.ui.UIObject
│   ├── com.google.gwt.user.client.ui.Widget
│   │   ├── com.google.gwt.user.client.ui.Composite
│   │   │   ├── io.ashton.fastpress.client.fast.FastPressElement
│   │   │   │   ├── nl.tue.fingerpaint.client.gui.buttons.FastButton
│   │   │   │   │   └── nl.tue.fingerpaint.client.gui.buttons.NewCompareButton

```

All Implemented Interfaces:

io.ashton.fastpress.client.fast.PressHandler, com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener, com.google.gwt.user.client.ui.IsRenderable, io.ashton.fastpress.client.fast.HasPressHandlers

public class **NewCompareButton**

extends [FastButton](#)

implements io.ashton.fastpress.client.fast.HasPressHandlers, com.google.gwt.user.client.ui.IsRenderable, com.google.gwt.user.client.EventListener, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.user.client.ui.HasVisibility, io.ashton.fastpress.client.fast.PressHandler

Button that can be used to start a new comparison.

Fields inherited from class com.google.gwt.user.client.ui.UIObject

DEBUG_ID_PREFIX

Constructor Summary

| | |
|--------|--|
| public | NewCompareButton() Construct a new button that can be used to start a new comparison. |
|--------|--|

Method Summary

| | |
|------|---|
| void | onPress (io.ashton.fastpress.client.fast.PressEvent event) Clears all previously selected results. |
|------|---|

Methods inherited from class [nl.tue.fingerpaint.client.gui.buttons.FastButton](#)

[getButton](#), [getElement](#), [onDisablePressStyle](#), [onEnablePressStyle](#), [onHoldPressDownStyle](#), [onHoldPressOffStyle](#), [setEnabled](#)

Methods inherited from class io.ashton.fastpress.client.fast.FastPressElement

[addPressHandler](#), [getWidget](#), [onBrowserEvent](#), [onDisablePressStyle](#), [onEnablePressStyle](#), [onHoldPressDownStyle](#), [onHoldPressOffStyle](#), [setEnabled](#)

Methods inherited from class com.google.gwt.user.client.ui.Composite

claimElement, getWidget, initializeClaimedElement, initWidget, isAttached, onAttach, onBrowserEvent, onDetach, render, render, resolvePotentialElement, setWidget

Methods inherited from class com.google.gwt.user.client.ui.Widget

addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget, asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren, doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached, isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload, removeFromParent, setLayoutData, sinkEvents

Methods inherited from class com.google.gwt.user.client.ui.UIObject

addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId, getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth, getStyleElement, getStyleName, getStyleName, getStylePrimaryName, getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId, removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement, setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName, setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString, unsinkEvents

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface com.google.gwt.user.client.ui.HasVisibility

isVisible, setVisible

Methods inherited from interface com.google.gwt.user.client.EventListener

onBrowserEvent

Methods inherited from interface com.google.gwt.event.logical.shared.HasAttachHandlers

addAttachHandler, isAttached

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.IsWidget

asWidget

Methods inherited from interface com.google.gwt.user.client.ui.IsRenderable

claimElement, initializeClaimedElement, render, render

Methods inherited from interface io.ashton.fastpress.client.fast.HasPressHandlers

addPressHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

```
fireEvent
```

Methods inherited from interface `io.ashton.fastpress.client.fast.PressHandler`

```
onPress
```

Constructors

NewCompareButton

```
public NewCompareButton()
```

Construct a new button that can be used to start a new comparison. When clicked, it closes [GuiState.comparePopupPanel](#) and opens [GuiState.compareSelectPopupPanel](#).

Methods

onPress

```
public void onPress(io.ashton.fastpress.client.fast.PressEvent event)
```

Clears all previously selected results.

Parameters:

`event` - The event that has fired.

nl.tue.fingerpaint.client.gui.buttons

Class OverwriteSaveButton

```

java.lang.Object
├── com.google.gwt.user.client.ui.UIObject
│   ├── com.google.gwt.user.client.ui.Widget
│   │   ├── com.google.gwt.user.client.ui.Composite
│   │   │   ├── io.ashton.fastpress.client.fast.FastPressElement
│   │   │   │   ├── nl.tue.fingerpaint.client.gui.buttons.FastButton
│   │   │   │   │   └── nl.tue.fingerpaint.client.gui.buttons.OverwriteSaveButton

```

All Implemented Interfaces:

io.ashton.fastpress.client.fast.PressHandler, com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener, com.google.gwt.user.client.ui.IsRenderable, io.ashton.fastpress.client.fast.HasPressHandlers

public class **OverwriteSaveButton**

extends [FastButton](#)

implements io.ashton.fastpress.client.fast.HasPressHandlers, com.google.gwt.user.client.ui.IsRenderable, com.google.gwt.user.client.EventListener, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.user.client.ui.HasVisibility, io.ashton.fastpress.client.fast.PressHandler

Button that can be used to overwrite the item that is currently being saved.

Field Summary

| | |
|-----------|--|
| protected | fp Reference to the endpoint. |
|-----------|--|

Fields inherited from class com.google.gwt.user.client.ui.UIObject

DEBUG_ID_PREFIX

Constructor Summary

| | |
|--------|---|
| public | OverwriteSaveButton (Fingerpaint parent) Construct a new button that can be used to overwrite the item that is currently being saved. |
|--------|---|

Method Summary

| | |
|------|---|
| void | onPress (io.ashton.fastpress.client.fast.PressEvent event) Saves the selected item, shows a notification panel indicating success and hides the overwrite panel. |
|------|---|

Methods inherited from class [nl.tue.fingerpaint.client.gui.buttons.FastButton](#)

[getButton](#), [getElement](#), [onDisablePressStyle](#), [onEnablePressStyle](#), [onHoldPressDownStyle](#), [onHoldPressOffStyle](#), [setEnabled](#)

Methods inherited from class io.ashton.fastpress.client.fast.FastPressEvent

addPressHandler, getWidget, onBrowserEvent, onDisablePressStyle, onEnablePressStyle, onHoldPressDownStyle, onHoldPressOffStyle, setEnabled

Methods inherited from class com.google.gwt.user.client.ui.Composite

claimElement, getWidget, initializeClaimedElement, initWidget, isAttached, onAttach, onBrowserEvent, onDetach, render, render, resolvePotentialElement, setWidget

Methods inherited from class com.google.gwt.user.client.ui.Widget

addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget, asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren, doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached, isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload, removeFromParent, setLayoutData, sinkEvents

Methods inherited from class com.google.gwt.user.client.ui.UIObject

addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId, getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth, getStyleElement, getStyleName, getStyleName, getStylePrimaryName, getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId, removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement, setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName, setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString, unsinkEvents

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface com.google.gwt.user.client.ui.HasVisibility

isVisible, setVisible

Methods inherited from interface com.google.gwt.user.client.EventListener

onBrowserEvent

Methods inherited from interface com.google.gwt.event.logical.shared.HasAttachHandlers

addAttachHandler, isAttached

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.IsWidget

asWidget

Methods inherited from interface com.google.gwt.user.client.ui.IsRenderable


```
claimElement, initializeClaimedElement, render, render
```

Methods inherited from interface io.ashton.fastpress.client.fast.HasPressHandlers

```
addPressHandler
```

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

```
fireEvent
```

Methods inherited from interface io.ashton.fastpress.client.fast.PressHandler

```
onPress
```

Fields

fp

protected nl.tue.fingerpaint.client.Fingerprint **fp**

Reference to the endpoint. Used to overwrite the item that is currently being saved.

Constructors

OverwriteSaveButton

public **OverwriteSaveButton**([Fingerprint](#) parent)

Construct a new button that can be used to overwrite the item that is currently being saved. It also shows a dialogue if the save has been successful and hides the overwrite save panel.

Parameters:

parent - Reference to the endpoint, used to overwrite the item that is currently being saved.

Methods

onPress

public void **onPress**(io.ashton.fastpress.client.fast.PressEvent event)

Saves the selected item, shows a notification panel indicating success and hides the overwrite panel.

Parameters:

event - The event that has fired.

nl.tue.fingerpaint.client.gui.buttons

Class ProtocolsButton

```

java.lang.Object
├── com.google.gwt.user.client.ui.UIObject
│   ├── com.google.gwt.user.client.ui.Widget
│   │   ├── com.google.gwt.user.client.ui.Composite
│   │   │   ├── io.ashton.fastpress.client.fast.FastPressElement
│   │   │   │   ├── nl.tue.fingerpaint.client.gui.buttons.FastButton
│   │   │   │   │   └── nl.tue.fingerpaint.client.gui.buttons.ProtocolsButton

```

All Implemented Interfaces:

io.ashton.fastpress.client.fast.PressHandler, com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener, com.google.gwt.user.client.ui.IsRenderable, io.ashton.fastpress.client.fast.HasPressHandlers

public class **ProtocolsButton**

extends [FastButton](#)

implements io.ashton.fastpress.client.fast.HasPressHandlers, com.google.gwt.user.client.ui.IsRenderable, com.google.gwt.user.client.EventListener, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.user.client.ui.HasVisibility, io.ashton.fastpress.client.fast.PressHandler

Button that can be used to enter the submenu with protocols related actions.

Fields inherited from class com.google.gwt.user.client.ui.UIObject

DEBUG_ID_PREFIX

Constructor Summary

public

[ProtocolsButton](#)()

Construct a new button that can be used to enter the submenu with distribution related actions.

Method Summary

void

[onPress](#)(io.ashton.fastpress.client.fast.PressEvent event)

Enter the submenu with distribution related actions.

Methods inherited from class [nl.tue.fingerpaint.client.gui.buttons.FastButton](#)

[getButton](#), [getElement](#), [onDisablePressStyle](#), [onEnablePressStyle](#), [onHoldPressDownStyle](#), [onHoldPressOffStyle](#), [setEnabled](#)

Methods inherited from class io.ashton.fastpress.client.fast.FastPressElement

[addPressHandler](#), [getWidget](#), [onBrowserEvent](#), [onDisablePressStyle](#), [onEnablePressStyle](#), [onHoldPressDownStyle](#), [onHoldPressOffStyle](#), [setEnabled](#)

Methods inherited from class com.google.gwt.user.client.ui.Composite

claimElement, getWidget, initializeClaimedElement, initWidget, isAttached, onAttach, onBrowserEvent, onDetach, render, render, resolvePotentialElement, setWidget

Methods inherited from class com.google.gwt.user.client.ui.Widget

addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget, asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren, doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached, isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload, removeFromParent, setLayoutData, sinkEvents

Methods inherited from class com.google.gwt.user.client.ui.UIObject

addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId, getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth, getStyleElement, getStyleName, getStyleName, getStylePrimaryName, getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId, removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement, setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName, setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString, unsinkEvents

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface com.google.gwt.user.client.ui.HasVisibility

isVisible, setVisible

Methods inherited from interface com.google.gwt.user.client.EventListener

onBrowserEvent

Methods inherited from interface com.google.gwt.event.logical.shared.HasAttachHandlers

addAttachHandler, isAttached

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.IsWidget

asWidget

Methods inherited from interface com.google.gwt.user.client.ui.IsRenderable

claimElement, initializeClaimedElement, render, render

Methods inherited from interface io.ashton.fastpress.client.fast.HasPressHandlers

addPressHandler

Methods inherited from interface `com.google.gwt.event.shared.HasHandlers`

`fireEvent`

Methods inherited from interface `io.ashton.fastpress.client.fast.PressHandler`

`onPress`

Constructors

ProtocolsButton

```
public ProtocolsButton()
```

Construct a new button that can be used to enter the submenu with distribution related actions.

Methods

onPress

```
public void onPress(io.ashton.fastpress.client.fast.PressEvent event)
```

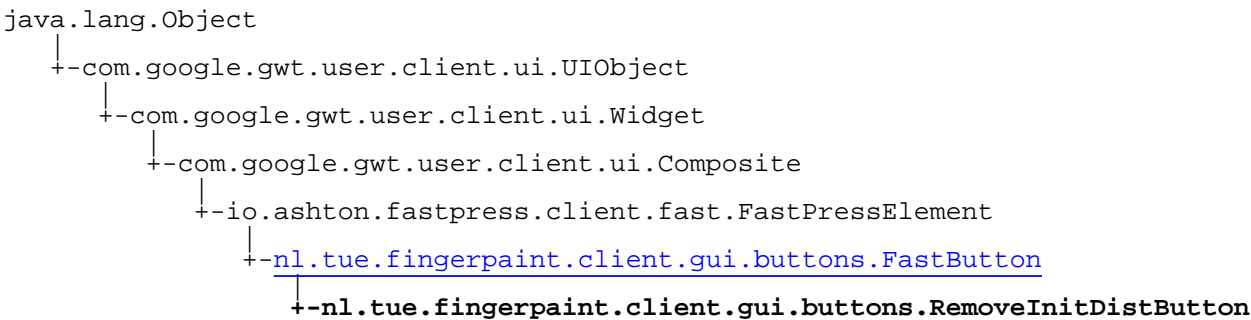
Enter the submenu with distribution related actions.

Parameters:

`event` - The event that has fired.

nl.tue.fingerpaint.client.gui.buttons

Class RemoveInitDistButton



All Implemented Interfaces:
io.ashton.fastpress.client.fast.PressHandler, com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener, com.google.gwt.user.client.ui.IsRenderable, io.ashton.fastpress.client.fast.HasPressHandlers

public class **RemoveInitDistButton**
extends [FastButton](#)
implements io.ashton.fastpress.client.fast.HasPressHandlers, com.google.gwt.user.client.ui.IsRenderable, com.google.gwt.user.client.EventListener, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.user.client.ui.HasVisibility, io.ashton.fastpress.client.fast.PressHandler

Button to initiate the removal of an initial distribution.

| Field Summary | |
|---------------|---|
| protected | as Reference to the model. |

| Fields inherited from class com.google.gwt.user.client.ui.UIObject | |
|--|--|
| DEBUG_ID_PREFIX | |

| Constructor Summary | |
|---------------------|--|
| public | RemoveInitDistButton (ApplicationState appState) Construct a new button that can be used to initiate the removal of an initial distribution. |

| Method Summary | |
|----------------|--|
| void | onPress (io.ashton.fastpress.client.fast.PressEvent event) Creates a popup panel showing all saved initial distributions. |

| Methods inherited from class nl.tue.fingerpaint.client.gui.buttons.FastButton | |
|---|--|
| getButton , getElement , onDisablePressStyle , onEnablePressStyle , onHoldPressDownStyle , onHoldPressOffStyle , setEnabled | |

Methods inherited from class io.ashton.fastpress.client.fast.FastPressEvent

addPressHandler, getWidget, onBrowserEvent, onDisablePressStyle, onEnablePressStyle, onHoldPressDownStyle, onHoldPressOffStyle, setEnabled

Methods inherited from class com.google.gwt.user.client.ui.Composite

claimElement, getWidget, initializeClaimedElement, initWidget, isAttached, onAttach, onBrowserEvent, onDetach, render, render, resolvePotentialElement, setWidget

Methods inherited from class com.google.gwt.user.client.ui.Widget

addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget, asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren, doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached, isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload, removeFromParent, setLayoutData, sinkEvents

Methods inherited from class com.google.gwt.user.client.ui.UIObject

addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId, getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth, getStyleElement, getStyleName, getStyleName, getStylePrimaryName, getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId, removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement, setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName, setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString, unsinkEvents

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface com.google.gwt.user.client.ui.HasVisibility

isVisible, setVisible

Methods inherited from interface com.google.gwt.user.client.EventListener

onBrowserEvent

Methods inherited from interface com.google.gwt.event.logical.shared.HasAttachHandlers

addAttachHandler, isAttached

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.IsWidget

asWidget

Methods inherited from interface com.google.gwt.user.client.ui.IsRenderable

claimElement, initializeClaimedElement, render, render

Methods inherited from interface io.ashton.fastpress.client.fast.HasPressHandlers

addPressHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface io.ashton.fastpress.client.fast.PressHandler

onPress

Fields

asprotected nl.tue.fingerpaint.client.model.ApplicationState **as**

Reference to the model. Used to get the saved protocols for the current geometry.

Constructors

RemoveInitDistButtonpublic **RemoveInitDistButton**([ApplicationState](#) appState)

Construct a new button that can be used to initiate the removal of an initial distribution.

Parameters:

appState - Reference to the model, used to get the currently selected geometry, which in turn is used in the local storage.

Methods

onPresspublic void **onPress**(io.ashton.fastpress.client.fast.PressEvent event)

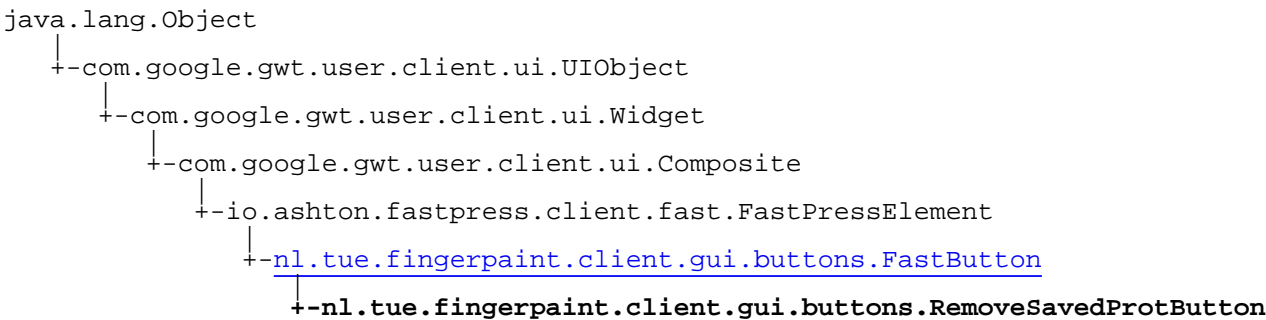
Creates a popup panel showing all saved initial distributions.

Parameters:

event - The event that has fired.

nl.tue.fingerpaint.client.gui.buttons

Class RemoveSavedProtButton



All Implemented Interfaces:
io.ashton.fastpress.client.fast.PressHandler, com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener, com.google.gwt.user.client.ui.IsRenderable, io.ashton.fastpress.client.fast.HasPressHandlers

public class **RemoveSavedProtButton**
extends [FastButton](#)
implements io.ashton.fastpress.client.fast.HasPressHandlers, com.google.gwt.user.client.ui.IsRenderable, com.google.gwt.user.client.EventListener, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.user.client.ui.HasVisibility, io.ashton.fastpress.client.fast.PressHandler

Button to initiate the removal of a saved mixing protocol

| Field Summary | |
|---------------|---|
| protected | as Reference to the model. |

| Fields inherited from class com.google.gwt.user.client.ui.UIObject | |
|--|--|
| DEBUG_ID_PREFIX | |

| Constructor Summary | |
|---------------------|--|
| public | RemoveSavedProtButton (ApplicationState appState) Construct a new button that can be used to initiate the removal of a saved mixing protocol |

| Method Summary | |
|----------------|--|
| void | onPress (io.ashton.fastpress.client.fast.PressEvent event) Creates a popup panel showing all saved protocols. |

| Methods inherited from class nl.tue.fingerpaint.client.gui.buttons.FastButton | |
|---|--|
| getButton , getElement , onDisablePressStyle , onEnablePressStyle , onHoldPressDownStyle , onHoldPressOffStyle , setEnabled | |

Methods inherited from class io.ashton.fastpress.client.fast.FastPressEvent

addPressHandler, getWidget, onBrowserEvent, onDisablePressStyle, onEnablePressStyle, onHoldPressDownStyle, onHoldPressOffStyle, setEnabled

Methods inherited from class com.google.gwt.user.client.ui.Composite

claimElement, getWidget, initializeClaimedElement, initWidget, isAttached, onAttach, onBrowserEvent, onDetach, render, render, resolvePotentialElement, setWidget

Methods inherited from class com.google.gwt.user.client.ui.Widget

addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget, asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren, doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached, isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload, removeFromParent, setLayoutData, sinkEvents

Methods inherited from class com.google.gwt.user.client.ui.UIObject

addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId, getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth, getStyleElement, getStyleName, getStyleName, getStylePrimaryName, getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId, removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement, setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName, setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString, unsinkEvents

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface com.google.gwt.user.client.ui.HasVisibility

isVisible, setVisible

Methods inherited from interface com.google.gwt.user.client.EventListener

onBrowserEvent

Methods inherited from interface com.google.gwt.event.logical.shared.HasAttachHandlers

addAttachHandler, isAttached

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.IsWidget

asWidget

Methods inherited from interface com.google.gwt.user.client.ui.IsRenderable

claimElement, initializeClaimedElement, render, render

Methods inherited from interface io.ashton.fastpress.client.fast.HasPressHandlers

addPressHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface io.ashton.fastpress.client.fast.PressHandler

onPress

Fields

asprotected nl.tue.fingerpaint.client.model.ApplicationState **as**

Reference to the model. Used to get the saved protocols for the current geometry.

Constructors

RemoveSavedProtButtonpublic **RemoveSavedProtButton**([ApplicationState](#) appState)

Construct a new button that can be used to initiate the removal of a saved mixing protocol

Parameters:

appState - Reference to the model, used to get the currently selected geometry, which in turn is used in the local storage.

Methods

onPresspublic void **onPress**(io.ashton.fastpress.client.fast.PressEvent event)

Creates a popup panel showing all saved protocols.

Parameters:

event - The event that has fired.

nl.tue.fingerpaint.client.gui.buttons

Class RemoveSavedResultsButton

```

java.lang.Object
├── com.google.gwt.user.client.ui.UIObject
│   ├── com.google.gwt.user.client.ui.Widget
│   │   ├── com.google.gwt.user.client.ui.Composite
│   │   │   ├── io.ashton.fastpress.client.fast.FastPressElement
│   │   │   │   ├── nl.tue.fingerpaint.client.gui.buttons.FastButton
│   │   │   │       └── nl.tue.fingerpaint.client.gui.buttons.RemoveSavedResultsButton

```

All Implemented Interfaces:

io.ashton.fastpress.client.fast.PressHandler, com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener, com.google.gwt.user.client.ui.IsRenderable, io.ashton.fastpress.client.fast.HasPressHandlers

public class **RemoveSavedResultsButton**

extends [FastButton](#)

implements io.ashton.fastpress.client.fast.HasPressHandlers, com.google.gwt.user.client.ui.IsRenderable, com.google.gwt.user.client.EventListener, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.user.client.ui.HasVisibility, io.ashton.fastpress.client.fast.PressHandler

Button that can be used to remove previously saved mixing results.

Fields inherited from class com.google.gwt.user.client.ui.UIObject

DEBUG_ID_PREFIX

Constructor Summary

| | |
|--------|--|
| public | RemoveSavedResultsButton() Construct a new button that can be used to remove previously saved mixing results. |
|--------|--|

Method Summary

| | |
|------|---|
| void | onPress(io.ashton.fastpress.client.fast.PressEvent event) Creates a popup panel showing all saved results. |
|------|---|

Methods inherited from class [nl.tue.fingerpaint.client.gui.buttons.FastButton](#)

[getButton](#), [getElement](#), [onDisablePressStyle](#), [onEnablePressStyle](#), [onHoldPressDownStyle](#), [onHoldPressOffStyle](#), [setEnabled](#)

Methods inherited from class io.ashton.fastpress.client.fast.FastPressElement

[addPressHandler](#), [getWidget](#), [onBrowserEvent](#), [onDisablePressStyle](#), [onEnablePressStyle](#), [onHoldPressDownStyle](#), [onHoldPressOffStyle](#), [setEnabled](#)

Methods inherited from class com.google.gwt.user.client.ui.Composite

claimElement, getWidget, initializeClaimedElement, initWidget, isAttached, onAttach, onBrowserEvent, onDetach, render, render, resolvePotentialElement, setWidget

Methods inherited from class com.google.gwt.user.client.ui.Widget

addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget, asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren, doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached, isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload, removeFromParent, setLayoutData, sinkEvents

Methods inherited from class com.google.gwt.user.client.ui.UIObject

addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId, getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth, getStyleElement, getStyleName, getStyleName, getStylePrimaryName, getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId, removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement, setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName, setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString, unsinkEvents

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface com.google.gwt.user.client.ui.HasVisibility

isVisible, setVisible

Methods inherited from interface com.google.gwt.user.client.EventListener

onBrowserEvent

Methods inherited from interface com.google.gwt.event.logical.shared.HasAttachHandlers

addAttachHandler, isAttached

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.IsWidget

asWidget

Methods inherited from interface com.google.gwt.user.client.ui.IsRenderable

claimElement, initializeClaimedElement, render, render

Methods inherited from interface io.ashton.fastpress.client.fast.HasPressHandlers

addPressHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

```
fireEvent
```

Methods inherited from interface `io.ashton.fastpress.client.fast.PressHandler`

```
onPress
```

Constructors

RemoveSavedResultsButton

```
public RemoveSavedResultsButton()
```

Construct a new button that can be used to remove previously saved mixing results.

Methods

onPress

```
public void onPress(io.ashton.fastpress.client.fast.PressEvent event)
```

Creates a popup panel showing all saved results.

Parameters:

`event` - The event that has fired.

nl.tue.fingerpaint.client.gui.buttons

Class ResetDistButton

```

java.lang.Object
├── com.google.gwt.user.client.ui.UIObject
│   ├── com.google.gwt.user.client.ui.Widget
│   │   ├── com.google.gwt.user.client.ui.Composite
│   │   │   ├── io.ashton.fastpress.client.fast.FastPressElement
│   │   │   │   ├── nl.tue.fingerpaint.client.gui.buttons.FastButton
│   │   │   │       └── nl.tue.fingerpaint.client.gui.buttons.ResetDistButton

```

All Implemented Interfaces:

io.ashton.fastpress.client.fast.PressHandler, com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener, com.google.gwt.user.client.ui.IsRenderable, io.ashton.fastpress.client.fast.HasPressHandlers

public class **ResetDistButton**

extends [FastButton](#)

implements io.ashton.fastpress.client.fast.HasPressHandlers, com.google.gwt.user.client.ui.IsRenderable, com.google.gwt.user.client.EventListener, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.user.client.ui.HasVisibility, io.ashton.fastpress.client.fast.PressHandler

Button to reset the current distribution to completely white.

Field Summary

| | |
|-----------|---|
| protected | as Reference to the model. |
|-----------|---|

Fields inherited from class com.google.gwt.user.client.ui.UIObject

DEBUG_ID_PREFIX

Constructor Summary

| | |
|--------|---|
| public | ResetDistButton (ApplicationState appState) Construct a new button that can be used to reset the current concentration distribution to a completely white distribution. |
|--------|---|

Method Summary

| | |
|------|---|
| void | onPress (io.ashton.fastpress.client.fast.PressEvent event) Resets the distribution to a completely white distribution. |
|------|---|

Methods inherited from class [nl.tue.fingerpaint.client.gui.buttons.FastButton](#)

[getButton](#), [getElement](#), [onDisablePressStyle](#), [onEnablePressStyle](#), [onHoldPressDownStyle](#), [onHoldPressOffStyle](#), [setEnabled](#)

Methods inherited from class io.ashton.fastpress.client.fast.FastPressEvent

addPressHandler, getWidget, onBrowserEvent, onDisablePressStyle, onEnablePressStyle, onHoldPressDownStyle, onHoldPressOffStyle, setEnabled

Methods inherited from class com.google.gwt.user.client.ui.Composite

claimElement, getWidget, initializeClaimedElement, initWidget, isAttached, onAttach, onBrowserEvent, onDetach, render, render, resolvePotentialElement, setWidget

Methods inherited from class com.google.gwt.user.client.ui.Widget

addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget, asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren, doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached, isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload, removeFromParent, setLayoutData, sinkEvents

Methods inherited from class com.google.gwt.user.client.ui.UIObject

addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId, getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth, getStyleElement, getStyleName, getStyleName, getStylePrimaryName, getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId, removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement, setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName, setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString, unsinkEvents

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface com.google.gwt.user.client.ui.HasVisibility

isVisible, setVisible

Methods inherited from interface com.google.gwt.user.client.EventListener

onBrowserEvent

Methods inherited from interface com.google.gwt.event.logical.shared.HasAttachHandlers

addAttachHandler, isAttached

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.IsWidget

asWidget

Methods inherited from interface com.google.gwt.user.client.ui.IsRenderable

```
claimElement, initializeClaimedElement, render, render
```

Methods inherited from interface `io.ashton.fastpress.client.fast.HasPressHandlers`

```
addPressHandler
```

Methods inherited from interface `com.google.gwt.event.shared.HasHandlers`

```
fireEvent
```

Methods inherited from interface `io.ashton.fastpress.client.fast.PressHandler`

```
onPress
```

Fields

as

```
protected nl.tue.fingerpaint.client.model.ApplicationState as
```

Reference to the model. Used to reset the current distribution.

Constructors

ResetDistButton

```
public ResetDistButton(ApplicationState appState)
```

Construct a new button that can be used to reset the current concentration distribution to a completely white distribution.

Parameters:

`appState` - Reference to the model, used to reset the current distribution to completely white.

Methods

onPress

```
public void onPress(io.ashton.fastpress.client.fast.PressEvent event)
```

Resets the distribution to a completely white distribution.

Parameters:

`event` - The event that has fired.

nl.tue.fingerpaint.client.gui.buttons

Class ResetProtocolButton

```

java.lang.Object
├── com.google.gwt.user.client.ui.UIObject
│   ├── com.google.gwt.user.client.ui.Widget
│   │   ├── com.google.gwt.user.client.ui.Composite
│   │   │   ├── io.ashton.fastpress.client.fast.FastPressElement
│   │   │   │   ├── nl.tue.fingerpaint.client.gui.buttons.FastButton
│   │   │   │   │   └── nl.tue.fingerpaint.client.gui.buttons.ResetProtocolButton

```

All Implemented Interfaces:

io.ashton.fastpress.client.fast.PressHandler, com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener, com.google.gwt.user.client.ui.IsRenderable, io.ashton.fastpress.client.fast.HasPressHandlers

public class **ResetProtocolButton**

extends [FastButton](#)

implements io.ashton.fastpress.client.fast.HasPressHandlers, com.google.gwt.user.client.ui.IsRenderable, com.google.gwt.user.client.EventListener, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.user.client.ui.HasVisibility, io.ashton.fastpress.client.fast.PressHandler

Button to reset the current mixing protocol.

Field Summary

| | |
|-----------|--|
| protected | fp Reference to the entrypoint. |
|-----------|--|

Fields inherited from class com.google.gwt.user.client.ui.UIObject

DEBUG_ID_PREFIX

Constructor Summary

| | |
|--------|---|
| public | ResetProtocolButton (Fingerpaint parent) Construct a new button that can be used to reset the current mixing protocol and hide all related widgets. |
|--------|---|

Method Summary

| | |
|------|---|
| void | onPress (io.ashton.fastpress.client.fast.PressEvent event) Resets the protocol to empty. |
|------|---|

Methods inherited from class [nl.tue.fingerpaint.client.gui.buttons.FastButton](#)

[getButton](#), [getElement](#), [onDisablePressStyle](#), [onEnablePressStyle](#), [onHoldPressDownStyle](#), [onHoldPressOffStyle](#), [setEnabled](#)

Methods inherited from class io.ashton.fastpress.client.fast.FastPressEvent

addPressHandler, getWidget, onBrowserEvent, onDisablePressStyle, onEnablePressStyle, onHoldPressDownStyle, onHoldPressOffStyle, setEnabled

Methods inherited from class com.google.gwt.user.client.ui.Composite

claimElement, getWidget, initializeClaimedElement, initWidget, isAttached, onAttach, onBrowserEvent, onDetach, render, render, resolvePotentialElement, setWidget

Methods inherited from class com.google.gwt.user.client.ui.Widget

addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget, asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren, doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached, isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload, removeFromParent, setLayoutData, sinkEvents

Methods inherited from class com.google.gwt.user.client.ui.UIObject

addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId, getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth, getStyleElement, getStyleName, getStyleName, getStylePrimaryName, getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId, removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement, setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName, setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString, unsinkEvents

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface com.google.gwt.user.client.ui.HasVisibility

isVisible, setVisible

Methods inherited from interface com.google.gwt.user.client.EventListener

onBrowserEvent

Methods inherited from interface com.google.gwt.event.logical.shared.HasAttachHandlers

addAttachHandler, isAttached

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.IsWidget

asWidget

Methods inherited from interface com.google.gwt.user.client.ui.IsRenderable

```
claimElement, initializeClaimedElement, render, render
```

Methods inherited from interface `io.ashton.fastpress.client.fast.HasPressHandlers`

```
addPressHandler
```

Methods inherited from interface `com.google.gwt.event.shared.HasHandlers`

```
fireEvent
```

Methods inherited from interface `io.ashton.fastpress.client.fast.PressHandler`

```
onPress
```

Fields

fp

protected `nl.tue.fingerpaint.client.Fingerpaint` **fp**

Reference to the endpoint. Used to reset the protocol and hide all related widgets.

Constructors

ResetProtocolButton

```
public ResetProtocolButton(Fingerpaint parent)
```

Construct a new button that can be used to reset the current mixing protocol and hide all related widgets.

Parameters:

parent - Reference to the endpoint, used to reset the current mixing protocol and all related widgets.

Methods

onPress

```
public void onPress(io.ashton.fastpress.client.fast.PressEvent event)
```

Resets the protocol to empty.

Parameters:

event - The event that has fired.

nl.tue.fingerpaint.client.gui.buttons

Class ResultsButton

```

java.lang.Object
├── com.google.gwt.user.client.ui.UIObject
│   ├── com.google.gwt.user.client.ui.Widget
│   │   ├── com.google.gwt.user.client.ui.Composite
│   │   │   ├── io.ashton.fastpress.client.fast.FastPressElement
│   │   │   │   ├── nl.tue.fingerpaint.client.gui.buttons.FastButton
│   │   │   │   │   └── nl.tue.fingerpaint.client.gui.buttons.ResultsButton

```

All Implemented Interfaces:

io.ashton.fastpress.client.fast.PressHandler, com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener, com.google.gwt.user.client.ui.IsRenderable, io.ashton.fastpress.client.fast.HasPressHandlers

public class **ResultsButton**

extends [FastButton](#)

implements io.ashton.fastpress.client.fast.HasPressHandlers, com.google.gwt.user.client.ui.IsRenderable, com.google.gwt.user.client.EventListener, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.user.client.ui.HasVisibility, io.ashton.fastpress.client.fast.PressHandler

Button that can be used to enter the submenu with results related actions.

Fields inherited from class com.google.gwt.user.client.ui.UIObject

DEBUG_ID_PREFIX

Constructor Summary

public

[ResultsButton](#)()

Construct a new button that can be used to enter the submenu with distribution related actions.

Method Summary

void

[onPress](#)(io.ashton.fastpress.client.fast.PressEvent event)

Enter the submenu with distribution related actions.

Methods inherited from class [nl.tue.fingerpaint.client.gui.buttons.FastButton](#)

[getButton](#), [getElement](#), [onDisablePressStyle](#), [onEnablePressStyle](#), [onHoldPressDownStyle](#), [onHoldPressOffStyle](#), [setEnabled](#)

Methods inherited from class io.ashton.fastpress.client.fast.FastPressElement

[addPressHandler](#), [getWidget](#), [onBrowserEvent](#), [onDisablePressStyle](#), [onEnablePressStyle](#), [onHoldPressDownStyle](#), [onHoldPressOffStyle](#), [setEnabled](#)

Methods inherited from class com.google.gwt.user.client.ui.Composite

claimElement, getWidget, initializeClaimedElement, initWidget, isAttached, onAttach, onBrowserEvent, onDetach, render, render, resolvePotentialElement, setWidget

Methods inherited from class com.google.gwt.user.client.ui.Widget

addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget, asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren, doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached, isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload, removeFromParent, setLayoutData, sinkEvents

Methods inherited from class com.google.gwt.user.client.ui.UIObject

addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId, getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth, getStyleElement, getStyleName, getStyleName, getStylePrimaryName, getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId, removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement, setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName, setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString, unsinkEvents

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface com.google.gwt.user.client.ui.HasVisibility

isVisible, setVisible

Methods inherited from interface com.google.gwt.user.client.EventListener

onBrowserEvent

Methods inherited from interface com.google.gwt.event.logical.shared.HasAttachHandlers

addAttachHandler, isAttached

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.IsWidget

asWidget

Methods inherited from interface com.google.gwt.user.client.ui.IsRenderable

claimElement, initializeClaimedElement, render, render

Methods inherited from interface io.ashton.fastpress.client.fast.HasPressHandlers

addPressHandler

Methods inherited from interface `com.google.gwt.event.shared.HasHandlers`

`fireEvent`

Methods inherited from interface `io.ashton.fastpress.client.fast.PressHandler`

`onPress`

Constructors

ResultsButton

```
public ResultsButton()
```

Construct a new button that can be used to enter the submenu with distribution related actions.

Methods

onPress

```
public void onPress(io.ashton.fastpress.client.fast.PressEvent event)
```

Enter the submenu with distribution related actions.

Parameters:

`event` - The event that has fired.

nl.tue.fingerpaint.client.gui.buttons

Class SaveDistributionButton

```

java.lang.Object
├── com.google.gwt.user.client.ui.UIObject
│   ├── com.google.gwt.user.client.ui.Widget
│   │   ├── com.google.gwt.user.client.ui.Composite
│   │   │   ├── io.ashton.fastpress.client.fast.FastPressElement
│   │   │   │   ├── nl.tue.fingerpaint.client.gui.buttons.FastButton
│   │   │   │       └── nl.tue.fingerpaint.client.gui.buttons.SaveDistributionButton

```

All Implemented Interfaces:

io.ashton.fastpress.client.fast.PressHandler, com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener, com.google.gwt.user.client.ui.IsRenderable, io.ashton.fastpress.client.fast.HasPressHandlers

public class **SaveDistributionButton**

extends [FastButton](#)

implements io.ashton.fastpress.client.fast.HasPressHandlers, com.google.gwt.user.client.ui.IsRenderable, com.google.gwt.user.client.EventListener, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.user.client.ui.HasVisibility, io.ashton.fastpress.client.fast.PressHandler

Button to save an initial concentration distribution.

Field Summary

| | |
|-----------|--|
| protected | fp Reference to the endpoint. |
|-----------|--|

Fields inherited from class com.google.gwt.user.client.ui.UIObject

DEBUG_ID_PREFIX

Constructor Summary

| | |
|--------|---|
| public | SaveDistributionButton (Fingerpaint parent) Construct a new button that can be used to save a concentration distribution. |
|--------|---|

Method Summary

| | |
|------|--|
| void | onPress (io.ashton.fastpress.client.fast.PressEvent event) Creates the save distribution popup panel. |
|------|--|

Methods inherited from class [nl.tue.fingerpaint.client.gui.buttons.FastButton](#)

[getButton](#), [getElement](#), [onDisablePressStyle](#), [onEnablePressStyle](#), [onHoldPressDownStyle](#), [onHoldPressOffStyle](#), [setEnabled](#)

Methods inherited from class io.ashton.fastpress.client.fast.FastPressEvent

addPressHandler, getWidget, onBrowserEvent, onDisablePressStyle, onEnablePressStyle, onHoldPressDownStyle, onHoldPressOffStyle, setEnabled

Methods inherited from class com.google.gwt.user.client.ui.Composite

claimElement, getWidget, initializeClaimedElement, initWidget, isAttached, onAttach, onBrowserEvent, onDetach, render, render, resolvePotentialElement, setWidget

Methods inherited from class com.google.gwt.user.client.ui.Widget

addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget, asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren, doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached, isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload, removeFromParent, setLayoutData, sinkEvents

Methods inherited from class com.google.gwt.user.client.ui.UIObject

addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId, getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth, getStyleElement, getStyleName, getStyleName, getStylePrimaryName, getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId, removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement, setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName, setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString, unsinkEvents

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface com.google.gwt.user.client.ui.HasVisibility

isVisible, setVisible

Methods inherited from interface com.google.gwt.user.client.EventListener

onBrowserEvent

Methods inherited from interface com.google.gwt.event.logical.shared.HasAttachHandlers

addAttachHandler, isAttached

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.IsWidget

asWidget

Methods inherited from interface com.google.gwt.user.client.ui.IsRenderable

claimElement, initializeClaimedElement, render, render

Methods inherited from interface `io.ashton.fastpress.client.fast.HasPressHandlers``addPressHandler`**Methods inherited from interface** `com.google.gwt.event.shared.HasHandlers``fireEvent`**Methods inherited from interface** `io.ashton.fastpress.client.fast.PressHandler``onPress`

Fields

fp

`protected nl.tue.fingerpaint.client.Fingerpaint fp`

Reference to the endpoint. Used to change which save button has been clicked last.

Constructors

SaveDistributionButton

`public SaveDistributionButton(Fingerpaint parent)`

Construct a new button that can be used to save a concentration distribution. When clicked, it will open the save item panel.

Parameters:

parent - Reference to the endpoint, used to change which save button has been clicked last.

Methods

onPress

`public void onPress(io.ashton.fastpress.client.fast.PressEvent event)`

Creates the save distribution popup panel.

Parameters:

event - The event that has fired.

nl.tue.fingerpaint.client.gui.buttons

Class SaveItemPanelButton

```

java.lang.Object
├── com.google.gwt.user.client.ui.UIObject
│   ├── com.google.gwt.user.client.ui.Widget
│   │   ├── com.google.gwt.user.client.ui.Composite
│   │   │   ├── io.ashton.fastpress.client.fast.FastPressElement
│   │   │   │   ├── nl.tue.fingerpaint.client.gui.buttons.FastButton
│   │   │   │       └── nl.tue.fingerpaint.client.gui.buttons.SaveItemPanelButton

```

All Implemented Interfaces:

io.ashton.fastpress.client.fast.PressHandler, com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener, com.google.gwt.user.client.ui.IsRenderable, io.ashton.fastpress.client.fast.HasPressHandlers

public class **SaveItemPanelButton**

extends [FastButton](#)

implements io.ashton.fastpress.client.fast.HasPressHandlers, com.google.gwt.user.client.ui.IsRenderable, com.google.gwt.user.client.EventListener, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.user.client.ui.HasVisibility, io.ashton.fastpress.client.fast.PressHandler

Button that can be used to actually initiate a saving action.

See Also:

[SaveItemPopupPanel](#), [SaveNameTextBox](#)

Field Summary

| | |
|-----------|---|
| protected | fp Reference to the entryptoint. |
|-----------|---|

Fields inherited from class com.google.gwt.user.client.ui.UIObject

| |
|-----------------|
| DEBUG_ID_PREFIX |
|-----------------|

Constructor Summary

| | |
|--------|---|
| public | SaveItemPanelButton (Fingerpaint parent) Construct a new button that can be used to initiate a saving action. |
|--------|---|

Method Summary

| | |
|------|--|
| void | onPress (io.ashton.fastpress.client.fast.PressEvent event) Tries to save the chosen result. |
| void | save (boolean canOverwrite) Save the current protocol, distribution or mixing results, depending on which save button was pressed last. |

Methods inherited from class [nl.tue.fingerpaint.client.gui.buttons.FastButton](#)

[getButton](#), [getElement](#), [onDisablePressStyle](#), [onEnablePressStyle](#), [onHoldPressDownStyle](#), [onHoldPressOffStyle](#), [setEnabled](#)

Methods inherited from class [io.ashton.fastpress.client.fast.FastPressEvent](#)

[addPressHandler](#), [getWidget](#), [onBrowserEvent](#), [onDisablePressStyle](#), [onEnablePressStyle](#), [onHoldPressDownStyle](#), [onHoldPressOffStyle](#), [setEnabled](#)

Methods inherited from class [com.google.gwt.user.client.ui.Composite](#)

[claimElement](#), [getWidget](#), [initializeClaimedElement](#), [initWidget](#), [isAttached](#), [onAttach](#), [onBrowserEvent](#), [onDetach](#), [render](#), [render](#), [resolvePotentialElement](#), [setWidget](#)

Methods inherited from class [com.google.gwt.user.client.ui.Widget](#)

[addAttachHandler](#), [addBitlessDomHandler](#), [addDomHandler](#), [addHandler](#), [asWidget](#), [asWidgetOrNull](#), [createHandlerManager](#), [delegateEvent](#), [doAttachChildren](#), [doDetachChildren](#), [fireEvent](#), [getHandlerCount](#), [getLayoutData](#), [getParent](#), [isAttached](#), [isOrWasAttached](#), [onAttach](#), [onBrowserEvent](#), [onDetach](#), [onLoad](#), [onUnload](#), [removeFromParent](#), [setLayoutData](#), [sinkEvents](#)

Methods inherited from class [com.google.gwt.user.client.ui.UIObject](#)

[addStyleDependentName](#), [addStyleName](#), [ensureDebugId](#), [ensureDebugId](#), [ensureDebugId](#), [getAbsoluteLeft](#), [getAbsoluteTop](#), [getElement](#), [getOffsetHeight](#), [getOffsetWidth](#), [getStyleElement](#), [getStyleName](#), [getStyleName](#), [getStylePrimaryName](#), [getStylePrimaryName](#), [getTitle](#), [isVisible](#), [isVisible](#), [onEnsureDebugId](#), [removeStyleDependentName](#), [removeStyleName](#), [resolvePotentialElement](#), [setElement](#), [setElement](#), [setHeight](#), [setPixelSize](#), [setSize](#), [setStyleDependentName](#), [setStyleName](#), [setStyleName](#), [setStyleName](#), [setStylePrimaryName](#), [setStylePrimaryName](#), [setTitle](#), [setVisible](#), [setVisible](#), [setWidth](#), [sinkBitlessEvent](#), [sinkEvents](#), [toString](#), [unsinkEvents](#)

Methods inherited from class [java.lang.Object](#)

[clone](#), [equals](#), [finalize](#), [getClass](#), [hashCode](#), [notify](#), [notifyAll](#), [toString](#), [wait](#), [wait](#), [wait](#)

Methods inherited from interface [com.google.gwt.user.client.ui.HasVisibility](#)

[isVisible](#), [setVisible](#)

Methods inherited from interface [com.google.gwt.user.client.EventListener](#)

[onBrowserEvent](#)

Methods inherited from interface [com.google.gwt.event.logical.shared.HasAttachHandlers](#)

[addAttachHandler](#), [isAttached](#)

Methods inherited from interface [com.google.gwt.event.shared.HasHandlers](#)

[fireEvent](#)

Methods inherited from interface [com.google.gwt.user.client.ui.IsWidget](#)

asWidget

Methods inherited from interface com.google.gwt.user.client.ui.IsRenderable

claimElement, initializeClaimedElement, render, render

Methods inherited from interface io.ashton.fastpress.client.fast.HasPressHandlers

addPressHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface io.ashton.fastpress.client.fast.PressHandler

onPress

Fields

fp

protected nl.tue.fingerpaint.client.Fingerpaint **fp**

Reference to the entypoint. Used to save items.

Constructors

SaveItemPanelButton

public **SaveItemPanelButton**([Fingerpaint](#) parent)

Construct a new button that can be used to initiate a saving action.

Parameters:

parent - Reference to the model, used to save items.

Methods

onPress

public void **onPress**(io.ashton.fastpress.client.fast.PressEvent event)

Tries to save the chosen result. If successful, a notification is shown; otherwise, the overwrite save panel is created.

Parameters:

event - The event that has fired.

save

public void **save**(boolean canOverwrite)

Save the current protocol, distribution or mixing results, depending on which save button was pressed last. The result of this saving action is handled nicely with popups, including asking the user what to do in case a name already exists. When canOverwrite is true, an existing item will be overwritten without asking the user anything.

(continued from last page)

Parameters:

`canOverwrite` - If the user should be asked what to do when a saved item with the given name already exists or not.

nl.tue.fingerpaint.client.gui.buttons Class SaveProtocolButton

```

java.lang.Object
├── com.google.gwt.user.client.ui.UIObject
│   ├── com.google.gwt.user.client.ui.Widget
│   │   ├── com.google.gwt.user.client.ui.Composite
│   │   │   ├── io.ashton.fastpress.client.fast.FastPressElement
│   │   │   │   ├── nl.tue.fingerpaint.client.gui.buttons.FastButton
│   │   │   │       └── nl.tue.fingerpaint.client.gui.buttons.SaveProtocolButton

```

All Implemented Interfaces:

io.ashton.fastpress.client.fast.PressHandler, com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener, com.google.gwt.user.client.ui.IsRenderable, io.ashton.fastpress.client.fast.HasPressHandlers

public class **SaveProtocolButton**

extends [FastButton](#)

implements io.ashton.fastpress.client.fast.HasPressHandlers, com.google.gwt.user.client.ui.IsRenderable, com.google.gwt.user.client.EventListener, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.user.client.ui.HasVisibility, io.ashton.fastpress.client.fast.PressHandler

Button that can be used to save a mixing protocol.

Field Summary

| | |
|-----------|--|
| protected | fp Reference to the endpoint. |
|-----------|--|

Fields inherited from class com.google.gwt.user.client.ui.UIObject

DEBUG_ID_PREFIX

Constructor Summary

| | |
|--------|--|
| public | SaveProtocolButton (Fingerpaint parent) Construct a new button that can be used to save a mixing protocol. |
|--------|--|

Method Summary

| | |
|------|--|
| void | onPress (io.ashton.fastpress.client.fast.PressEvent event) Creates the save protocol popup panel. |
|------|--|

Methods inherited from class [nl.tue.fingerpaint.client.gui.buttons.FastButton](#)

[getButton](#), [getElement](#), [onDisablePressStyle](#), [onEnablePressStyle](#), [onHoldPressDownStyle](#), [onHoldPressOffStyle](#), [setEnabled](#)

Methods inherited from class io.ashton.fastpress.client.fast.FastPressEvent

addPressHandler, getWidget, onBrowserEvent, onDisablePressStyle, onEnablePressStyle, onHoldPressDownStyle, onHoldPressOffStyle, setEnabled

Methods inherited from class com.google.gwt.user.client.ui.Composite

claimElement, getWidget, initializeClaimedElement, initWidget, isAttached, onAttach, onBrowserEvent, onDetach, render, render, resolvePotentialElement, setWidget

Methods inherited from class com.google.gwt.user.client.ui.Widget

addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget, asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren, doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached, isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload, removeFromParent, setLayoutData, sinkEvents

Methods inherited from class com.google.gwt.user.client.ui.UIObject

addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId, getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth, getStyleElement, getStyleName, getStyleName, getStylePrimaryName, getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId, removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement, setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName, setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString, unsinkEvents

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface com.google.gwt.user.client.ui.HasVisibility

isVisible, setVisible

Methods inherited from interface com.google.gwt.user.client.EventListener

onBrowserEvent

Methods inherited from interface com.google.gwt.event.logical.shared.HasAttachHandlers

addAttachHandler, isAttached

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.IsWidget

asWidget

Methods inherited from interface com.google.gwt.user.client.ui.IsRenderable

claimElement, initializeClaimedElement, render, render

Methods inherited from interface io.ashton.fastpress.client.fast.HasPressHandlers

addPressHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface io.ashton.fastpress.client.fast.PressHandler

onPress

Fields

fpprotected nl.tue.fingerpaint.client.Fingerpaint **fp**

Reference to the endpoint. Used to change which save button has been clicked last.

Constructors

SaveProtocolButtonpublic **SaveProtocolButton**([Fingerpaint](#) parent)

Construct a new button that can be used to save a mixing protocol. When clicked, it will open the save item panel.

Parameters:

parent - Reference to the endpoint, used to change which save button has been clicked last.

Methods

onPresspublic void **onPress**(io.ashton.fastpress.client.fast.PressEvent event)

Creates the save protocol popup panel.

Parameters:

event - The event that has fired.

nl.tue.fingerpaint.client.gui.buttons

Class SaveResultsButton

```

java.lang.Object
├── com.google.gwt.user.client.ui.UIObject
│   ├── com.google.gwt.user.client.ui.Widget
│   │   ├── com.google.gwt.user.client.ui.Composite
│   │   │   ├── io.ashton.fastpress.client.fast.FastPressElement
│   │   │   │   ├── nl.tue.fingerpaint.client.gui.buttons.FastButton
│   │   │   │       └── nl.tue.fingerpaint.client.gui.buttons.SaveResultsButton

```

All Implemented Interfaces:

io.ashton.fastpress.client.fast.PressHandler, com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener, com.google.gwt.user.client.ui.IsRenderable, io.ashton.fastpress.client.fast.HasPressHandlers

public class **SaveResultsButton**

extends [FastButton](#)

implements io.ashton.fastpress.client.fast.HasPressHandlers, com.google.gwt.user.client.ui.IsRenderable, com.google.gwt.user.client.EventListener, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.user.client.ui.HasVisibility, io.ashton.fastpress.client.fast.PressHandler

Button that can be used to save a mixing run.

Field Summary

| | |
|-----------|--|
| protected | fp Reference to the endpoint. |
|-----------|--|

Fields inherited from class com.google.gwt.user.client.ui.UIObject

DEBUG_ID_PREFIX

Constructor Summary

| | |
|--------|--|
| public | SaveResultsButton (Fingerpaint parent) Construct a new button that can be used to save a mixing run. |
|--------|--|

Method Summary

| | |
|------|---|
| void | onPress (io.ashton.fastpress.client.fast.PressEvent event) Creates the save results popup panel. |
|------|---|

Methods inherited from class [nl.tue.fingerpaint.client.gui.buttons.FastButton](#)

[getButton](#), [getElement](#), [onDisablePressStyle](#), [onEnablePressStyle](#), [onHoldPressDownStyle](#), [onHoldPressOffStyle](#), [setEnabled](#)

Methods inherited from class io.ashton.fastpress.client.fast.FastPressEvent

addPressHandler, getWidget, onBrowserEvent, onDisablePressStyle, onEnablePressStyle, onHoldPressDownStyle, onHoldPressOffStyle, setEnabled

Methods inherited from class com.google.gwt.user.client.ui.Composite

claimElement, getWidget, initializeClaimedElement, initWidget, isAttached, onAttach, onBrowserEvent, onDetach, render, render, resolvePotentialElement, setWidget

Methods inherited from class com.google.gwt.user.client.ui.Widget

addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget, asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren, doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached, isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload, removeFromParent, setLayoutData, sinkEvents

Methods inherited from class com.google.gwt.user.client.ui.UIObject

addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId, getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth, getStyleElement, getStyleName, getStyleName, getStylePrimaryName, getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId, removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement, setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName, setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString, unsinkEvents

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface com.google.gwt.user.client.ui.HasVisibility

isVisible, setVisible

Methods inherited from interface com.google.gwt.user.client.EventListener

onBrowserEvent

Methods inherited from interface com.google.gwt.event.logical.shared.HasAttachHandlers

addAttachHandler, isAttached

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.IsWidget

asWidget

Methods inherited from interface com.google.gwt.user.client.ui.IsRenderable

claimElement, initializeClaimedElement, render, render

Methods inherited from interface `io.ashton.fastpress.client.fast.HasPressHandlers``addPressHandler`**Methods inherited from interface** `com.google.gwt.event.shared.HasHandlers``fireEvent`**Methods inherited from interface** `io.ashton.fastpress.client.fast.PressHandler``onPress`

Fields

fp

`protected nl.tue.fingerprint.client.Fingerprint fp`

Reference to the endpoint. Used to change which save button has been clicked last.

Constructors

SaveResultsButton

`public SaveResultsButton(Fingerprint parent)`

Construct a new button that can be used to save a mixing run. When clicked, it will open the save item panel.

Parameters:

parent - Reference to the endpoint, used to change which save button has been clicked last.

Methods

onPress

`public void onPress(io.ashton.fastpress.client.fast.PressEvent event)`

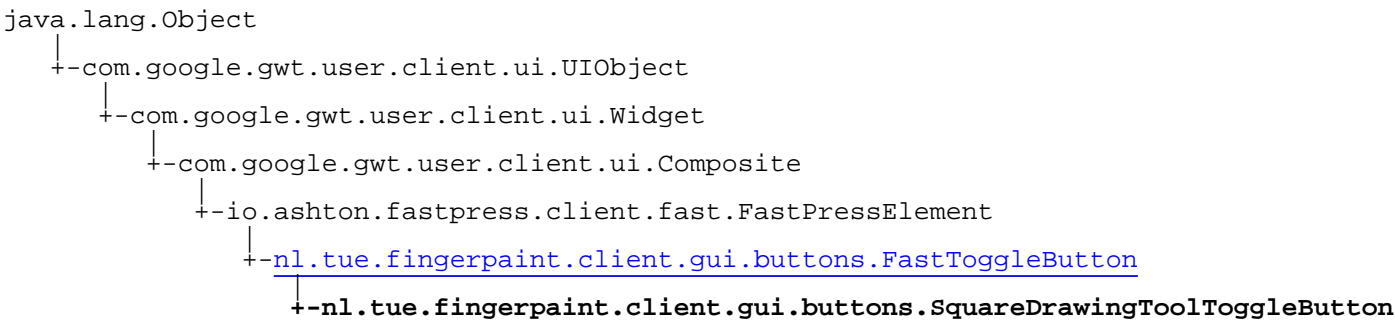
Creates the save results popup panel.

Parameters:

event - The event that has fired.

nl.tue.fingerpaint.client.gui.buttons

Class SquareDrawingToolToggleButton



All Implemented Interfaces:
io.ashton.fastpress.client.fast.PressHandler, com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener, com.google.gwt.user.client.ui.IsRenderable, io.ashton.fastpress.client.fast.HasPressHandlers

public class **SquareDrawingToolToggleButton**
extends [FastToggleButton](#)
implements io.ashton.fastpress.client.fast.HasPressHandlers, com.google.gwt.user.client.ui.IsRenderable, com.google.gwt.user.client.EventListener, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.user.client.ui.HasVisibility, io.ashton.fastpress.client.fast.PressHandler

com.google.gwt.user.client.ui.ToggleButton that is used to select the square drawing tool.

| Fields inherited from class com.google.gwt.user.client.ui.UIObject | |
|--|--|
| DEBUG_ID_PREFIX | |

| Constructor Summary | |
|---------------------|---|
| public | SquareDrawingToolToggleButton (Fingerpaint parent, ApplicationState appState) Construct the SquareDrawingTool . |

| Method Summary | |
|----------------|--|
| void | onPress (io.ashton.fastpress.client.fast.PressEvent event) Toggles the drawing tool to square, with the desired size. |
| void | setColour (Colour toolColour) Change the colour of the tool in the button. |

| Methods inherited from class nl.tue.fingerpaint.client.gui.buttons.FastToggleButton | |
|---|--|
| getElement , getToggleButton , onDisablePressStyle , onEnablePressStyle , onHoldPressDownStyle , onHoldPressOffStyle , setEnabled | |

| Methods inherited from class io.ashton.fastpress.client.fast.FastPressElement | |
|---|--|
|---|--|

addPressHandler, getWidget, onBrowserEvent, onDisablePressStyle, onEnablePressStyle, onHoldPressDownStyle, onHoldPressOffStyle, setEnabled

Methods inherited from class com.google.gwt.user.client.ui.Composite

claimElement, getWidget, initializeClaimedElement, initWidget, isAttached, onAttach, onBrowserEvent, onDetach, render, render, resolvePotentialElement, setWidget

Methods inherited from class com.google.gwt.user.client.ui.Widget

addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget, asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren, doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached, isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload, removeFromParent, setLayoutData, sinkEvents

Methods inherited from class com.google.gwt.user.client.ui.UIObject

addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId, getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth, getStyleElement, getStyleName, getStyleName, getStylePrimaryName, getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId, removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement, setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName, setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString, unsinkEvents

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface com.google.gwt.user.client.ui.HasVisibility

isVisible, setVisible

Methods inherited from interface com.google.gwt.user.client.EventListener

onBrowserEvent

Methods inherited from interface com.google.gwt.event.logical.shared.HasAttachHandlers

addAttachHandler, isAttached

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.IsWidget

asWidget

Methods inherited from interface com.google.gwt.user.client.ui.IsRenderable

claimElement, initializeClaimedElement, render, render

Methods inherited from interface `io.ashton.fastpress.client.fast.HasPressHandlers``addPressHandler`**Methods inherited from interface** `com.google.gwt.event.shared.HasHandlers``fireEvent`**Methods inherited from interface** `io.ashton.fastpress.client.fast.PressHandler``onPress`

Constructors

SquareDrawingToolToggleButton

```
public SquareDrawingToolToggleButton(Fingerpaint parent,  
                                     ApplicationState appState)
```

Construct the [SquareDrawingTool](#).

Parameters:

`parent` - A reference to the `Fingerpaint` class.

`appState` - Reference to the model that holds the state of the application.

Methods

onPress

```
public void onPress(io.ashton.fastpress.client.fast.PressEvent event)
```

Toggles the drawing tool to square, with the desired size.

Parameters:

`event` - The event that has fired.

setColour

```
public void setColour(Colour toolColour)
```

Change the colour of the tool in the button.

Parameters:

`toolColour` - The (new) colour for the tool in the button. When null, the colour will be reset and thus, the default colour will be used.

nl.tue.fingerpaint.client.gui.buttons

Class ToggleColourButton

```

java.lang.Object
├── com.google.gwt.user.client.ui.UIObject
│   ├── com.google.gwt.user.client.ui.Widget
│   │   ├── com.google.gwt.user.client.ui.Composite
│   │   │   ├── io.ashton.fastpress.client.fast.FastPressElement
│   │   │   │   ├── nl.tue.fingerpaint.client.gui.buttons.FastButton
│   │   │   │   │   └── nl.tue.fingerpaint.client.gui.buttons.ToggleColourButton

```

All Implemented Interfaces:

io.ashton.fastpress.client.fast.PressHandler, com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener, com.google.gwt.user.client.ui.IsRenderable, io.ashton.fastpress.client.fast.HasPressHandlers

public class **ToggleColourButton**

extends [FastButton](#)

implements io.ashton.fastpress.client.fast.HasPressHandlers, com.google.gwt.user.client.ui.IsRenderable, com.google.gwt.user.client.EventListener, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.user.client.ui.HasVisibility, io.ashton.fastpress.client.fast.PressHandler

Button that can be used to change the drawing colour.

Field Summary

| | |
|---------------------|--|
| protected | as Reference to the model. |
| protected | bgCol Background colour. |
| protected | bgColEl Element that show background colour. |
| protected | fgCol Foreground colour. |
| protected | fgColEl Element that shows foreground colour. |
| protected | identifier Identifier of this instance. |
| public static final | STYLENAME Style name (class) used on this button. Value: gwt-ToggleColourButton |

| | |
|------------------------|---|
| public static final | STYLENAME_BG_EL Style name of element that represents background colour. Value: gwt-ToggleColourButtonBackground |
| public static final | STYLENAME_FG_EL Style name of element that represents foreground colour. Value: gwt-ToggleColourButtonForeground |
| public static final | TOGGLE_COLOUR Identifier for the ToggleColourButton in the main menu. Value: toggleColour |
| public static final | TOGGLE_COLOUR_TOOL_MENU Identifier for the ToggleColourButton in the tool menu. Value: toolMenuToggleColour |
| protected static final | UPDATE_BG Constant use for update(int) . Value: 1 |
| protected static final | UPDATE_BOTH Constant use for update(int) . Value: 0 |
| protected static final | UPDATE_FG Constant use for update(int) . Value: 2 |

Fields inherited from class com.google.gwt.user.client.ui.UIObject

DEBUG_ID_PREFIX

Constructor Summary

| | |
|--------|--|
| public | ToggleColourButton (ApplicationState appState, java.lang.String identifier) Construct a new button that can be used to toggle between black and white. |
|--------|--|

Method Summary

| | |
|------------------------|--|
| Colour | getSelectedColour () Return the currently selected colour. |
| void | onPress (io.ashton.fastpress.client.fast.PressEvent event) Toggles the colour used for drawing. |
| void | setBackgroundColour (Colour backgroundColour) Change the background (currently not selected) colour. |
| void | setForegroundColour (Colour foregroundColour) Change the foreground (currently selected) colour. |
| void | toggleColour () Swaps the foreground and background colour. |

| | |
|------|---|
| void | update (int updateWhat) |
|------|---|

Set the background colour properties for the foreground and background elements (using the global [fgCol](#) and [bgCol](#)).

Methods inherited from class [nl.tue.fingerpaint.client.gui.buttons.FastButton](#)

[getButton](#), [getElement](#), [onDisablePressStyle](#), [onEnablePressStyle](#), [onHoldPressDownStyle](#), [onHoldPressOffStyle](#), [setEnabled](#)

Methods inherited from class [io.ashton.fastpress.client.fast.FastPressElement](#)

[addPressHandler](#), [getWidget](#), [onBrowserEvent](#), [onDisablePressStyle](#), [onEnablePressStyle](#), [onHoldPressDownStyle](#), [onHoldPressOffStyle](#), [setEnabled](#)

Methods inherited from class [com.google.gwt.user.client.ui.Composite](#)

[claimElement](#), [getWidget](#), [initializeClaimedElement](#), [initWidget](#), [isAttached](#), [onAttach](#), [onBrowserEvent](#), [onDetach](#), [render](#), [render](#), [resolvePotentialElement](#), [setWidget](#)

Methods inherited from class [com.google.gwt.user.client.ui.Widget](#)

[addAttachHandler](#), [addBitlessDomHandler](#), [addDomHandler](#), [addHandler](#), [asWidget](#), [asWidgetOrNull](#), [createHandlerManager](#), [delegateEvent](#), [doAttachChildren](#), [doDetachChildren](#), [fireEvent](#), [getHandlerCount](#), [getLayoutData](#), [getParent](#), [isAttached](#), [isOrWasAttached](#), [onAttach](#), [onBrowserEvent](#), [onDetach](#), [onLoad](#), [onUnload](#), [removeFromParent](#), [setLayoutData](#), [sinkEvents](#)

Methods inherited from class [com.google.gwt.user.client.ui.UIObject](#)

[addStyleDependentName](#), [addStyleName](#), [ensureDebugId](#), [ensureDebugId](#), [ensureDebugId](#), [getAbsoluteLeft](#), [getAbsoluteTop](#), [getElement](#), [getOffsetHeight](#), [getOffsetWidth](#), [getStyleElement](#), [getStyleName](#), [getStyleName](#), [getStylePrimaryName](#), [getStylePrimaryName](#), [getTitle](#), [isVisible](#), [isVisible](#), [onEnsureDebugId](#), [removeStyleDependentName](#), [removeStyleName](#), [resolvePotentialElement](#), [setElement](#), [setElement](#), [setHeight](#), [setPixelSize](#), [setSize](#), [setStyleDependentName](#), [setStyleName](#), [setStyleName](#), [setStyleName](#), [setStyleName](#), [setStylePrimaryName](#), [setStylePrimaryName](#), [setTitle](#), [setVisible](#), [setVisible](#), [setWidth](#), [sinkBitlessEvent](#), [sinkEvents](#), [toString](#), [unsinkEvents](#)

Methods inherited from class [java.lang.Object](#)

[clone](#), [equals](#), [finalize](#), [getClass](#), [hashCode](#), [notify](#), [notifyAll](#), [toString](#), [wait](#), [wait](#), [wait](#)

Methods inherited from interface [com.google.gwt.user.client.ui.HasVisibility](#)

[isVisible](#), [setVisible](#)

Methods inherited from interface [com.google.gwt.user.client.EventListener](#)

[onBrowserEvent](#)

Methods inherited from interface [com.google.gwt.event.logical.shared.HasAttachHandlers](#)

[addAttachHandler](#), [isAttached](#)

Methods inherited from interface [com.google.gwt.event.shared.HasHandlers](#)

```
fireEvent
```

```
Methods inherited from interface com.google.gwt.user.client.ui.IsWidget
```

```
asWidget
```

```
Methods inherited from interface com.google.gwt.user.client.ui.IsRenderable
```

```
claimElement, initializeClaimedElement, render, render
```

```
Methods inherited from interface io.ashton.fastpress.client.fast.HasPressHandlers
```

```
addPressHandler
```

```
Methods inherited from interface com.google.gwt.event.shared.HasHandlers
```

```
fireEvent
```

```
Methods inherited from interface io.ashton.fastpress.client.fast.PressHandler
```

```
onPress
```

Fields

TOGGLE_COLOUR

```
public static final java.lang.String TOGGLE_COLOUR
```

Identifier for the ToggleColourButton in the main menu.
Constant value: **toggleColour**

TOGGLE_COLOUR_TOOL_MENU

```
public static final java.lang.String TOGGLE_COLOUR_TOOL_MENU
```

Identifier for the ToggleColourButton in the tool menu.
Constant value: **toolMenuToggleColour**

STYLENAME

```
public static final java.lang.String STYLENAME
```

Style name (class) used on this button.
Constant value: **gwt-ToggleColourButton**

STYLENAME_FG_EL

```
public static final java.lang.String STYLENAME_FG_EL
```

Style name of element that represents foreground colour.
Constant value: **gwt-ToggleColourButtonForeground**

STYLENAME_BG_EL

```
public static final java.lang.String STYLENAME_BG_EL
```

(continued from last page)

Style name of element that represents background colour.
Constant value: **gwt-ToggleColourButtonBackground**

UPDATE_BOTH

protected static final int **UPDATE_BOTH**

Constant use for [update\(int\)](#).
Constant value: **0**

UPDATE_BG

protected static final int **UPDATE_BG**

Constant use for [update\(int\)](#).
Constant value: **1**

UPDATE_FG

protected static final int **UPDATE_FG**

Constant use for [update\(int\)](#).
Constant value: **2**

as

protected nl.tue.fingerpaint.client.model.ApplicationState **as**

Reference to the model. Used to change the drawing colour.

fgCol

protected nl.tue.fingerpaint.shared.utils.Colour **fgCol**

Foreground colour.

fgColEl

protected com.google.gwt.dom.client.DivElement **fgColEl**

Element that shows foreground colour.

bgCol

protected nl.tue.fingerpaint.shared.utils.Colour **bgCol**

Background colour.

bgColEl

protected com.google.gwt.dom.client.DivElement **bgColEl**

Element that show background colour.

identifier

protected java.lang.String **identifier**

(continued from last page)

Identifier of this instance.

Constructors

ToggleColourButton

```
public ToggleColourButton(ApplicationState appState,  
                           java.lang.String identifier)
```

Construct a new button that can be used to toggle between black and white.

Parameters:

`appState` - Reference to the model, used to change drawing colour.

`identifier` - Identifier for this object.

Methods

onPress

```
public void onPress(io.ashton.fastpress.client.fast.PressEvent event)
```

Toggles the colour used for drawing.

Parameters:

`event` - The event that has fired.

getSelectedColour

```
public Colour getSelectedColour()
```

Return the currently selected colour.

Returns:

The currently selected ("foreground") colour.

setBackgroundColour

```
public void setBackgroundColour(Colour backgroundColour)
```

Change the background (currently not selected) colour.

Parameters:

`backgroundColour` - New background (not selected) colour.

setForegroundColour

```
public void setForegroundColour(Colour foregroundColour)
```

Change the foreground (currently selected) colour.

Parameters:

`foregroundColour` - New foreground (selected) colour.

toggleColour

```
public void toggleColour()
```

Swaps the foreground and background colour.

update

```
protected void update(int updateWhat)
```

Set the background colour properties for the foreground and background elements (using the global [fgCol](#) and [bgCol](#)).

Parameters:

updateWhat - A constant to indicate if only the foreground colour, only the background colour or both should be updated.

nl.tue.fingerpaint.client.gui.buttons Class ToggleDefineProtocol

```

java.lang.Object
├── com.google.gwt.user.client.ui.UIObject
│   ├── com.google.gwt.user.client.ui.Widget
│   │   ├── com.google.gwt.user.client.ui.Composite
│   │   │   ├── io.ashton.fastpress.client.fast.FastPressElement
│   │   │   │   ├── nl.tue.fingerpaint.client.gui.buttons.FastButton
│   │   │   │       └── nl.tue.fingerpaint.client.gui.buttons.ToggleDefineProtocol

```

All Implemented Interfaces:

io.ashton.fastpress.client.fast.PressHandler, com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener, com.google.gwt.user.client.ui.IsRenderable, io.ashton.fastpress.client.fast.HasPressHandlers

public class **ToggleDefineProtocol**

extends [FastButton](#)

implements io.ashton.fastpress.client.fast.HasPressHandlers, com.google.gwt.user.client.ui.IsRenderable, com.google.gwt.user.client.EventListener, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.user.client.ui.HasVisibility, io.ashton.fastpress.client.fast.PressHandler

ToggleButton that can be used to indicate if a protocol is being defined. If not in default state, then adding a step will execute it immediately.

Field Summary

| | |
|-----------|---|
| protected | as Reference to the model. |
|-----------|---|

Fields inherited from class com.google.gwt.user.client.ui.UIObject

DEBUG_ID_PREFIX

Constructor Summary

| | |
|--------|--|
| public | ToggleDefineProtocol (ApplicationState appState) Construct a new com.google.gwt.user.client.ui.Button that can be used to enter a submenu in which all protocol related actions are grouped. |
|--------|--|

Method Summary

| | |
|------|--|
| void | onPress (io.ashton.fastpress.client.fast.PressEvent event) Toggles the protocol widgets as visible or invisible, and resets the protocol if the widgets are being hidden. |
|------|--|

Methods inherited from class [nl.tue.fingerpaint.client.gui.buttons.FastButton](#)

[getButton](#), [getElement](#), [onDisablePressStyle](#), [onEnablePressStyle](#), [onHoldPressDownStyle](#), [onHoldPressOffStyle](#), [setEnabled](#)

Methods inherited from class io.ashton.fastpress.client.fast.FastPressEvent

[addPressHandler](#), [getWidget](#), [onBrowserEvent](#), [onDisablePressStyle](#), [onEnablePressStyle](#), [onHoldPressDownStyle](#), [onHoldPressOffStyle](#), [setEnabled](#)

Methods inherited from class com.google.gwt.user.client.ui.Composite

[claimElement](#), [getWidget](#), [initializeClaimedElement](#), [initWidget](#), [isAttached](#), [onAttach](#), [onBrowserEvent](#), [onDetach](#), [render](#), [render](#), [resolvePotentialElement](#), [setWidget](#)

Methods inherited from class com.google.gwt.user.client.ui.Widget

[addAttachHandler](#), [addBitlessDomHandler](#), [addDomHandler](#), [addHandler](#), [asWidget](#), [asWidgetOrNull](#), [createHandlerManager](#), [delegateEvent](#), [doAttachChildren](#), [doDetachChildren](#), [fireEvent](#), [getHandlerCount](#), [getLayoutData](#), [getParent](#), [isAttached](#), [isOrWasAttached](#), [onAttach](#), [onBrowserEvent](#), [onDetach](#), [onLoad](#), [onUnload](#), [removeFromParent](#), [setLayoutData](#), [sinkEvents](#)

Methods inherited from class com.google.gwt.user.client.ui.UIObject

[addStyleDependentName](#), [addStyleName](#), [ensureDebugId](#), [ensureDebugId](#), [ensureDebugId](#), [getAbsoluteLeft](#), [getAbsoluteTop](#), [getElement](#), [getOffsetHeight](#), [getOffsetWidth](#), [getStyleElement](#), [getStyleName](#), [getStyleName](#), [getStylePrimaryName](#), [getStylePrimaryName](#), [getTitle](#), [isVisible](#), [isVisible](#), [onEnsureDebugId](#), [removeStyleDependentName](#), [removeStyleName](#), [resolvePotentialElement](#), [setElement](#), [setElement](#), [setHeight](#), [setPixelSize](#), [setSize](#), [setStyleDependentName](#), [setStyleName](#), [setStyleName](#), [setStyleName](#), [setStylePrimaryName](#), [setStylePrimaryName](#), [setStylePrimaryName](#), [setTitle](#), [setVisible](#), [setVisible](#), [setWidth](#), [sinkBitlessEvent](#), [sinkEvents](#), [toString](#), [unsinkEvents](#)

Methods inherited from class java.lang.Object

[clone](#), [equals](#), [finalize](#), [getClass](#), [hashCode](#), [notify](#), [notifyAll](#), [toString](#), [wait](#), [wait](#), [wait](#)

Methods inherited from interface com.google.gwt.user.client.ui.HasVisibility

[isVisible](#), [setVisible](#)

Methods inherited from interface com.google.gwt.user.client.EventListener

[onBrowserEvent](#)

Methods inherited from interface com.google.gwt.event.logical.shared.HasAttachHandlers

[addAttachHandler](#), [isAttached](#)

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

[fireEvent](#)

Methods inherited from interface com.google.gwt.user.client.ui.IsWidget

[asWidget](#)

Methods inherited from interface `com.google.gwt.user.client.ui.IsRenderable``claimElement, initializeClaimedElement, render, render`**Methods inherited from interface** `io.ashton.fastpress.client.fast.HasPressHandlers``addPressHandler`**Methods inherited from interface** `com.google.gwt.event.shared.HasHandlers``fireEvent`**Methods inherited from interface** `io.ashton.fastpress.client.fast.PressHandler``onPress`

Fields

as`protected nl.tue.fingerpaint.client.model.ApplicationState as`

Reference to the model. Used to change if the user is defining a protocol.

Constructors

ToggleDefineProtocol

`public ToggleDefineProtocol(ApplicationState appState)`

Construct a new `com.google.gwt.user.client.ui.Button` that can be used to enter a submenu in which all protocol related actions are grouped.

Parameters:

`appState` - Reference to the model. Used to change if the user is defining a protocol.

See Also:

[ToggleDefineProtocol](#)

Methods

onPress

`public void onPress(io.ashton.fastpress.client.fast.PressEvent event)`

Toggles the protocol widgets as visible or invisible, and resets the protocol if the widgets are being hidden.

Parameters:

`event` - The event that has fired.

nl.tue.fingerpaint.client.gui.buttons

Class ToolSelectButton

```

java.lang.Object
├── com.google.gwt.user.client.ui.UIObject
│   ├── com.google.gwt.user.client.ui.Widget
│   │   ├── com.google.gwt.user.client.ui.Composite
│   │   │   ├── io.ashton.fastpress.client.fast.FastPressElement
│   │   │   │   ├── nl.tue.fingerpaint.client.gui.buttons.FastButton
│   │   │   │       └── nl.tue.fingerpaint.client.gui.buttons.ToolSelectButton

```

All Implemented Interfaces:

io.ashton.fastpress.client.fast.PressHandler, com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener, com.google.gwt.user.client.ui.IsRenderable, io.ashton.fastpress.client.fast.HasPressHandlers

public class **ToolSelectButton**

extends [FastButton](#)

implements io.ashton.fastpress.client.fast.HasPressHandlers, com.google.gwt.user.client.ui.IsRenderable, com.google.gwt.user.client.EventListener, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.user.client.ui.HasVisibility, io.ashton.fastpress.client.fast.PressHandler

Button that can be used to change the drawing tool.

Fields inherited from class com.google.gwt.user.client.ui.UIObject

DEBUG_ID_PREFIX

Constructor Summary

| | |
|--------|--|
| public | ToolSelectButton() Construct the ToolSelectButton . |
|--------|--|

Method Summary

| | |
|------|--|
| void | onPress (io.ashton.fastpress.client.fast.PressEvent event) Shows the popup in which to select the drawing tool. |
|------|--|

Methods inherited from class [nl.tue.fingerpaint.client.gui.buttons.FastButton](#)

[getButton](#), [getElement](#), [onDisablePressStyle](#), [onEnablePressStyle](#), [onHoldPressDownStyle](#), [onHoldPressOffStyle](#), [setEnabled](#)

Methods inherited from class io.ashton.fastpress.client.fast.FastPressElement

[addPressHandler](#), [getWidget](#), [onBrowserEvent](#), [onDisablePressStyle](#), [onEnablePressStyle](#), [onHoldPressDownStyle](#), [onHoldPressOffStyle](#), [setEnabled](#)

Methods inherited from class com.google.gwt.user.client.ui.Composite

claimElement, getWidget, initializeClaimedElement, initWidget, isAttached, onAttach, onBrowserEvent, onDetach, render, render, resolvePotentialElement, setWidget

Methods inherited from class com.google.gwt.user.client.ui.Widget

addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget, asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren, doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached, isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload, removeFromParent, setLayoutData, sinkEvents

Methods inherited from class com.google.gwt.user.client.ui.UIObject

addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId, getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth, getStyleElement, getStyleName, getStyleName, getStylePrimaryName, getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId, removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement, setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName, setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString, unsinkEvents

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface com.google.gwt.user.client.ui.HasVisibility

isVisible, setVisible

Methods inherited from interface com.google.gwt.user.client.EventListener

onBrowserEvent

Methods inherited from interface com.google.gwt.event.logical.shared.HasAttachHandlers

addAttachHandler, isAttached

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.IsWidget

asWidget

Methods inherited from interface com.google.gwt.user.client.ui.IsRenderable

claimElement, initializeClaimedElement, render, render

Methods inherited from interface io.ashton.fastpress.client.fast.HasPressHandlers

addPressHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

```
fireEvent
```

Methods inherited from interface `io.ashton.fastpress.client.fast.PressHandler`

```
onPress
```

Constructors

ToolSelectButton

```
public ToolSelectButton()
```

Construct the [ToolSelectButton](#).

Methods

onPress

```
public void onPress(io.ashton.fastpress.client.fast.PressEvent event)
```

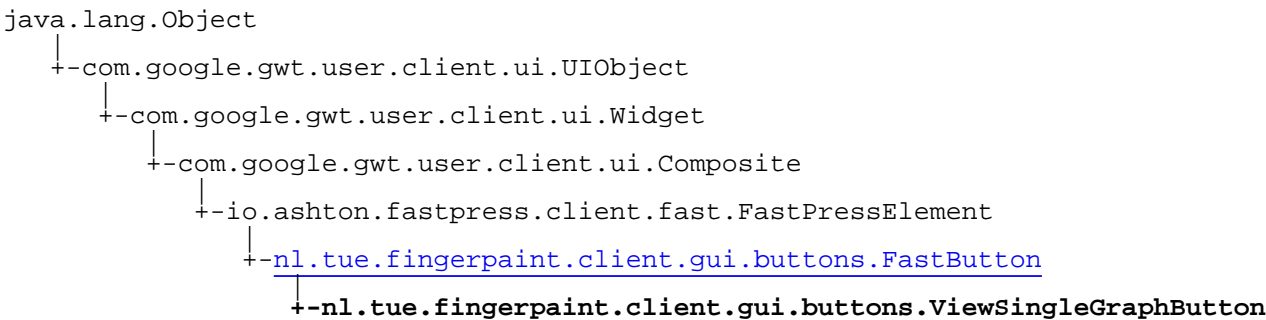
Shows the popup in which to select the drawing tool.

Parameters:

`event` - The event that has fired.

nl.tue.fingerpaint.client.gui.buttons

Class ViewSingleGraphButton



All Implemented Interfaces:
io.ashton.fastpress.client.fast.PressHandler, com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener, com.google.gwt.user.client.ui.IsRenderable, io.ashton.fastpress.client.fast.HasPressHandlers

public class **ViewSingleGraphButton**
extends [FastButton](#)
implements io.ashton.fastpress.client.fast.HasPressHandlers, com.google.gwt.user.client.ui.IsRenderable, com.google.gwt.user.client.EventListener, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.user.client.ui.HasVisibility, io.ashton.fastpress.client.fast.PressHandler

Button that can be used to view the performance of the previously executed mixing run in a single graph.

Field Summary

| | |
|-----------|--|
| protected | as Reference to the model. |
| protected | fp Reference to the endpoint. |

Fields inherited from class com.google.gwt.user.client.ui.UIObject

DEBUG_ID_PREFIX

Constructor Summary

| | |
|--------|--|
| public | ViewSingleGraphButton (Fingerpaint parent, ApplicationState appState) Construct a new button that can be used to view the performance of the previously executed mixing run in a single graph. |
|--------|--|

Method Summary

| | |
|------|--|
| void | onPress (io.ashton.fastpress.client.fast.PressEvent event) Shows a graph of the current mixing run. |
|------|--|

Methods inherited from class [nl.tue.fingerpaint.client.gui.buttons.FastButton](#)

[getButton](#), [getElement](#), [onDisablePressStyle](#), [onEnablePressStyle](#), [onHoldPressDownStyle](#), [onHoldPressOffStyle](#), [setEnabled](#)

Methods inherited from class `io.ashton.fastpress.client.fast.FastPressEvent`

`addPressHandler`, `getWidget`, `onBrowserEvent`, `onDisablePressStyle`, `onEnablePressStyle`, `onHoldPressDownStyle`, `onHoldPressOffStyle`, `setEnabled`

Methods inherited from class `com.google.gwt.user.client.ui.Composite`

`claimElement`, `getWidget`, `initializeClaimedElement`, `initWidget`, `isAttached`, `onAttach`, `onBrowserEvent`, `onDetach`, `render`, `render`, `resolvePotentialElement`, `setWidget`

Methods inherited from class `com.google.gwt.user.client.ui.Widget`

`addAttachHandler`, `addBitlessDomHandler`, `addDomHandler`, `addHandler`, `asWidget`, `asWidgetOrNull`, `createHandlerManager`, `delegateEvent`, `doAttachChildren`, `doDetachChildren`, `fireEvent`, `getHandlerCount`, `getLayoutData`, `getParent`, `isAttached`, `isOrWasAttached`, `onAttach`, `onBrowserEvent`, `onDetach`, `onLoad`, `onUnload`, `removeFromParent`, `setLayoutData`, `sinkEvents`

Methods inherited from class `com.google.gwt.user.client.ui.UIObject`

`addStyleDependentName`, `addStyleName`, `ensureDebugId`, `ensureDebugId`, `ensureDebugId`, `getAbsoluteLeft`, `getAbsoluteTop`, `getElement`, `getOffsetHeight`, `getOffsetWidth`, `getStyleElement`, `getStyleName`, `getStyleName`, `getStylePrimaryName`, `getStylePrimaryName`, `getTitle`, `isVisible`, `isVisible`, `onEnsureDebugId`, `removeStyleDependentName`, `removeStyleName`, `resolvePotentialElement`, `setElement`, `setElement`, `setHeight`, `setPixelSize`, `setSize`, `setStyleDependentName`, `setStyleName`, `setStyleName`, `setStyleName`, `setStylePrimaryName`, `setStylePrimaryName`, `setStylePrimaryName`, `setTitle`, `setVisible`, `setVisible`, `setWidth`, `sinkBitlessEvent`, `sinkEvents`, `toString`, `unsinkEvents`

Methods inherited from class `java.lang.Object`

`clone`, `equals`, `finalize`, `getClass`, `hashCode`, `notify`, `notifyAll`, `toString`, `wait`, `wait`, `wait`

Methods inherited from interface `com.google.gwt.user.client.ui.HasVisibility`

`isVisible`, `setVisible`

Methods inherited from interface `com.google.gwt.user.client.EventListener`

`onBrowserEvent`

Methods inherited from interface `com.google.gwt.event.logical.shared.HasAttachHandlers`

`addAttachHandler`, `isAttached`

Methods inherited from interface `com.google.gwt.event.shared.HasHandlers`

`fireEvent`

Methods inherited from interface `com.google.gwt.user.client.ui.IsWidget`

`asWidget`

Methods inherited from interface com.google.gwt.user.client.ui.IsRenderable

claimElement, initializeClaimedElement, render, render

Methods inherited from interface io.ashton.fastpress.client.fast.HasPressHandlers

addPressHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface io.ashton.fastpress.client.fast.PressHandler

onPress

Fields

fp

protected nl.tue.fingerpaint.client.Fingerpaint **fp**

Reference to the endpoint. Used to call the functionality of the graph visualisator.

as

protected nl.tue.fingerpaint.client.model.ApplicationState **as**

Reference to the model. Used to retrieve the segregation of the previously executed mixing run.

Constructors

ViewSingleGraphButton

```
public ViewSingleGraphButton(Fingerpaint parent,
                             ApplicationState appState)
```

Construct a new button that can be used to view the performance of the previously executed mixing run in a single graph.

Parameters:

parent - Reference to the endpoint, used to call the functionality of the graph visualisator.

appState - Reference to the model, used to retrieve the segregation of the previously executed mixing run.

Methods

onPress

```
public void onPress(io.ashton.fastpress.client.fast.PressEvent event)
```

Shows a graph of the current mixing run.

Parameters:

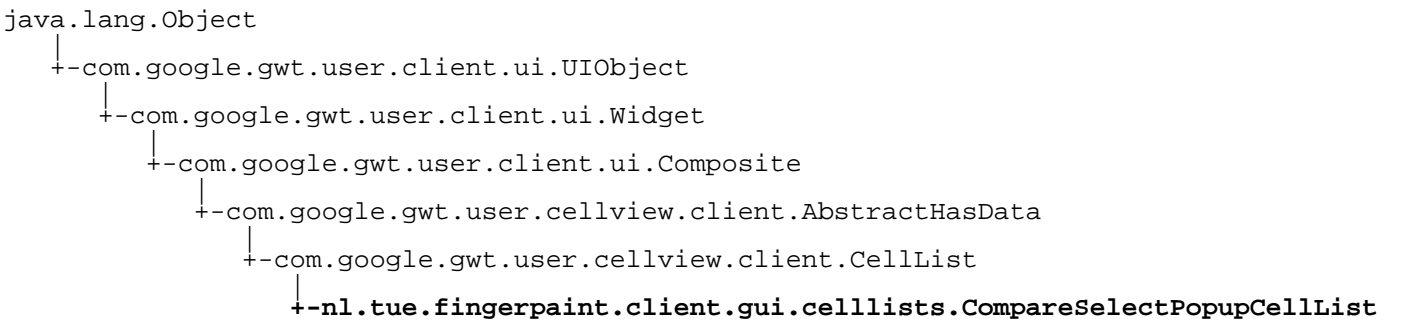
event - The event that has fired.

Package

nl.tue.fingerpaint.client.gui.celllists

nl.tue.fingerpaint.client.gui.celllists

Class CompareSelectPopupCellList



All Implemented Interfaces:
com.google.gwt.view.client.CellPreviewEvent.Handler, com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.Event.Listener, com.google.gwt.user.client.ui.IsRenderable, com.google.gwt.user.cellview.client.HasKeyboardPagingPolicy, com.google.gwt.user.client.ui.Focusable, com.google.gwt.view.client.HasKeyProvider, com.google.gwt.view.client.HasData

public class **CompareSelectPopupCellList**
extends com.google.gwt.user.cellview.client.CellList
implements com.google.gwt.view.client.HasData, com.google.gwt.view.client.HasKeyProvider, com.google.gwt.user.client.ui.Focusable, com.google.gwt.user.cellview.client.HasKeyboardPagingPolicy, com.google.gwt.user.client.ui.IsRenderable, com.google.gwt.user.client.Event.Listener, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.view.client.CellPreviewEvent.Handler

CellList that can be used to select multiple mixing runs from all available saved mixing runs.

Field Summary

| | |
|-----------------|---|
| protected final | selectionEventManager The selection event manager of this cell list. |
| protected final | selectionModel The selection model of this cell list. |

Fields inherited from class com.google.gwt.user.client.ui.UIObject

| |
|-----------------|
| DEBUG_ID_PREFIX |
|-----------------|

Constructor Summary

| | |
|--------|---|
| public | CompareSelectPopupCellList() Construct a new cell list that can be used to select multiple mixing runs from all available saved mixing runs. |
|--------|---|

Method Summary

| | |
|--|---|
| com.google.gwt.view.client.MultiSelectionModel | getSelectionModel() Returns the set of selected results. |
|--|---|

| | |
|------|--|
| void | onCellPreview (com.google.gwt.view.client.CellPreviewEvent event) Toggles the item which was clicked or tapped to selected or unselected. |
|------|--|

Methods inherited from class com.google.gwt.user.cellview.client.CellList

dependsOnSelection, doAttachChildren, doDetachChildren, fireEventToCell, getCell, getCellParent, getChildContainer, getEmptyListMessage, getEmptyListWidget, getKeyboardSelectedElement, getLoadingIndicator, getRowElement, isKeyboardNavigationSuppressed, onBlur, onBrowserEvent2, onFocus, onLoadingStateChanged, renderRowValues, resetFocusOnCell, setEmptyListMessage, setEmptyListWidget, setKeyboardSelected, setLoadingIndicator, setSelected, setValueUpdater

Methods inherited from class com.google.gwt.user.cellview.client.AbstractHasData

addCellPreviewHandler, addLoadingStateChangeHandler, addRangeChangeHandler, addRowCountChangeHandler, cellConsumesEventType, checkRowBounds, convertToElements, dependsOnSelection, getAccessKey, getChildContainer, getChildElement, getDisplayedItem, getDisplayedItems, getKeyboardPagingPolicy, getKeyboardSelectedElement, getKeyboardSelectedRow, getKeyboardSelectionPolicy, getKeyProvider, getPageSize, getPageStart, getRowContainer, getRowCount, getSelectionModel, getTabIndex, getValueKey, getVisibleItem, getVisibleItemCount, getVisibleItems, getVisibleRange, isKeyboardNavigationSuppressed, isRowCountExact, isRowWithinBounds, onBlur, onBrowserEvent, onBrowserEvent2, onFocus, onLoadingStateChanged, onUnload, redraw, redrawRow, renderRowValues, replaceAllChildren, replaceChildren, resetFocusOnCell, setAccessKey, setFocus, setFocusable, setKeyboardPagingPolicy, setKeyboardSelected, setKeyboardSelectedRow, setKeyboardSelectedRow, setKeyboardSelectionHandler, setKeyboardSelectionPolicy, setPageSize, setPageStart, setRowCount, setRowCount, setRowData, setRowData, setSelected, setSelectionModel, setSelectionModel, setTabIndex, setVisibleRange, setVisibleRange, setVisibleRangeAndClearData

Methods inherited from class com.google.gwt.user.client.ui.Composite

claimElement, getWidget, initializeClaimedElement, initWidget, isAttached, onAttach, onBrowserEvent, onDetach, render, render, resolvePotentialElement, setWidget

Methods inherited from class com.google.gwt.user.client.ui.Widget

addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget, asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren, doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached, isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload, removeFromParent, setLayoutData, sinkEvents

Methods inherited from class com.google.gwt.user.client.ui.UIObject

addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId, getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth, getStyleElement, getStyleName, getStyleName, getStylePrimaryName, getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId, removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement, setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName, setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString, unsinkEvents

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface com.google.gwt.user.client.ui.HasVisibility

isVisible, setVisible

Methods inherited from interface com.google.gwt.user.client.EventListener

onBrowserEvent

Methods inherited from interface com.google.gwt.event.logical.shared.HasAttachHandlers

addAttachHandler, isAttached

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.IsWidget

asWidget

Methods inherited from interface com.google.gwt.user.client.ui.IsRenderable

claimElement, initializeClaimedElement, render, render

Methods inherited from interface com.google.gwt.view.client.HasData

getSelectionModel, getVisibleItem, getVisibleItemCount, getVisibleItems, setRowData, setSelectionModel, setVisibleRangeAndClearData

Methods inherited from interface com.google.gwt.view.client.HasRows

addRangeChangeHandler, addRowCountChangeHandler, getRowCount, getVisibleRange, isRowCountExact, setRowCount, setRowCount, setVisibleRange, setVisibleRange

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.view.client.HasCellPreviewHandlers

addCellPreviewHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.view.client.HasKeyProvider

getKeyProvider

Methods inherited from interface com.google.gwt.user.client.ui.Focusable

```
getTabIndex, setAccessKey, setFocus, setTabIndex
```

```
Methods inherited from interface com.google.gwt.user.cellview.client.HasKeyboardPagingPolicy
```

```
getKeyboardPagingPolicy, setKeyboardPagingPolicy
```

```
Methods inherited from interface com.google.gwt.user.cellview.client.HasKeyboardSelectionPolicy
```

```
getKeyboardSelectionPolicy, setKeyboardSelectionPolicy
```

```
Methods inherited from interface com.google.gwt.view.client.CellPreviewEvent.Handler
```

```
onCellPreview
```

Fields

selectionModel

```
protected final com.google.gwt.view.client.MultiSelectionModel selectionModel
```

The selection model of this cell list.

selectionEventManager

```
protected final com.google.gwt.view.client.CellPreviewEvent.Handler  
selectionEventManager
```

The selection event manager of this cell list.

Constructors

CompareSelectPopupCellList

```
public CompareSelectPopupCellList()
```

Construct a new cell list that can be used to select multiple mixing runs from all available saved mixing runs.

Methods

getSelectionModel

```
public com.google.gwt.view.client.MultiSelectionModel getSelectionModel()
```

Returns the set of selected results.

Returns:

the set of selected results.

onCellPreview

```
public void onCellPreview(com.google.gwt.view.client.CellPreviewEvent event)
```

Toggles the item which was clicked or tapped to selected or unselected.

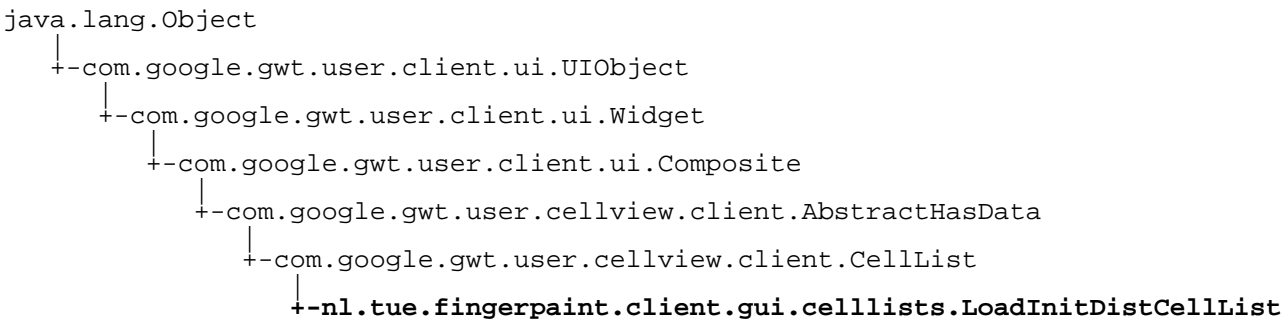
Parameters:

(continued from last page)

event - The name that was clicked or tapped.

nl.tue.fingerpaint.client.gui.celllists

Class LoadInitDistCellList



All Implemented Interfaces:
com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget,
com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener,
com.google.gwt.user.client.ui.IsRenderable, com.google.gwt.user.cellview.client.HasKeyboardPagingPolicy,
com.google.gwt.user.client.ui.Focusable, com.google.gwt.view.client.HasKeyProvider,
com.google.gwt.view.client.HasData

```
public class LoadInitDistCellList
extends com.google.gwt.user.cellview.client.CellList
```

CellList that is used to show all saved initial distributions, of which the user can select one to load.

| Field Summary | |
|---------------|---|
| protected | as Reference to the model. |

| Fields inherited from class com.google.gwt.user.client.ui.UIObject | |
|--|--|
| DEBUG_ID_PREFIX | |

| Constructor Summary | |
|---------------------|--|
| public | LoadInitDistCellList (ApplicationState appState) Construct a new cell list that can be used to select multiple mixing runs from all available saved mixing runs. |

| Method Summary | |
|----------------|---|
| void | fillCellList (java.util.List geometryDistributions) Fills this CellList with the items in geometryDistributions. |

| Methods inherited from class com.google.gwt.user.cellview.client.CellList | |
|---|--|
|---|--|

dependsOnSelection, doAttachChildren, doDetachChildren, fireEventToCell, getCell, getCellParent, getChildContainer, getEmptyListMessage, getEmptyListWidget, getKeyboardSelectedElement, getLoadingIndicator, getRowElement, isKeyboardNavigationSuppressed, onBlur, onBrowserEvent2, onFocus, onLoadingStateChanged, renderRowValues, resetFocusOnCell, setEmptyListMessage, setEmptyListWidget, setKeyboardSelected, setLoadingIndicator, setSelected, setValueUpdater

Methods inherited from class com.google.gwt.user.cellview.client.AbstractHasData

addCellPreviewHandler, addLoadingStateChangeHandler, addRangeChangeHandler, addRowCountChangeHandler, cellConsumesEventType, checkRowBounds, convertToElements, dependsOnSelection, getAccessKey, getChildContainer, getChildElement, getDisplayedItem, getDisplayedItems, getKeyboardPagingPolicy, getKeyboardSelectedElement, getKeyboardSelectedRow, getKeyboardSelectionPolicy, getKeyProvider, getPageSize, getPageStart, getRowContainer, getRowCount, getSelectionModel, getTabIndex, getValueKey, getVisibleItem, getVisibleItemCount, getVisibleItems, getVisibleRange, isKeyboardNavigationSuppressed, isRowCountExact, isRowWithinBounds, onBlur, onBrowserEvent, onBrowserEvent2, onFocus, onLoadingStateChanged, onUnload, redraw, redrawRow, renderRowValues, replaceAllChildren, replaceChildren, resetFocusOnCell, setAccessKey, setFocus, setFocusable, setKeyboardPagingPolicy, setKeyboardSelected, setKeyboardSelectedRow, setKeyboardSelectedRow, setKeyboardSelectionHandler, setKeyboardSelectionPolicy, setPageSize, setPageStart, setRowCount, setRowCount, setRowData, setRowData, setSelected, setSelectionModel, setSelectionModel, setTabIndex, setVisibleRange, setVisibleRange, setVisibleRangeAndClearData

Methods inherited from class com.google.gwt.user.client.ui.Composite

claimElement, getWidget, initializeClaimedElement, initWidget, isAttached, onAttach, onBrowserEvent, onDetach, render, render, resolvePotentialElement, setWidget

Methods inherited from class com.google.gwt.user.client.ui.Widget

addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget, asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren, doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached, isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload, removeFromParent, setLayoutData, sinkEvents

Methods inherited from class com.google.gwt.user.client.ui.UIObject

addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId, getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth, getStyleElement, getStyleName, getStyleName, getStylePrimaryName, getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId, removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement, setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName, setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString, unsinkEvents

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface com.google.gwt.user.client.ui.HasVisibility

isVisible, setVisible

Methods inherited from interface com.google.gwt.user.client.EventListener

onBrowserEvent

Methods inherited from interface com.google.gwt.event.logical.shared.HasAttachHandlers

addAttachHandler, isAttached

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.IsWidget

asWidget

Methods inherited from interface com.google.gwt.user.client.ui.IsRenderable

claimElement, initializeClaimedElement, render, render

Methods inherited from interface com.google.gwt.view.client.HasData

getSelectionModel, getVisibleItem, getVisibleItemCount, getVisibleItems, setRowData, setSelectionModel, setVisibleRangeAndClearData

Methods inherited from interface com.google.gwt.view.client.HasRows

addRangeChangeHandler, addRowCountChangeHandler, getRowCount, getVisibleRange, isRowCountExact, setRowCount, setRowCount, setVisibleRange, setVisibleRange

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.view.client.HasCellPreviewHandlers

addCellPreviewHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.view.client.HasKeyProvider

getKeyProvider

Methods inherited from interface com.google.gwt.user.client.ui.Focusable

getTabIndex, setAccessKey, setFocus, setTabIndex

Methods inherited from interface com.google.gwt.user.cellview.client.HasKeyboardPagingPolicy

getKeyboardPagingPolicy, setKeyboardPagingPolicy

Methods inherited from interface `com.google.gwt.user.cellview.client.HasKeyboardSelectionPolicy`

`getKeyboardSelectionPolicy, setKeyboardSelectionPolicy`

Fields

as

`protected nl.tue.fingerpaint.client.model.ApplicationState as`

Reference to the model. Used to set the loaded concentration distribution.

Constructors

LoadInitDistCellList

`public LoadInitDistCellList(ApplicationState appState)`

Construct a new cell list that can be used to select multiple mixing runs from all available saved mixing runs.

Parameters:

`appState` - Reference to the model, used to set the selected concentration distribution.

Methods

fillCellList

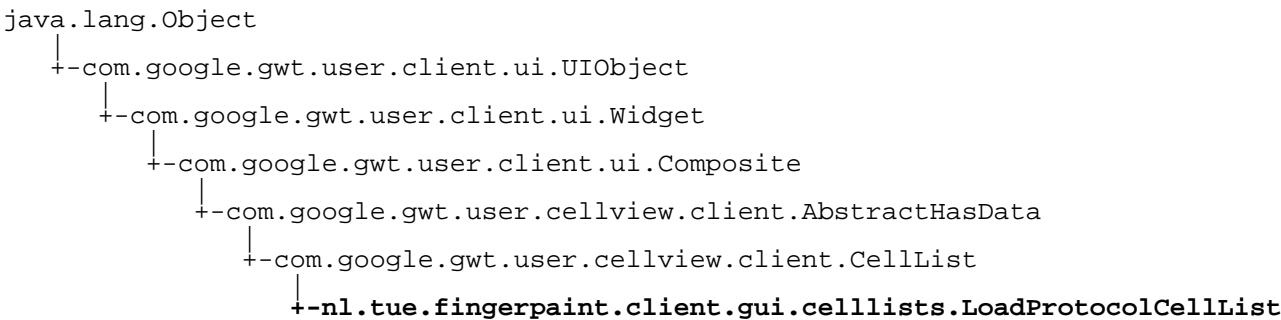
`public void fillCellList(java.util.List geometryDistributions)`

Fills this CellList with the items in geometryDistributions.

Parameters:

`geometryDistributions` - List of all initial concentration distributions currently stored in the local storage.

nl.tue.fingerpaint.client.gui.celllists
Class LoadProtocolCellList



All Implemented Interfaces:
com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget,
com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener,
com.google.gwt.user.client.ui.IsRenderable, com.google.gwt.user.cellview.client.HasKeyboardPagingPolicy,
com.google.gwt.user.client.ui.Focusable, com.google.gwt.view.client.HasKeyProvider,
com.google.gwt.view.client.HasData

public class **LoadProtocolCellList**
extends com.google.gwt.user.cellview.client.CellList

CellList that can be used to load a previously saved mixing protocol.

| Field Summary | |
|-----------------|--|
| protected | as Reference to the model. |
| protected final | selectionModel The selection model of this cell list. |

| Fields inherited from class com.google.gwt.user.client.ui.UIObject | |
|--|--|
| DEBUG_ID_PREFIX | |

| Constructor Summary | |
|---------------------|---|
| public | LoadProtocolCellList (ApplicationState appState) Construct a new cell list that can be used to load a previously saved mixing protocol. |

| Method Summary | |
|----------------|---|
| void | fillCellList (java.util.List geometryProtocols) Fills this CellList with the items in geometryProtocols. |

| Methods inherited from class com.google.gwt.user.cellview.client.CellList | |
|---|--|
|---|--|

dependsOnSelection, doAttachChildren, doDetachChildren, fireEventToCell, getCell, getCellParent, getChildContainer, getEmptyListMessage, getEmptyListWidget, getKeyboardSelectedElement, getLoadingIndicator, getRowElement, isKeyboardNavigationSuppressed, onBlur, onBrowserEvent2, onFocus, onLoadingStateChanged, renderRowValues, resetFocusOnCell, setEmptyListMessage, setEmptyListWidget, setKeyboardSelected, setLoadingIndicator, setSelected, setValueUpdater

Methods inherited from class com.google.gwt.user.cellview.client.AbstractHasData

addCellPreviewHandler, addLoadingStateChangeHandler, addRangeChangeHandler, addRowCountChangeHandler, cellConsumesEventType, checkRowBounds, convertToElements, dependsOnSelection, getAccessKey, getChildContainer, getChildElement, getDisplayedItem, getDisplayedItems, getKeyboardPagingPolicy, getKeyboardSelectedElement, getKeyboardSelectedRow, getKeyboardSelectionPolicy, getKeyProvider, getPageSize, getPageStart, getRowContainer, getRowCount, getSelectionModel, getTabIndex, getValueKey, getVisibleItem, getVisibleItemCount, getVisibleItems, getVisibleRange, isKeyboardNavigationSuppressed, isRowCountExact, isRowWithinBounds, onBlur, onBrowserEvent, onBrowserEvent2, onFocus, onLoadingStateChanged, onUnload, redraw, redrawRow, renderRowValues, replaceAllChildren, replaceChildren, resetFocusOnCell, setAccessKey, setFocus, setFocusable, setKeyboardPagingPolicy, setKeyboardSelected, setKeyboardSelectedRow, setKeyboardSelectedRow, setKeyboardSelectionHandler, setKeyboardSelectionPolicy, setPageSize, setPageStart, setRowCount, setRowCount, setRowData, setRowData, setSelected, setSelectionModel, setSelectionModel, setTabIndex, setVisibleRange, setVisibleRange, setVisibleRangeAndClearData

Methods inherited from class com.google.gwt.user.client.ui.Composite

claimElement, getWidget, initializeClaimedElement, initWidget, isAttached, onAttach, onBrowserEvent, onDetach, render, render, resolvePotentialElement, setWidget

Methods inherited from class com.google.gwt.user.client.ui.Widget

addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget, asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren, doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached, isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload, removeFromParent, setLayoutData, sinkEvents

Methods inherited from class com.google.gwt.user.client.ui.UIObject

addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId, getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth, getStyleElement, getStyleName, getStyleName, getStylePrimaryName, getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId, removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement, setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName, setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString, unsinkEvents

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface com.google.gwt.user.client.ui.HasVisibility

isVisible, setVisible

Methods inherited from interface com.google.gwt.user.client.EventListener

onBrowserEvent

Methods inherited from interface com.google.gwt.event.logical.shared.HasAttachHandlers

addAttachHandler, isAttached

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.IsWidget

asWidget

Methods inherited from interface com.google.gwt.user.client.ui.IsRenderable

claimElement, initializeClaimedElement, render, render

Methods inherited from interface com.google.gwt.view.client.HasData

getSelectionModel, getVisibleItem, getVisibleItemCount, getVisibleItems, setRowData, setSelectionModel, setVisibleRangeAndClearData

Methods inherited from interface com.google.gwt.view.client.HasRows

addRangeChangeHandler, addRowCountChangeHandler, getRowCount, getVisibleRange, isRowCountExact, setRowCount, setRowCount, setVisibleRange, setVisibleRange

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.view.client.HasCellPreviewHandlers

addCellPreviewHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.view.client.HasKeyProvider

getKeyProvider

Methods inherited from interface com.google.gwt.user.client.ui.Focusable

getTabIndex, setAccessKey, setFocus, setTabIndex

Methods inherited from interface com.google.gwt.user.cellview.client.HasKeyboardPagingPolicy

getKeyboardPagingPolicy, setKeyboardPagingPolicy

Methods inherited from interface `com.google.gwt.user.cellview.client.HasKeyboardSelectionPolicy``getKeyboardSelectionPolicy, setKeyboardSelectionPolicy`

Fields

as

`protected nl.tue.fingerpaint.client.model.ApplicationState as`

Reference to the model. Used to set the protocol and retrieve the current geometry choice.

selectionModel

`protected final com.google.gwt.view.client.SingleSelectionModel selectionModel`

The selection model of this cell list.

Constructors

LoadProtocolCellList

`public LoadProtocolCellList(ApplicationState appState)`

Construct a new cell list that can be used to load a previously saved mixing protocol.

Parameters:

`appState` - Reference to the model, used to set the protocol and retrieve the current geometry choice.

Methods

fillCellList

`public void fillCellList(java.util.List geometryProtocols)`

Fills this CellList with the items in geometryProtocols.

Parameters:

`geometryProtocols` - List of all mixing protocols currently stored in the local storage.

nl.tue.fingerpaint.client.gui.celllists

Class LoadResultsCellList

```

java.lang.Object
├── com.google.gwt.user.client.ui.UIObject
│   ├── com.google.gwt.user.client.ui.Widget
│   │   ├── com.google.gwt.user.client.ui.Composite
│   │   │   ├── com.google.gwt.user.cellview.client.AbstractHasData
│   │   │   │   ├── com.google.gwt.user.cellview.client.CellList
│   │   │   │   └── nl.tue.fingerpaint.client.gui.celllists.LoadResultsCellList

```

All Implemented Interfaces:

com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget,
 com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener,
 com.google.gwt.user.client.ui.IsRenderable, com.google.gwt.user.cellview.client.HasKeyboardPagingPolicy,
 com.google.gwt.user.client.ui.Focusable, com.google.gwt.view.client.HasKeyProvider,
 com.google.gwt.view.client.HasData

```

public class LoadResultsCellList
extends com.google.gwt.user.cellview.client.CellList

```

CellList that is used to show all saved results, of which the user can select one to load.

Field Summary

| | |
|-----------|---|
| protected | as Reference to the model. |
| protected | fp Fingerprint class needed for mixing |

Fields inherited from class com.google.gwt.user.client.ui.UIObject

DEBUG_ID_PREFIX

Constructor Summary

| | |
|--------|--|
| public | LoadResultsCellList (Fingerprint fp, ApplicationState appState) Construct a new cell list that can be used to select results from all available saved results. |
|--------|--|

Method Summary

| | |
|------|---|
| void | fillCellList (java.util.List results) Fills this CellList with the items in results. |
| void | recompute (ResultStorage result) Recomputes the result distribution to match the stored values, data for the calculation is taken from the parameter result |

Methods inherited from class com.google.gwt.user.cellview.client.CellList

dependsOnSelection, doAttachChildren, doDetachChildren, fireEventToCell, getCell, getCellParent, getChildContainer, getEmptyListMessage, getEmptyListWidget, getKeyboardSelectedElement, getLoadingIndicator, getRowElement, isKeyboardNavigationSuppressed, onBlur, onBrowserEvent2, onFocus, onLoadingStateChanged, renderRowValues, resetFocusOnCell, setEmptyListMessage, setEmptyListWidget, setKeyboardSelected, setLoadingIndicator, setSelected, setValueUpdater

Methods inherited from class com.google.gwt.user.cellview.client.AbstractHasData

addCellPreviewHandler, addLoadingStateChangeHandler, addRangeChangeHandler, addRowCountChangeHandler, cellConsumesEventType, checkRowBounds, convertToElements, dependsOnSelection, getAccessKey, getChildContainer, getChildElement, getDisplayedItem, getDisplayedItems, getKeyboardPagingPolicy, getKeyboardSelectedElement, getKeyboardSelectedRow, getKeyboardSelectionPolicy, getKeyProvider, getPageSize, getPageStart, getRowContainer, getRowCount, getSelectionModel, getTabIndex, getValueKey, getVisibleItem, getVisibleItemCount, getVisibleItems, getVisibleRange, isKeyboardNavigationSuppressed, isRowCountExact, isRowWithinBounds, onBlur, onBrowserEvent, onBrowserEvent2, onFocus, onLoadingStateChanged, onUnload, redraw, redrawRow, renderRowValues, replaceAllChildren, replaceChildren, resetFocusOnCell, setAccessKey, setFocus, setFocusable, setKeyboardPagingPolicy, setKeyboardSelected, setKeyboardSelectedRow, setKeyboardSelectedRow, setKeyboardSelectionHandler, setKeyboardSelectionPolicy, setPageSize, setPageStart, setRowCount, setRowCount, setRowData, setRowData, setSelected, setSelectionModel, setSelectionModel, setTabIndex, setVisibleRange, setVisibleRange, setVisibleRangeAndClearData

Methods inherited from class com.google.gwt.user.client.ui.Composite

claimElement, getWidget, initializeClaimedElement, initWidget, isAttached, onAttach, onBrowserEvent, onDetach, render, render, resolvePotentialElement, setWidget

Methods inherited from class com.google.gwt.user.client.ui.Widget

addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget, asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren, doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached, isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload, removeFromParent, setLayoutData, sinkEvents

Methods inherited from class com.google.gwt.user.client.ui.UIObject

addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId, getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth, getStyleElement, getStyleName, getStyleName, getStylePrimaryName, getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId, removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement, setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName, setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString, unsinkEvents

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface com.google.gwt.user.client.ui.HasVisibility

isVisible, setVisible

Methods inherited from interface com.google.gwt.user.client.EventListener

onBrowserEvent

Methods inherited from interface com.google.gwt.event.logical.shared.HasAttachHandlers

addAttachHandler, isAttached

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.IsWidget

asWidget

Methods inherited from interface com.google.gwt.user.client.ui.IsRenderable

claimElement, initializeClaimedElement, render, render

Methods inherited from interface com.google.gwt.view.client.HasData

getSelectionModel, getVisibleItem, getVisibleItemCount, getVisibleItems, setRowData, setSelectionModel, setVisibleRangeAndClearData

Methods inherited from interface com.google.gwt.view.client.HasRows

addRangeChangeHandler, addRowCountChangeHandler, getRowCount, getVisibleRange, isRowCountExact, setRowCount, setRowCount, setVisibleRange, setVisibleRange

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.view.client.HasCellPreviewHandlers

addCellPreviewHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.view.client.HasKeyProvider

getKeyProvider

Methods inherited from interface com.google.gwt.user.client.ui.Focusable

getTabIndex, setAccessKey, setFocus, setTabIndex

Methods inherited from interface com.google.gwt.user.cellview.client.HasKeyboardPagingPolicy

getKeyboardPagingPolicy, setKeyboardPagingPolicy

Methods inherited from interface `com.google.gwt.user.cellview.client.HasKeyboardSelectionPolicy`

`getKeyboardSelectionPolicy, setKeyboardSelectionPolicy`

Fields

as

`protected nl.tue.fingerpaint.client.model.ApplicationState as`

Reference to the model. Used to set the loaded results.

fp

`protected nl.tue.fingerpaint.client.Fingerpaint fp`

Fingerpaint class needed for mixing

Constructors

LoadResultsCellList

`public LoadResultsCellList(Fingerpaint fp,
ApplicationState appState)`

Construct a new cell list that can be used to select results from all available saved results.

Parameters:

`fp` - Reference to the entryPoint, needed to execute the loaded mixing run.

`appState` - Reference to the model, used to set the selected concentration distribution.

Methods

fillCellList

`public void fillCellList(java.util.List results)`

Fills this CellList with the items in results.

Parameters:

`results` - List of all initial concentration distributions currently stored in the local storage.

recompute

`protected void recompute(ResultStorage result)`

Recomputes the result distribution to match the stored values, data for the calculation is taken from the parameter result

Parameters:

`result` - the result containing the initial distribution and the protocol

Package

nl.tue.fingerpaint.client.gui.flextables

nl.tue.fingerpaint.client.gui.flextables Class InitDistFlexTable

```

java.lang.Object
├── com.google.gwt.user.client.ui.UIObject
│   ├── com.google.gwt.user.client.ui.Widget
│   │   ├── com.google.gwt.user.client.ui.Panel
│   │   │   ├── com.google.gwt.user.client.ui.HTMLTable
│   │   │   │   ├── com.google.gwt.user.client.ui.FlexTable
│   │   │   │   └── nl.tue.fingerpaint.client.gui.flextables.InitDistFlexTable

```

All Implemented Interfaces:

com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget,
com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener,
com.google.gwt.user.client.ui.HasWidgets.ForIsWidget, com.google.gwt.event.dom.client.HasDoubleClickHandlers,
com.google.gwt.event.dom.client.HasClickHandlers, com.google.gwt.event.dom.client.HasAllDragAndDropHandlers,
com.google.gwt.user.client.ui.SourcesTableEvents

```

public class InitDistFlexTable
extends com.google.gwt.user.client.ui.FlexTable

```

FlexTable that displays all protocols currently stored in the local storage .

Fields inherited from class com.google.gwt.user.client.ui.UIObject

DEBUG_ID_PREFIX

Constructor Summary

| | |
|--------|---|
| public | InitDistFlexTable() Construct a new FlexTable that can be used to display all results currently stored in the local storage. |
|--------|---|

Method Summary

| | |
|------|---|
| void | fillFlexTable (java.util.ArrayList initDists, java.lang.String geom) Fills this FlexTable with the items in results. |
|------|---|

Methods inherited from class com.google.gwt.user.client.ui.FlexTable

addCell, getCellCount, getFlexCellFormatter, getRowCount, insertCell, insertRow,
prepareCell, prepareRow, removeAllRows, removeCell, removeCells, removeRow

Methods inherited from class com.google.gwt.user.client.ui.HTMLTable

addClickHandler, addDoubleClickHandler, addDragEndHandler, addDragEnterHandler, addDragHandler, addDragLeaveHandler, addDragOverHandler, addDragStartHandler, addDropHandler, addTableListener, checkCellBounds, checkRowBounds, clear, clear, clearCell, createCell, getBodyElement, getCellCount, getCellForEvent, getCellFormatter, getCellPadding, getCellSpacing, getColumnFormatter, getDOMCellCount, getDOMCellCount, getDOMRowCount, getDOMRowCount, getEventTargetCell, getHTML, getRowCount, getRowFormatter, getText, getWidget, insertCell, insertCells, insertRow, internalClearCell, isCellPresent, iterator, onEnsureDebugId, prepareCell, prepareColumn, prepareRow, remove, removeCell, removeRow, removeTableListener, setBorderWidth, setCellFormatter, setCellPadding, setCellSpacing, setColumnFormatter, setHTML, setHTML, setRowFormatter, setText, setWidget, setWidget

Methods inherited from class com.google.gwt.user.client.ui.Panel

add, add, adopt, adopt, clear, disown, doAttachChildren, doDetachChildren, orphan, remove, remove

Methods inherited from class com.google.gwt.user.client.ui.Widget

addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget, asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren, doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached, isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload, removeFromParent, setLayoutData, sinkEvents

Methods inherited from class com.google.gwt.user.client.ui.UIObject

addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId, getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth, getStyleElement, getStyleName, getStyleName, getStylePrimaryName, getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId, removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement, setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName, setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString, unsinkEvents

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface com.google.gwt.user.client.ui.HasVisibility

isVisible, setVisible

Methods inherited from interface com.google.gwt.user.client.EventListener

onBrowserEvent

Methods inherited from interface com.google.gwt.event.logical.shared.HasAttachHandlers

addAttachHandler, isAttached

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.IsWidget

asWidget

Methods inherited from interface com.google.gwt.user.client.ui.HasWidgets.ForIsWidget

add, remove

Methods inherited from interface com.google.gwt.user.client.ui.HasWidgets

add, clear, iterator, remove

Methods inherited from interface java.lang.Iterable

iterator

Methods inherited from interface com.google.gwt.user.client.ui.SourcesTableEvents

addTableListener, removeTableListener

Methods inherited from interface com.google.gwt.event.dom.client.HasDragEndHandlers

addDragEndHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDragEnterHandlers

addDragEnterHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDragLeaveHandlers

addDragLeaveHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDragHandlers

addDragHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDragOverHandlers

addDragOverHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

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| fireEvent |
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| Methods inherited from interface com.google.gwt.event.dom.client.HasDragStartHandlers |
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| addDragStartHandler |
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| Methods inherited from interface com.google.gwt.event.shared.HasHandlers |
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| fireEvent |
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| Methods inherited from interface com.google.gwt.event.dom.client.HasDropHandlers |
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| addDropHandler |
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| Methods inherited from interface com.google.gwt.event.shared.HasHandlers |
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| fireEvent |
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| Methods inherited from interface com.google.gwt.event.dom.client.HasClickHandlers |
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| addClickHandler |
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| Methods inherited from interface com.google.gwt.event.shared.HasHandlers |
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| fireEvent |
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| Methods inherited from interface com.google.gwt.event.dom.client.HasDoubleClickHandlers |
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| addDoubleClickHandler |
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| Methods inherited from interface com.google.gwt.event.shared.HasHandlers |
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| fireEvent |
|-----------|

Constructors

InitDistFlexTable

```
public InitDistFlexTable()
```

Construct a new FlexTable that can be used to display all results currently stored in the local storage. Also allows for removing these results individually.

Methods

fillFlexTable

```
public void fillFlexTable(java.util.ArrayList initDists,  
    java.lang.String geom)
```

Fills this FlexTable with the items in results. Also adds a click handler for each item in the FlexTable, to remove the item.

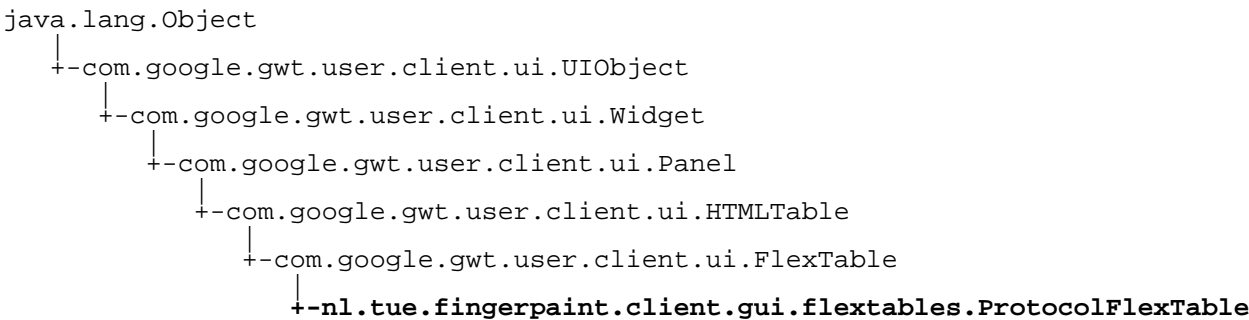
Parameters:

`initDists` - List of all results currently stored in the local storage.

`geom` - Currently selected geometry: used to locate the distribution in the local storage.

nl.tue.fingerpaint.client.gui.flextables

Class ProtocolFlexTable



All Implemented Interfaces:
com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget,
com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener,
com.google.gwt.user.client.ui.HasWidgets.ForIsWidget, com.google.gwt.event.dom.client.HasDoubleClickHandlers,
com.google.gwt.event.dom.client.HasClickHandlers, com.google.gwt.event.dom.client.HasAllDragAndDropHandlers,
com.google.gwt.user.client.ui.SourcesTableEvents

```
public class ProtocolFlexTable
extends com.google.gwt.user.client.ui.FlexTable
```

FlexTable that displays all protocols currently stored in the local storage .

| Fields inherited from class com.google.gwt.user.client.ui.UIObject | |
|--|--|
| DEBUG_ID_PREFIX | |

| Constructor Summary | |
|---------------------|---|
| public | ProtocolFlexTable() Construct a new FlexTable that can be used to display all results currently stored in the local storage. |

| Method Summary | |
|----------------|---|
| void | fillFlexTable (java.util.ArrayList protocols, java.lang.String geom) Fills this FlexTable with the items in results. |

| Methods inherited from class com.google.gwt.user.client.ui.FlexTable | |
|---|--|
| addCell, getCellCount, getFlexCellFormatter, getRowCount, insertCell, insertRow, prepareCell, prepareRow, removeAllRows, removeCell, removeCells, removeRow | |

| Methods inherited from class com.google.gwt.user.client.ui.HTMLTable | |
|--|--|
|--|--|

addClickHandler, addDoubleClickHandler, addDragEndHandler, addDragEnterHandler, addDragHandler, addDragLeaveHandler, addDragOverHandler, addDragStartHandler, addDropHandler, addTableListener, checkCellBounds, checkRowBounds, clear, clear, clearCell, createCell, getBodyElement, getCellCount, getCellForEvent, getCellFormatter, getCellPadding, getCellSpacing, getColumnFormatter, getDOMCellCount, getDOMCellCount, getDOMRowCount, getDOMRowCount, getEventTargetCell, getHTML, getRowCount, getRowFormatter, getText, getWidget, insertCell, insertCells, insertRow, internalClearCell, isCellPresent, iterator, onEnsureDebugId, prepareCell, prepareColumn, prepareRow, remove, removeCell, removeRow, removeTableListener, setBorderWidth, setCellFormatter, setCellPadding, setCellSpacing, setColumnFormatter, setHTML, setHTML, setRowFormatter, setText, setWidget, setWidget

Methods inherited from class com.google.gwt.user.client.ui.Panel

add, add, adopt, adopt, clear, disown, doAttachChildren, doDetachChildren, orphan, remove, remove

Methods inherited from class com.google.gwt.user.client.ui.Widget

addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget, asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren, doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached, isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload, removeFromParent, setLayoutData, sinkEvents

Methods inherited from class com.google.gwt.user.client.ui.UIObject

addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId, getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth, getStyleElement, getStyleName, getStyleName, getStylePrimaryName, getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId, removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement, setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName, setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString, unsinkEvents

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface com.google.gwt.user.client.ui.HasVisibility

isVisible, setVisible

Methods inherited from interface com.google.gwt.user.client.EventListener

onBrowserEvent

Methods inherited from interface com.google.gwt.event.logical.shared.HasAttachHandlers

addAttachHandler, isAttached

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.IsWidget

asWidget

Methods inherited from interface com.google.gwt.user.client.ui.HasWidgets.ForIsWidget

add, remove

Methods inherited from interface com.google.gwt.user.client.ui.HasWidgets

add, clear, iterator, remove

Methods inherited from interface java.lang.Iterable

iterator

Methods inherited from interface com.google.gwt.user.client.ui.SourcesTableEvents

addTableListener, removeTableListener

Methods inherited from interface com.google.gwt.event.dom.client.HasDragEndHandlers

addDragEndHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDragEnterHandlers

addDragEnterHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDragLeaveHandlers

addDragLeaveHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDragHandlers

addDragHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDragOverHandlers

addDragOverHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

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| fireEvent |
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| Methods inherited from interface com.google.gwt.event.dom.client.HasDragStartHandlers |
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| addDragStartHandler |
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| Methods inherited from interface com.google.gwt.event.shared.HasHandlers |
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| fireEvent |
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| Methods inherited from interface com.google.gwt.event.dom.client.HasDropHandlers |
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| addDropHandler |
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| Methods inherited from interface com.google.gwt.event.shared.HasHandlers |
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| fireEvent |
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| Methods inherited from interface com.google.gwt.event.dom.client.HasClickHandlers |
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| addClickHandler |
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| Methods inherited from interface com.google.gwt.event.shared.HasHandlers |
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| fireEvent |
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| Methods inherited from interface com.google.gwt.event.dom.client.HasDoubleClickHandlers |
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| addDoubleClickHandler |
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| Methods inherited from interface com.google.gwt.event.shared.HasHandlers |
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|-----------|
| fireEvent |
|-----------|

Constructors

ProtocolFlexTable

```
public ProtocolFlexTable()
```

Construct a new FlexTable that can be used to display all results currently stored in the local storage. Also allows for removing these results individually.

Methods

fillFlexTable

```
public void fillFlexTable(java.util.ArrayList protocols,  
                           java.lang.String geom)
```

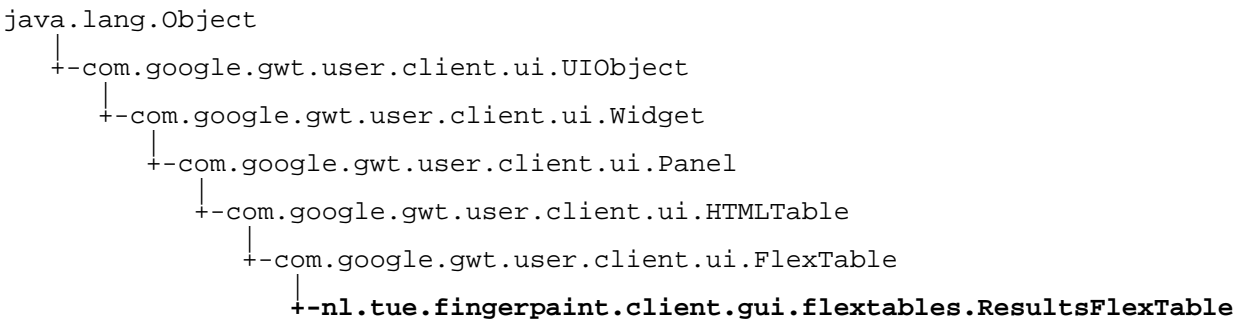
Fills this FlexTable with the items in results. Also adds a click handler for each item in the FlexTable, to remove the item.

Parameters:

protocols - List of all results currently stored in the local storage.
geom - Currently selected geometry: used to locate the protocol in the local storage.

nl.tue.fingerpaint.client.gui.flextables

Class ResultsFlexTable



All Implemented Interfaces:
com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget,
com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener,
com.google.gwt.user.client.ui.HasWidgets.ForIsWidget, com.google.gwt.event.dom.client.HasDoubleClickHandlers,
com.google.gwt.event.dom.client.HasClickHandlers, com.google.gwt.event.dom.client.HasAllDragAndDropHandlers,
com.google.gwt.user.client.ui.SourcesTableEvents

public class **ResultsFlexTable**
extends com.google.gwt.user.client.ui.FlexTable

FlexTable that displays all results currently stored in the local storage.

| Fields inherited from class com.google.gwt.user.client.ui.UIObject | |
|--|--|
| DEBUG_ID_PREFIX | |

| Constructor Summary | |
|---------------------|--|
| public | ResultsFlexTable() Construct a new FlexTable that can be used to display all results currently stored in the local storage. |

| Method Summary | |
|----------------|--|
| void | fillFlexTable (java.util.ArrayList results) Fills this FlexTable with the items in results. |

| Methods inherited from class com.google.gwt.user.client.ui.FlexTable | |
|---|--|
| addCell, getCellCount, getFlexCellFormatter, getRowCount, insertCell, insertRow, prepareCell, prepareRow, removeAllRows, removeCell, removeCells, removeRow | |

| Methods inherited from class com.google.gwt.user.client.ui.HTMLTable | |
|--|--|
|--|--|

addClickHandler, addDoubleClickHandler, addDragEndHandler, addDragEnterHandler, addDragHandler, addDragLeaveHandler, addDragOverHandler, addDragStartHandler, addDropHandler, addTableListener, checkCellBounds, checkRowBounds, clear, clear, clearCell, createCell, getBodyElement, getCellCount, getCellForEvent, getCellFormatter, getCellPadding, getCellSpacing, getColumnFormatter, getDOMCellCount, getDOMCellCount, getDOMRowCount, getDOMRowCount, getEventTargetCell, getHTML, getRowCount, getRowFormatter, getText, getWidget, insertCell, insertCells, insertRow, internalClearCell, isCellPresent, iterator, onEnsureDebugId, prepareCell, prepareColumn, prepareRow, remove, removeCell, removeRow, removeTableListener, setBorderWidth, setCellFormatter, setCellPadding, setCellSpacing, setColumnFormatter, setHTML, setHTML, setRowFormatter, setText, setWidget, setWidget

Methods inherited from class com.google.gwt.user.client.ui.Panel

add, add, adopt, adopt, clear, disown, doAttachChildren, doDetachChildren, orphan, remove, remove

Methods inherited from class com.google.gwt.user.client.ui.Widget

addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget, asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren, doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached, isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload, removeFromParent, setLayoutData, sinkEvents

Methods inherited from class com.google.gwt.user.client.ui.UIObject

addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId, getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth, getStyleElement, getStyleName, getStyleName, getStylePrimaryName, getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId, removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement, setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName, setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString, unsinkEvents

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface com.google.gwt.user.client.ui.HasVisibility

isVisible, setVisible

Methods inherited from interface com.google.gwt.user.client.EventListener

onBrowserEvent

Methods inherited from interface com.google.gwt.event.logical.shared.HasAttachHandlers

addAttachHandler, isAttached

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.IsWidget

asWidget

Methods inherited from interface com.google.gwt.user.client.ui.HasWidgets.ForIsWidget

add, remove

Methods inherited from interface com.google.gwt.user.client.ui.HasWidgets

add, clear, iterator, remove

Methods inherited from interface java.lang.Iterable

iterator

Methods inherited from interface com.google.gwt.user.client.ui.SourcesTableEvents

addTableListener, removeTableListener

Methods inherited from interface com.google.gwt.event.dom.client.HasDragEndHandlers

addDragEndHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDragEnterHandlers

addDragEnterHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDragLeaveHandlers

addDragLeaveHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDragHandlers

addDragHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDragOverHandlers

addDragOverHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

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| fireEvent |
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| Methods inherited from interface com.google.gwt.event.dom.client.HasDragStartHandlers |
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| addDragStartHandler |
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| Methods inherited from interface com.google.gwt.event.shared.HasHandlers |
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| fireEvent |
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| Methods inherited from interface com.google.gwt.event.dom.client.HasDropHandlers |
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| addDropHandler |
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| Methods inherited from interface com.google.gwt.event.shared.HasHandlers |
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| fireEvent |
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| Methods inherited from interface com.google.gwt.event.dom.client.HasClickHandlers |
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| addClickHandler |
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| Methods inherited from interface com.google.gwt.event.shared.HasHandlers |
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| fireEvent |
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| Methods inherited from interface com.google.gwt.event.dom.client.HasDoubleClickHandlers |
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| addDoubleClickHandler |
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| Methods inherited from interface com.google.gwt.event.shared.HasHandlers |
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| fireEvent |
|-----------|

Constructors

ResultsFlexTable

```
public ResultsFlexTable()
```

Construct a new FlexTable that can be used to display all results currently stored in the local storage. Also allows for removing these results individually.

Methods

fillFlexTable

```
public void fillFlexTable(java.util.ArrayList results)
```

Fills this FlexTable with the items in results. Also adds a click handler for each item in the FlexTable, to remove the item.

Parameters:

`results` - List of all results currently stored in the local storage.

Package

nl.tue.fingerpaint.client.gui.labels

nl.tue.fingerpaint.client.gui.labels

Class DistributionsLabel

```

java.lang.Object
├── com.google.gwt.user.client.ui.UIObject
│   ├── com.google.gwt.user.client.ui.Widget
│   │   ├── com.google.gwt.user.client.ui.LabelBase
│   │   │   ├── com.google.gwt.user.client.ui.Label
│   │   │   └── nl.tue.fingerpaint.client.gui.labels.DistributionsLabel

```

All Implemented Interfaces:

com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener, com.google.gwt.user.client.ui.HasAutoHorizontalAlignment, com.google.gwt.i18n.shared.HasDirectionEstimator, com.google.gwt.user.client.ui.HasWordWrap, com.google.gwt.editor.client.IsEditor, com.google.gwt.event.dom.client.HasAllTouchHandlers, com.google.gwt.event.dom.client.HasAllMouseHandlers, com.google.gwt.event.dom.client.HasAllGestureHandlers, com.google.gwt.event.dom.client.HasAllDragAndDropHandlers, com.google.gwt.user.client.ui.SourcesMouseEvents, com.google.gwt.user.client.ui.SourcesClickEvents, com.google.gwt.event.dom.client.HasDoubleClickHandlers, com.google.gwt.event.dom.client.HasClickHandlers, com.google.gwt.i18n.client.HasDirection, com.google.gwt.user.client.ui.HasDirectionalText

```

public class DistributionsLabel
extends com.google.gwt.user.client.ui.Label

```

Header for the distributions submenu.

Fields inherited from class com.google.gwt.user.client.ui.Label

DEFAULT_DIRECTION_ESTIMATOR

Fields inherited from class com.google.gwt.user.client.ui.UIObject

DEBUG_ID_PREFIX

Fields inherited from interface com.google.gwt.user.client.ui.HasAutoHorizontalAlignment

ALIGN_CONTENT_END, ALIGN_CONTENT_START

Fields inherited from interface com.google.gwt.user.client.ui.HasHorizontalAlignment

ALIGN_CENTER, ALIGN_DEFAULT, ALIGN_JUSTIFY, ALIGN_LEFT, ALIGN_LOCALE_END, ALIGN_LOCALE_START, ALIGN_RIGHT

Constructor Summary

| | |
|--------|--|
| public | DistributionsLabel() Construct the DistributionsLabel . |
|--------|--|

Methods inherited from class com.google.gwt.user.client.ui.Label

addClickHandler, addClickListener, addDoubleClickHandler, addDragEndHandler, addDragEnterHandler, addDragHandler, addDragLeaveHandler, addDragOverHandler, addDragStartHandler, addDropHandler, addGestureChangeHandler, addGestureEndHandler, addGestureStartHandler, addMouseDownHandler, addMouseListener, addMouseMoveHandler, addMouseOutHandler, addMouseOverHandler, addMouseUpHandler, addMouseWheelHandler, addMouseWheelListener, addTouchCancelHandler, addTouchEndHandler, addTouchMoveHandler, addTouchStartHandler, asEditor, getDirection, getText, getTextDirection, removeClickListener, removeMouseListener, removeMouseWheelListener, setDirection, setText, setText, wrap

Methods inherited from class com.google.gwt.user.client.ui.LabelBase

getAutoHorizontalAlignment, getDirectionEstimator, getHorizontalAlignment, getWordWrap, setAutoHorizontalAlignment, setDirectionEstimator, setDirectionEstimator, setHorizontalAlignment, setWordWrap, updateHorizontalAlignment

Methods inherited from class com.google.gwt.user.client.ui.Widget

addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget, asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren, doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached, isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload, removeFromParent, setLayoutData, sinkEvents

Methods inherited from class com.google.gwt.user.client.ui.UIObject

addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId, getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth, getStyleElement, getStyleName, getStyleName, getStylePrimaryName, getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId, removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement, setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName, setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString, unsinkEvents

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface com.google.gwt.user.client.ui.HasVisibility

isVisible, setVisible

Methods inherited from interface com.google.gwt.user.client.EventListener

onBrowserEvent

Methods inherited from interface com.google.gwt.event.logical.shared.HasAttachHandlers

addAttachHandler, isAttached

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.IsWidget

asWidget

Methods inherited from interface com.google.gwt.user.client.ui.HasWordWrap

getWordWrap, setWordWrap

Methods inherited from interface com.google.gwt.i18n.shared.HasDirectionEstimator

getDirectionEstimator, setDirectionEstimator, setDirectionEstimator

Methods inherited from interface com.google.gwt.user.client.ui.HasAutoHorizontalAlignment

getAutoHorizontalAlignment, setAutoHorizontalAlignment

Methods inherited from interface com.google.gwt.user.client.ui.HasHorizontalAlignment

getHorizontalAlignment, setHorizontalAlignment

Methods inherited from interface com.google.gwt.user.client.ui.HasDirectionalText

getTextDirection, setText

Methods inherited from interface com.google.gwt.user.client.ui.HasText

getText, setText

Methods inherited from interface com.google.gwt.i18n.client.HasDirection

getDirection, setDirection

Methods inherited from interface com.google.gwt.event.dom.client.HasClickHandlers

addClickHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDoubleClickHandlers

addDoubleClickHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.SourcesClickEvents

addClickListener, removeClickListener

Methods inherited from interface com.google.gwt.user.client.ui.SourcesMouseEvents

addMouseListener, removeMouseListener

Methods inherited from interface com.google.gwt.event.dom.client.HasDragEndHandlers

addDragEndHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDragEnterHandlers

addDragEnterHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDragLeaveHandlers

addDragLeaveHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDragHandlers

addDragHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDragOverHandlers

addDragOverHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDragStartHandlers

addDragStartHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDropHandlers

addDropHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasGestureStartHandlers

addGestureStartHandler

Methods inherited from interface `com.google.gwt.event.shared.HasHandlers``fireEvent`**Methods inherited from interface** `com.google.gwt.event.dom.client.HasGestureChangeHandlers``addGestureChangeHandler`**Methods inherited from interface** `com.google.gwt.event.shared.HasHandlers``fireEvent`**Methods inherited from interface** `com.google.gwt.event.dom.client.HasGestureEndHandlers``addGestureEndHandler`**Methods inherited from interface** `com.google.gwt.event.shared.HasHandlers``fireEvent`**Methods inherited from interface** `com.google.gwt.event.dom.client.HasMouseDownHandlers``addMouseDownHandler`**Methods inherited from interface** `com.google.gwt.event.shared.HasHandlers``fireEvent`**Methods inherited from interface** `com.google.gwt.event.dom.client.HasMouseUpHandlers``addMouseUpHandler`**Methods inherited from interface** `com.google.gwt.event.shared.HasHandlers``fireEvent`**Methods inherited from interface** `com.google.gwt.event.dom.client.HasMouseOutHandlers``addMouseOutHandler`**Methods inherited from interface** `com.google.gwt.event.shared.HasHandlers``fireEvent`**Methods inherited from interface** `com.google.gwt.event.dom.client.HasMouseOverHandlers``addMouseOverHandler`**Methods inherited from interface** `com.google.gwt.event.shared.HasHandlers``fireEvent`**Methods inherited from interface** `com.google.gwt.event.dom.client.HasMouseMoveHandlers``addMouseMoveHandler`

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasMouseWheelHandlers

addMouseWheelHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasTouchStartHandlers

addTouchStartHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasTouchMoveHandlers

addTouchMoveHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasTouchEndHandlers

addTouchEndHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasTouchCancelHandlers

addTouchCancelHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.editor.client.IsEditor

asEditor

Constructors

DistributionsLabel

```
public DistributionsLabel()
```

Construct the [DistributionsLabel](#).

nl.tue.fingerpaint.client.gui.labels

Class DrawingToolLabel

```

java.lang.Object
├── com.google.gwt.user.client.ui.UIObject
│   ├── com.google.gwt.user.client.ui.Widget
│   │   ├── com.google.gwt.user.client.ui.LabelBase
│   │   │   ├── com.google.gwt.user.client.ui.Label
│   │   │   │   └── nl.tue.fingerpaint.client.gui.labels.DrawingToolLabel

```

All Implemented Interfaces:

com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener, com.google.gwt.user.client.ui.HasAutoHorizontalAlignment, com.google.gwt.i18n.shared.HasDirectionEstimator, com.google.gwt.user.client.ui.HasWordWrap, com.google.gwt.editor.client.IsEditor, com.google.gwt.event.dom.client.HasAllTouchHandlers, com.google.gwt.event.dom.client.HasAllMouseHandlers, com.google.gwt.event.dom.client.HasAllGestureHandlers, com.google.gwt.event.dom.client.HasAllDragAndDropHandlers, com.google.gwt.user.client.ui.SourcesMouseEvents, com.google.gwt.user.client.ui.SourcesClickEvents, com.google.gwt.event.dom.client.HasDoubleClickHandlers, com.google.gwt.event.dom.client.HasClickHandlers, com.google.gwt.i18n.client.HasDirection, com.google.gwt.user.client.ui.HasDirectionalText

```

public class DrawingToolLabel
extends com.google.gwt.user.client.ui.Label

```

Header for the drawing tool submenu.

| Fields inherited from class com.google.gwt.user.client.ui.Label |
|---|
| DEFAULT_DIRECTION_ESTIMATOR |
| Fields inherited from class com.google.gwt.user.client.ui.UIObject |
| DEBUG_ID_PREFIX |
| Fields inherited from interface com.google.gwt.user.client.ui.HasAutoHorizontalAlignment |
| ALIGN_CONTENT_END, ALIGN_CONTENT_START |
| Fields inherited from interface com.google.gwt.user.client.ui.HasHorizontalAlignment |
| ALIGN_CENTER, ALIGN_DEFAULT, ALIGN_JUSTIFY, ALIGN_LEFT, ALIGN_LOCALE_END, ALIGN_LOCALE_START, ALIGN_RIGHT |

Constructor Summary

| | |
|--------|--|
| public | DrawingToolLabel() Construct the DrawingToolLabel . |
|--------|--|

| Methods inherited from class com.google.gwt.user.client.ui.Label |
|--|
|--|

addClickHandler, addClickListener, addDoubleClickHandler, addDragEndHandler, addDragEnterHandler, addDragHandler, addDragLeaveHandler, addDragOverHandler, addDragStartHandler, addDropHandler, addGestureChangeHandler, addGestureEndHandler, addGestureStartHandler, addMouseDownHandler, addMouseListener, addMouseMoveHandler, addMouseOutHandler, addMouseOverHandler, addMouseUpHandler, addMouseWheelHandler, addMouseWheelListener, addTouchCancelHandler, addTouchEndHandler, addTouchMoveHandler, addTouchStartHandler, asEditor, getDirection, getText, getTextDirection, removeClickListener, removeMouseListener, removeMouseWheelListener, setDirection, setText, setText, wrap

Methods inherited from class com.google.gwt.user.client.ui.LabelBase

getAutoHorizontalAlignment, getDirectionEstimator, getHorizontalAlignment, getWordWrap, setAutoHorizontalAlignment, setDirectionEstimator, setDirectionEstimator, setHorizontalAlignment, setWordWrap, updateHorizontalAlignment

Methods inherited from class com.google.gwt.user.client.ui.Widget

addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget, asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren, doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached, isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload, removeFromParent, setLayoutData, sinkEvents

Methods inherited from class com.google.gwt.user.client.ui.UIObject

addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId, getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth, getStyleElement, getStyleName, getStyleName, getStylePrimaryName, getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId, removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement, setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName, setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString, unsinkEvents

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface com.google.gwt.user.client.ui.HasVisibility

isVisible, setVisible

Methods inherited from interface com.google.gwt.user.client.EventListener

onBrowserEvent

Methods inherited from interface com.google.gwt.event.logical.shared.HasAttachHandlers

addAttachHandler, isAttached

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.IsWidget

asWidget

Methods inherited from interface com.google.gwt.user.client.ui.HasWordWrap

getWordWrap, setWordWrap

Methods inherited from interface com.google.gwt.i18n.shared.HasDirectionEstimator

getDirectionEstimator, setDirectionEstimator, setDirectionEstimator

Methods inherited from interface com.google.gwt.user.client.ui.HasAutoHorizontalAlignment

getAutoHorizontalAlignment, setAutoHorizontalAlignment

Methods inherited from interface com.google.gwt.user.client.ui.HasHorizontalAlignment

getHorizontalAlignment, setHorizontalAlignment

Methods inherited from interface com.google.gwt.user.client.ui.HasDirectionalText

getTextDirection, setText

Methods inherited from interface com.google.gwt.user.client.ui.HasText

getText, setText

Methods inherited from interface com.google.gwt.i18n.client.HasDirection

getDirection, setDirection

Methods inherited from interface com.google.gwt.event.dom.client.HasClickHandlers

addClickHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDoubleClickHandlers

addDoubleClickHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.SourcesClickEvents

addClickListener, removeClickListener

Methods inherited from interface com.google.gwt.user.client.ui.SourcesMouseEvents

addMouseListener, removeMouseListener

Methods inherited from interface com.google.gwt.event.dom.client.HasDragEndHandlers

addDragEndHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDragEnterHandlers

addDragEnterHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDragLeaveHandlers

addDragLeaveHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDragHandlers

addDragHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDragOverHandlers

addDragOverHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDragStartHandlers

addDragStartHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDropHandlers

addDropHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasGestureStartHandlers

addGestureStartHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasGestureChangeHandlers

addGestureChangeHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasGestureEndHandlers

addGestureEndHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasMouseDownHandlers

addMouseDownHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasMouseUpHandlers

addMouseUpHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasMouseOutHandlers

addMouseOutHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasMouseOverHandlers

addMouseOverHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasMouseMoveHandlers

addMouseMoveHandler

Methods inherited from interface `com.google.gwt.event.shared.HasHandlers``fireEvent`**Methods inherited from interface** `com.google.gwt.event.dom.client.HasMouseWheelHandlers``addMouseWheelHandler`**Methods inherited from interface** `com.google.gwt.event.shared.HasHandlers``fireEvent`**Methods inherited from interface** `com.google.gwt.event.dom.client.HasTouchStartHandlers``addTouchStartHandler`**Methods inherited from interface** `com.google.gwt.event.shared.HasHandlers``fireEvent`**Methods inherited from interface** `com.google.gwt.event.dom.client.HasTouchMoveHandlers``addTouchMoveHandler`**Methods inherited from interface** `com.google.gwt.event.shared.HasHandlers``fireEvent`**Methods inherited from interface** `com.google.gwt.event.dom.client.HasTouchEndHandlers``addTouchEndHandler`**Methods inherited from interface** `com.google.gwt.event.shared.HasHandlers``fireEvent`**Methods inherited from interface** `com.google.gwt.event.dom.client.HasTouchCancelHandlers``addTouchCancelHandler`**Methods inherited from interface** `com.google.gwt.event.shared.HasHandlers``fireEvent`**Methods inherited from interface** `com.google.gwt.editor.client.IsEditor``asEditor`

Constructors

DrawingToolLabel

```
public DrawingToolLabel()
```

Construct the [DrawingToolLabel](#).

nl.tue.fingerpaint.client.gui.labels

Class NoFilesFoundLabel

```

java.lang.Object
├── com.google.gwt.user.client.ui.UIObject
│   ├── com.google.gwt.user.client.ui.Widget
│   │   ├── com.google.gwt.user.client.ui.LabelBase
│   │   │   ├── com.google.gwt.user.client.ui.Label
│   │   │   │   └── nl.tue.fingerpaint.client.gui.labels.NoFilesFoundLabel

```

All Implemented Interfaces:

com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener, com.google.gwt.user.client.ui.HasAutoHorizontalAlignment, com.google.gwt.i18n.shared.HasDirectionEstimator, com.google.gwt.user.client.ui.HasWordWrap, com.google.gwt.editor.client.IsEditor, com.google.gwt.event.dom.client.HasAllTouchHandlers, com.google.gwt.event.dom.client.HasAllMouseHandlers, com.google.gwt.event.dom.client.HasAllGestureHandlers, com.google.gwt.event.dom.client.HasAllDragAndDropHandlers, com.google.gwt.user.client.ui.SourcesMouseEvents, com.google.gwt.user.client.ui.SourcesClickEvents, com.google.gwt.event.dom.client.HasDoubleClickHandlers, com.google.gwt.event.dom.client.HasClickHandlers, com.google.gwt.i18n.client.HasDirection, com.google.gwt.user.client.ui.HasDirectionalText

```

public class NoFilesFoundLabel
extends com.google.gwt.user.client.ui.Label

```

Label that is used to indicate that there are no saved files found for the selected loading option.

| Fields inherited from class com.google.gwt.user.client.ui.Label |
|---|
| DEFAULT_DIRECTION_ESTIMATOR |
| Fields inherited from class com.google.gwt.user.client.ui.UIObject |
| DEBUG_ID_PREFIX |
| Fields inherited from interface com.google.gwt.user.client.ui.HasAutoHorizontalAlignment |
| ALIGN_CONTENT_END, ALIGN_CONTENT_START |
| Fields inherited from interface com.google.gwt.user.client.ui.HasHorizontalAlignment |
| ALIGN_CENTER, ALIGN_DEFAULT, ALIGN_JUSTIFY, ALIGN_LEFT, ALIGN_LOCALE_END, ALIGN_LOCALE_START, ALIGN_RIGHT |

| Constructor Summary | |
|---------------------|---|
| public | NoFilesFoundLabel() Construct the SaveMessageLabel . |

| Methods inherited from class com.google.gwt.user.client.ui.Label |
|--|
|--|

addClickHandler, addClickListener, addDoubleClickHandler, addDragEndHandler, addDragEnterHandler, addDragHandler, addDragLeaveHandler, addDragOverHandler, addDragStartHandler, addDropHandler, addGestureChangeHandler, addGestureEndHandler, addGestureStartHandler, addMouseDownHandler, addMouseListener, addMouseMoveHandler, addMouseOutHandler, addMouseOverHandler, addMouseUpHandler, addMouseWheelHandler, addMouseWheelListener, addTouchCancelHandler, addTouchEndHandler, addTouchMoveHandler, addTouchStartHandler, asEditor, getDirection, getText, getTextDirection, removeClickListener, removeMouseListener, removeMouseWheelListener, setDirection, setText, setText, wrap

Methods inherited from class com.google.gwt.user.client.ui.LabelBase

getAutoHorizontalAlignment, getDirectionEstimator, getHorizontalAlignment, getWordWrap, setAutoHorizontalAlignment, setDirectionEstimator, setDirectionEstimator, setHorizontalAlignment, setWordWrap, updateHorizontalAlignment

Methods inherited from class com.google.gwt.user.client.ui.Widget

addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget, asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren, doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached, isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload, removeFromParent, setLayoutData, sinkEvents

Methods inherited from class com.google.gwt.user.client.ui.UIObject

addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId, getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth, getStyleElement, getStyleName, getStyleName, getStylePrimaryName, getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId, removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement, setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName, setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString, unsinkEvents

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface com.google.gwt.user.client.ui.HasVisibility

isVisible, setVisible

Methods inherited from interface com.google.gwt.user.client.EventListener

onBrowserEvent

Methods inherited from interface com.google.gwt.event.logical.shared.HasAttachHandlers

addAttachHandler, isAttached

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface `com.google.gwt.user.client.ui.IsWidget``asWidget`**Methods inherited from interface** `com.google.gwt.user.client.ui.HasWordWrap``getWordWrap, setWordWrap`**Methods inherited from interface** `com.google.gwt.i18n.shared.HasDirectionEstimator``getDirectionEstimator, setDirectionEstimator, setDirectionEstimator`**Methods inherited from interface** `com.google.gwt.user.client.ui.HasAutoHorizontalAlignment``getAutoHorizontalAlignment, setAutoHorizontalAlignment`**Methods inherited from interface** `com.google.gwt.user.client.ui.HasHorizontalAlignment``getHorizontalAlignment, setHorizontalAlignment`**Methods inherited from interface** `com.google.gwt.user.client.ui.HasDirectionalText``getTextDirection, setText`**Methods inherited from interface** `com.google.gwt.user.client.ui.HasText``getText, setText`**Methods inherited from interface** `com.google.gwt.i18n.client.HasDirection``getDirection, setDirection`**Methods inherited from interface** `com.google.gwt.event.dom.client.HasClickHandlers``addClickHandler`**Methods inherited from interface** `com.google.gwt.event.shared.HasHandlers``fireEvent`**Methods inherited from interface** `com.google.gwt.event.dom.client.HasDoubleClickHandlers``addDoubleClickHandler`**Methods inherited from interface** `com.google.gwt.event.shared.HasHandlers``fireEvent`**Methods inherited from interface** `com.google.gwt.user.client.ui.SourcesClickEvents``addClickListener, removeClickListener`**Methods inherited from interface** `com.google.gwt.user.client.ui.SourcesMouseEvents``addMouseListener, removeMouseListener`**Methods inherited from interface** `com.google.gwt.event.dom.client.HasDragEndHandlers`

addDragEndHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDragEnterHandlers

addDragEnterHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDragLeaveHandlers

addDragLeaveHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDragHandlers

addDragHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDragOverHandlers

addDragOverHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDragStartHandlers

addDragStartHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDropHandlers

addDropHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasGestureStartHandlers

addGestureStartHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasGestureChangeHandlers

addGestureChangeHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasGestureEndHandlers

addGestureEndHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasMouseDownHandlers

addMouseDownHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasMouseUpHandlers

addMouseUpHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasMouseOutHandlers

addMouseOutHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasMouseOverHandlers

addMouseOverHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasMouseMoveHandlers

addMouseMoveHandler

Methods inherited from interface `com.google.gwt.event.shared.HasHandlers``fireEvent`**Methods inherited from interface** `com.google.gwt.event.dom.client.HasMouseWheelHandlers``addMouseWheelHandler`**Methods inherited from interface** `com.google.gwt.event.shared.HasHandlers``fireEvent`**Methods inherited from interface** `com.google.gwt.event.dom.client.HasTouchStartHandlers``addTouchStartHandler`**Methods inherited from interface** `com.google.gwt.event.shared.HasHandlers``fireEvent`**Methods inherited from interface** `com.google.gwt.event.dom.client.HasTouchMoveHandlers``addTouchMoveHandler`**Methods inherited from interface** `com.google.gwt.event.shared.HasHandlers``fireEvent`**Methods inherited from interface** `com.google.gwt.event.dom.client.HasTouchEndHandlers``addTouchEndHandler`**Methods inherited from interface** `com.google.gwt.event.shared.HasHandlers``fireEvent`**Methods inherited from interface** `com.google.gwt.event.dom.client.HasTouchCancelHandlers``addTouchCancelHandler`**Methods inherited from interface** `com.google.gwt.event.shared.HasHandlers``fireEvent`**Methods inherited from interface** `com.google.gwt.editor.client.IsEditor``asEditor`

Constructors

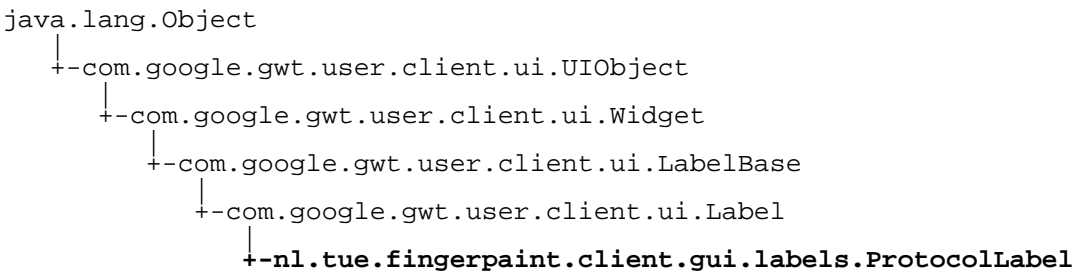
NoFilesFoundLabel

```
public NoFilesFoundLabel()
```

Construct the [SaveMessageLabel](#).

nl.tue.fingerpaint.client.gui.labels

Class ProtocolLabel



All Implemented Interfaces:
com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener, com.google.gwt.user.client.ui.HasAutoHorizontalAlignment, com.google.gwt.i18n.shared.HasDirectionEstimator, com.google.gwt.user.client.ui.HasWordWrap, com.google.gwt.editor.client.IsEditor, com.google.gwt.event.dom.client.HasAllTouchHandlers, com.google.gwt.event.dom.client.HasAllMouseHandlers, com.google.gwt.event.dom.client.HasAllGestureHandlers, com.google.gwt.event.dom.client.HasAllDragAndDropHandlers, com.google.gwt.user.client.ui.SourcesMouseEvents, com.google.gwt.user.client.ui.SourcesClickEvents, com.google.gwt.event.dom.client.HasDoubleClickHandlers, com.google.gwt.event.dom.client.HasClickHandlers, com.google.gwt.i18n.client.HasDirection, com.google.gwt.user.client.ui.HasDirectionalText

```
public class ProtocolLabel
extends com.google.gwt.user.client.ui.Label
```

Header for the protocol representation.

| Fields inherited from class com.google.gwt.user.client.ui.Label |
|---|
| DEFAULT_DIRECTION_ESTIMATOR |
| Fields inherited from class com.google.gwt.user.client.ui.UIObject |
| DEBUG_ID_PREFIX |
| Fields inherited from interface com.google.gwt.user.client.ui.HasAutoHorizontalAlignment |
| ALIGN_CONTENT_END, ALIGN_CONTENT_START |
| Fields inherited from interface com.google.gwt.user.client.ui.HasHorizontalAlignment |
| ALIGN_CENTER, ALIGN_DEFAULT, ALIGN_JUSTIFY, ALIGN_LEFT, ALIGN_LOCALE_END, ALIGN_LOCALE_START, ALIGN_RIGHT |

| Constructor Summary | |
|---------------------|--|
| public | ProtocolLabel() Construct the ProtocolLabel . |

| Methods inherited from class com.google.gwt.user.client.ui.Label |
|--|
|--|

addClickHandler, addClickListener, addDoubleClickHandler, addDragEndHandler, addDragEnterHandler, addDragHandler, addDragLeaveHandler, addDragOverHandler, addDragStartHandler, addDropHandler, addGestureChangeHandler, addGestureEndHandler, addGestureStartHandler, addMouseDownHandler, addMouseListener, addMouseMoveHandler, addMouseOutHandler, addMouseOverHandler, addMouseUpHandler, addMouseWheelHandler, addMouseWheelListener, addTouchCancelHandler, addTouchEndHandler, addTouchMoveHandler, addTouchStartHandler, asEditor, getDirection, getText, getTextDirection, removeClickListener, removeMouseListener, removeMouseWheelListener, setDirection, setText, setText, wrap

Methods inherited from class com.google.gwt.user.client.ui.LabelBase

getAutoHorizontalAlignment, getDirectionEstimator, getHorizontalAlignment, getWordWrap, setAutoHorizontalAlignment, setDirectionEstimator, setDirectionEstimator, setHorizontalAlignment, setWordWrap, updateHorizontalAlignment

Methods inherited from class com.google.gwt.user.client.ui.Widget

addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget, asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren, doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached, isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload, removeFromParent, setLayoutData, sinkEvents

Methods inherited from class com.google.gwt.user.client.ui.UIObject

addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId, getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth, getStyleElement, getStyleName, getStyleName, getStylePrimaryName, getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId, removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement, setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName, setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString, unsinkEvents

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface com.google.gwt.user.client.ui.HasVisibility

isVisible, setVisible

Methods inherited from interface com.google.gwt.user.client.EventListener

onBrowserEvent

Methods inherited from interface com.google.gwt.event.logical.shared.HasAttachHandlers

addAttachHandler, isAttached

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.IsWidget

asWidget

Methods inherited from interface com.google.gwt.user.client.ui.HasWordWrap

getWordWrap, setWordWrap

Methods inherited from interface com.google.gwt.i18n.shared.HasDirectionEstimator

getDirectionEstimator, setDirectionEstimator, setDirectionEstimator

Methods inherited from interface com.google.gwt.user.client.ui.HasAutoHorizontalAlignment

getAutoHorizontalAlignment, setAutoHorizontalAlignment

Methods inherited from interface com.google.gwt.user.client.ui.HasHorizontalAlignment

getHorizontalAlignment, setHorizontalAlignment

Methods inherited from interface com.google.gwt.user.client.ui.HasDirectionalText

getTextDirection, setText

Methods inherited from interface com.google.gwt.user.client.ui.HasText

getText, setText

Methods inherited from interface com.google.gwt.i18n.client.HasDirection

getDirection, setDirection

Methods inherited from interface com.google.gwt.event.dom.client.HasClickHandlers

addClickHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDoubleClickHandlers

addDoubleClickHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.SourcesClickEvents

addClickListener, removeClickListener

Methods inherited from interface com.google.gwt.user.client.ui.SourcesMouseEvents

addMouseListener, removeMouseListener

Methods inherited from interface com.google.gwt.event.dom.client.HasDragEndHandlers

addDragEndHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDragEnterHandlers

addDragEnterHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDragLeaveHandlers

addDragLeaveHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDragHandlers

addDragHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDragOverHandlers

addDragOverHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDragStartHandlers

addDragStartHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDropHandlers

addDropHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasGestureStartHandlers

addGestureStartHandler

Methods inherited from interface `com.google.gwt.event.shared.HasHandlers``fireEvent`**Methods inherited from interface** `com.google.gwt.event.dom.client.HasGestureChangeHandlers``addGestureChangeHandler`**Methods inherited from interface** `com.google.gwt.event.shared.HasHandlers``fireEvent`**Methods inherited from interface** `com.google.gwt.event.dom.client.HasGestureEndHandlers``addGestureEndHandler`**Methods inherited from interface** `com.google.gwt.event.shared.HasHandlers``fireEvent`**Methods inherited from interface** `com.google.gwt.event.dom.client.HasMouseDownHandlers``addMouseDownHandler`**Methods inherited from interface** `com.google.gwt.event.shared.HasHandlers``fireEvent`**Methods inherited from interface** `com.google.gwt.event.dom.client.HasMouseUpHandlers``addMouseUpHandler`**Methods inherited from interface** `com.google.gwt.event.shared.HasHandlers``fireEvent`**Methods inherited from interface** `com.google.gwt.event.dom.client.HasMouseOutHandlers``addMouseOutHandler`**Methods inherited from interface** `com.google.gwt.event.shared.HasHandlers``fireEvent`**Methods inherited from interface** `com.google.gwt.event.dom.client.HasMouseOverHandlers``addMouseOverHandler`**Methods inherited from interface** `com.google.gwt.event.shared.HasHandlers``fireEvent`**Methods inherited from interface** `com.google.gwt.event.dom.client.HasMouseMoveHandlers``addMouseMoveHandler`

Methods inherited from interface `com.google.gwt.event.shared.HasHandlers``fireEvent`**Methods inherited from interface** `com.google.gwt.event.dom.client.HasMouseWheelHandlers``addMouseWheelHandler`**Methods inherited from interface** `com.google.gwt.event.shared.HasHandlers``fireEvent`**Methods inherited from interface** `com.google.gwt.event.dom.client.HasTouchStartHandlers``addTouchStartHandler`**Methods inherited from interface** `com.google.gwt.event.shared.HasHandlers``fireEvent`**Methods inherited from interface** `com.google.gwt.event.dom.client.HasTouchMoveHandlers``addTouchMoveHandler`**Methods inherited from interface** `com.google.gwt.event.shared.HasHandlers``fireEvent`**Methods inherited from interface** `com.google.gwt.event.dom.client.HasTouchEndHandlers``addTouchEndHandler`**Methods inherited from interface** `com.google.gwt.event.shared.HasHandlers``fireEvent`**Methods inherited from interface** `com.google.gwt.event.dom.client.HasTouchCancelHandlers``addTouchCancelHandler`**Methods inherited from interface** `com.google.gwt.event.shared.HasHandlers``fireEvent`**Methods inherited from interface** `com.google.gwt.editor.client.IsEditor``asEditor`

Constructors

ProtocolLabel

```
public ProtocolLabel()
```

Construct the [ProtocolLabel](#).

nl.tue.fingerpaint.client.gui.labels

Class ProtocolRepresentationLabel

```

java.lang.Object
├── com.google.gwt.user.client.ui.UIObject
│   ├── com.google.gwt.user.client.ui.Widget
│   │   ├── com.google.gwt.user.client.ui.LabelBase
│   │   │   ├── com.google.gwt.user.client.ui.Label
│   │   │   │   └── nl.tue.fingerpaint.client.gui.labels.ProtocolRepresentationLabel

```

All Implemented Interfaces:

com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener, com.google.gwt.user.client.ui.HasAutoHorizontalAlignment, com.google.gwt.i18n.shared.HasDirectionEstimator, com.google.gwt.user.client.ui.HasWordWrap, com.google.gwt.editor.client.IsEditor, com.google.gwt.event.dom.client.HasAllTouchHandlers, com.google.gwt.event.dom.client.HasAllMouseHandlers, com.google.gwt.event.dom.client.HasAllGestureHandlers, com.google.gwt.event.dom.client.HasAllDragAndDropHandlers, com.google.gwt.user.client.ui.SourcesMouseEvents, com.google.gwt.user.client.ui.SourcesClickEvents, com.google.gwt.event.dom.client.HasDoubleClickHandlers, com.google.gwt.event.dom.client.HasClickHandlers, com.google.gwt.i18n.client.HasDirection, com.google.gwt.user.client.ui.HasDirectionalText

```

public class ProtocolRepresentationLabel
extends com.google.gwt.user.client.ui.Label

```

Label in which the protocol is displayed.

Fields inherited from class com.google.gwt.user.client.ui.Label

DEFAULT_DIRECTION_ESTIMATOR

Fields inherited from class com.google.gwt.user.client.ui.UIObject

DEBUG_ID_PREFIX

Fields inherited from interface com.google.gwt.user.client.ui.HasAutoHorizontalAlignment

ALIGN_CONTENT_END, ALIGN_CONTENT_START

Fields inherited from interface com.google.gwt.user.client.ui.HasHorizontalAlignment

ALIGN_CENTER, ALIGN_DEFAULT, ALIGN_JUSTIFY, ALIGN_LEFT, ALIGN_LOCALE_END, ALIGN_LOCALE_START, ALIGN_RIGHT

Constructor Summary

| | |
|--------|--|
| public | ProtocolRepresentationLabel() Construct the ProtocolRepresentationLabel . |
|--------|--|

Methods inherited from class com.google.gwt.user.client.ui.Label

addClickHandler, addClickListener, addDoubleClickHandler, addDragEndHandler, addDragEnterHandler, addDragHandler, addDragLeaveHandler, addDragOverHandler, addDragStartHandler, addDropHandler, addGestureChangeHandler, addGestureEndHandler, addGestureStartHandler, addMouseDownHandler, addMouseListener, addMouseMoveHandler, addMouseOutHandler, addMouseOverHandler, addMouseUpHandler, addMouseWheelHandler, addMouseWheelListener, addTouchCancelHandler, addTouchEndHandler, addTouchMoveHandler, addTouchStartHandler, asEditor, getDirection, getText, getTextDirection, removeClickListener, removeMouseListener, removeMouseWheelListener, setDirection, setText, setText, wrap

Methods inherited from class com.google.gwt.user.client.ui.LabelBase

getAutoHorizontalAlignment, getDirectionEstimator, getHorizontalAlignment, getWordWrap, setAutoHorizontalAlignment, setDirectionEstimator, setDirectionEstimator, setHorizontalAlignment, setWordWrap, updateHorizontalAlignment

Methods inherited from class com.google.gwt.user.client.ui.Widget

addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget, asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren, doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached, isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload, removeFromParent, setLayoutData, sinkEvents

Methods inherited from class com.google.gwt.user.client.ui.UIObject

addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId, getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth, getStyleElement, getStyleName, getStyleName, getStylePrimaryName, getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId, removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement, setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName, setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString, unsinkEvents

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface com.google.gwt.user.client.ui.HasVisibility

isVisible, setVisible

Methods inherited from interface com.google.gwt.user.client.EventListener

onBrowserEvent

Methods inherited from interface com.google.gwt.event.logical.shared.HasAttachHandlers

addAttachHandler, isAttached

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.IsWidget

asWidget

Methods inherited from interface com.google.gwt.user.client.ui.HasWordWrap

getWordWrap, setWordWrap

Methods inherited from interface com.google.gwt.i18n.shared.HasDirectionEstimator

getDirectionEstimator, setDirectionEstimator, setDirectionEstimator

Methods inherited from interface com.google.gwt.user.client.ui.HasAutoHorizontalAlignment

getAutoHorizontalAlignment, setAutoHorizontalAlignment

Methods inherited from interface com.google.gwt.user.client.ui.HasHorizontalAlignment

getHorizontalAlignment, setHorizontalAlignment

Methods inherited from interface com.google.gwt.user.client.ui.HasDirectionalText

getTextDirection, setText

Methods inherited from interface com.google.gwt.user.client.ui.HasText

getText, setText

Methods inherited from interface com.google.gwt.i18n.client.HasDirection

getDirection, setDirection

Methods inherited from interface com.google.gwt.event.dom.client.HasClickHandlers

addClickHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDoubleClickHandlers

addDoubleClickHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.SourcesClickEvents

addClickListener, removeClickListener

Methods inherited from interface com.google.gwt.user.client.ui.SourcesMouseEvents

addMouseListener, removeMouseListener

Methods inherited from interface com.google.gwt.event.dom.client.HasDragEndHandlers

addDragEndHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDragEnterHandlers

addDragEnterHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDragLeaveHandlers

addDragLeaveHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDragHandlers

addDragHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDragOverHandlers

addDragOverHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDragStartHandlers

addDragStartHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDropHandlers

addDropHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasGestureStartHandlers

addGestureStartHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasGestureChangeHandlers

addGestureChangeHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasGestureEndHandlers

addGestureEndHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasMouseDownHandlers

addMouseDownHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasMouseUpHandlers

addMouseUpHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasMouseOutHandlers

addMouseOutHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasMouseOverHandlers

addMouseOverHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasMouseMoveHandlers

addMouseMoveHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasMouseWheelHandlers

addMouseWheelHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasTouchStartHandlers

addTouchStartHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasTouchMoveHandlers

addTouchMoveHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasTouchEndHandlers

addTouchEndHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasTouchCancelHandlers

addTouchCancelHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.editor.client.IsEditor

asEditor

Constructors

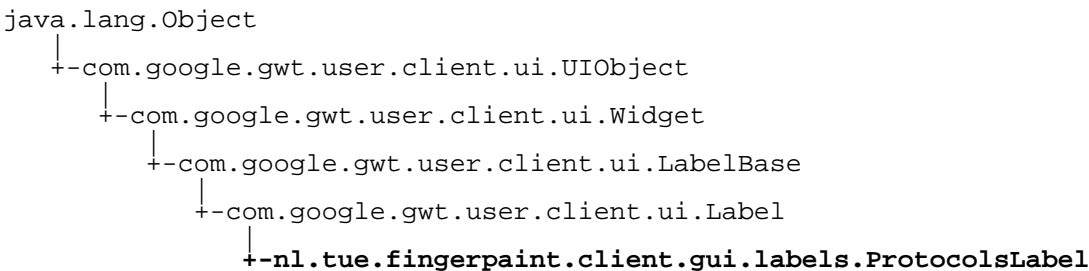
ProtocolRepresentationLabel

```
public ProtocolRepresentationLabel()
```

Construct the [ProtocolRepresentationLabel](#). Initially, this label is not visible and gets a special ID.

nl.tue.fingerpaint.client.gui.labels

Class ProtocolsLabel



All Implemented Interfaces:
com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget,
com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener,
com.google.gwt.user.client.ui.HasAutoHorizontalAlignment, com.google.gwt.i18n.shared.HasDirectionEstimator,
com.google.gwt.user.client.ui.HasWordWrap, com.google.gwt.editor.client.IsEditor,
com.google.gwt.event.dom.client.HasAllTouchHandlers, com.google.gwt.event.dom.client.HasAllMouseHandlers,
com.google.gwt.event.dom.client.HasAllGestureHandlers,
com.google.gwt.event.dom.client.HasAllDragAndDropHandlers, com.google.gwt.user.client.ui.SourcesMouseEvents,
com.google.gwt.user.client.ui.SourcesClickEvents, com.google.gwt.event.dom.client.HasDoubleClickHandlers,
com.google.gwt.event.dom.client.HasClickHandlers, com.google.gwt.i18n.client.HasDirection,
com.google.gwt.user.client.ui.HasDirectionalText

```
public class ProtocolsLabel
extends com.google.gwt.user.client.ui.Label
```

Header for the protocols submenu.

| | |
|---|--|
| Fields inherited from class com.google.gwt.user.client.ui.Label | |
| DEFAULT_DIRECTION_ESTIMATOR | |
| Fields inherited from class com.google.gwt.user.client.ui.UIObject | |
| DEBUG_ID_PREFIX | |
| Fields inherited from interface com.google.gwt.user.client.ui.HasAutoHorizontalAlignment | |
| ALIGN_CONTENT_END, ALIGN_CONTENT_START | |
| Fields inherited from interface com.google.gwt.user.client.ui.HasHorizontalAlignment | |
| ALIGN_CENTER, ALIGN_DEFAULT, ALIGN_JUSTIFY, ALIGN_LEFT, ALIGN_LOCALE_END, ALIGN_LOCALE_START, ALIGN_RIGHT | |
| Constructor Summary | |
| public | ProtocolsLabel() Construct the ProtocolsLabel . |
| Methods inherited from class com.google.gwt.user.client.ui.Label | |

addClickHandler, addClickListener, addDoubleClickHandler, addDragEndHandler, addDragEnterHandler, addDragHandler, addDragLeaveHandler, addDragOverHandler, addDragStartHandler, addDropHandler, addGestureChangeHandler, addGestureEndHandler, addGestureStartHandler, addMouseDownHandler, addMouseListener, addMouseMoveHandler, addMouseOutHandler, addMouseOverHandler, addMouseUpHandler, addMouseWheelHandler, addMouseWheelListener, addTouchCancelHandler, addTouchEndHandler, addTouchMoveHandler, addTouchStartHandler, asEditor, getDirection, getText, getTextDirection, removeClickListener, removeMouseListener, removeMouseWheelListener, setDirection, setText, setText, wrap

Methods inherited from class com.google.gwt.user.client.ui.LabelBase

getAutoHorizontalAlignment, getDirectionEstimator, getHorizontalAlignment, getWordWrap, setAutoHorizontalAlignment, setDirectionEstimator, setDirectionEstimator, setHorizontalAlignment, setWordWrap, updateHorizontalAlignment

Methods inherited from class com.google.gwt.user.client.ui.Widget

addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget, asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren, doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached, isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload, removeFromParent, setLayoutData, sinkEvents

Methods inherited from class com.google.gwt.user.client.ui.UIObject

addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId, getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth, getStyleElement, getStyleName, getStyleName, getStylePrimaryName, getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId, removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement, setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName, setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString, unsinkEvents

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface com.google.gwt.user.client.ui.HasVisibility

isVisible, setVisible

Methods inherited from interface com.google.gwt.user.client.EventListener

onBrowserEvent

Methods inherited from interface com.google.gwt.event.logical.shared.HasAttachHandlers

addAttachHandler, isAttached

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.IsWidget

asWidget

Methods inherited from interface com.google.gwt.user.client.ui.HasWordWrap

getWordWrap, setWordWrap

Methods inherited from interface com.google.gwt.i18n.shared.HasDirectionEstimator

getDirectionEstimator, setDirectionEstimator, setDirectionEstimator

Methods inherited from interface com.google.gwt.user.client.ui.HasAutoHorizontalAlignment

getAutoHorizontalAlignment, setAutoHorizontalAlignment

Methods inherited from interface com.google.gwt.user.client.ui.HasHorizontalAlignment

getHorizontalAlignment, setHorizontalAlignment

Methods inherited from interface com.google.gwt.user.client.ui.HasDirectionalText

getTextDirection, setText

Methods inherited from interface com.google.gwt.user.client.ui.HasText

getText, setText

Methods inherited from interface com.google.gwt.i18n.client.HasDirection

getDirection, setDirection

Methods inherited from interface com.google.gwt.event.dom.client.HasClickHandlers

addClickHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDoubleClickHandlers

addDoubleClickHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.SourcesClickEvents

addClickListener, removeClickListener

Methods inherited from interface com.google.gwt.user.client.ui.SourcesMouseEvents

addMouseListener, removeMouseListener

Methods inherited from interface com.google.gwt.event.dom.client.HasDragEndHandlers

| |
|-------------------|
| addDragEndHandler |
|-------------------|

| |
|---|
| Methods inherited from interface com.google.gwt.event.shared.HasHandlers |
|---|

| |
|-----------|
| fireEvent |
|-----------|

| |
|--|
| Methods inherited from interface com.google.gwt.event.dom.client.HasDragEnterHandlers |
|--|

| |
|---------------------|
| addDragEnterHandler |
|---------------------|

| |
|---|
| Methods inherited from interface com.google.gwt.event.shared.HasHandlers |
|---|

| |
|-----------|
| fireEvent |
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| |
|--|
| Methods inherited from interface com.google.gwt.event.dom.client.HasDragLeaveHandlers |
|--|

| |
|---------------------|
| addDragLeaveHandler |
|---------------------|

| |
|---|
| Methods inherited from interface com.google.gwt.event.shared.HasHandlers |
|---|

| |
|-----------|
| fireEvent |
|-----------|

| |
|---|
| Methods inherited from interface com.google.gwt.event.dom.client.HasDragHandlers |
|---|

| |
|----------------|
| addDragHandler |
|----------------|

| |
|---|
| Methods inherited from interface com.google.gwt.event.shared.HasHandlers |
|---|

| |
|-----------|
| fireEvent |
|-----------|

| |
|---|
| Methods inherited from interface com.google.gwt.event.dom.client.HasDragOverHandlers |
|---|

| |
|--------------------|
| addDragOverHandler |
|--------------------|

| |
|---|
| Methods inherited from interface com.google.gwt.event.shared.HasHandlers |
|---|

| |
|-----------|
| fireEvent |
|-----------|

| |
|--|
| Methods inherited from interface com.google.gwt.event.dom.client.HasDragStartHandlers |
|--|

| |
|---------------------|
| addDragStartHandler |
|---------------------|

| |
|---|
| Methods inherited from interface com.google.gwt.event.shared.HasHandlers |
|---|

| |
|-----------|
| fireEvent |
|-----------|

| |
|---|
| Methods inherited from interface com.google.gwt.event.dom.client.HasDropHandlers |
|---|

| |
|----------------|
| addDropHandler |
|----------------|

| |
|---|
| Methods inherited from interface com.google.gwt.event.shared.HasHandlers |
|---|

| |
|-----------|
| fireEvent |
|-----------|

| |
|---|
| Methods inherited from interface com.google.gwt.event.dom.client.HasGestureStartHandlers |
|---|

| |
|------------------------|
| addGestureStartHandler |
|------------------------|

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasGestureChangeHandlers

addGestureChangeHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasGestureEndHandlers

addGestureEndHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasMouseDownHandlers

addMouseDownHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasMouseUpHandlers

addMouseUpHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasMouseOutHandlers

addMouseOutHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasMouseOverHandlers

addMouseOverHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasMouseMoveHandlers

addMouseMoveHandler

| |
|--|
| Methods inherited from interface <code>com.google.gwt.event.shared.HasHandlers</code> |
|--|

| |
|------------------------|
| <code>fireEvent</code> |
|------------------------|

| |
|--|
| Methods inherited from interface <code>com.google.gwt.event.dom.client.HasMouseWheelHandlers</code> |
|--|

| |
|-----------------------------------|
| <code>addMouseWheelHandler</code> |
|-----------------------------------|

| |
|--|
| Methods inherited from interface <code>com.google.gwt.event.shared.HasHandlers</code> |
|--|

| |
|------------------------|
| <code>fireEvent</code> |
|------------------------|

| |
|--|
| Methods inherited from interface <code>com.google.gwt.event.dom.client.HasTouchStartHandlers</code> |
|--|

| |
|-----------------------------------|
| <code>addTouchStartHandler</code> |
|-----------------------------------|

| |
|--|
| Methods inherited from interface <code>com.google.gwt.event.shared.HasHandlers</code> |
|--|

| |
|------------------------|
| <code>fireEvent</code> |
|------------------------|

| |
|---|
| Methods inherited from interface <code>com.google.gwt.event.dom.client.HasTouchMoveHandlers</code> |
|---|

| |
|----------------------------------|
| <code>addTouchMoveHandler</code> |
|----------------------------------|

| |
|--|
| Methods inherited from interface <code>com.google.gwt.event.shared.HasHandlers</code> |
|--|

| |
|------------------------|
| <code>fireEvent</code> |
|------------------------|

| |
|--|
| Methods inherited from interface <code>com.google.gwt.event.dom.client.HasTouchEndHandlers</code> |
|--|

| |
|---------------------------------|
| <code>addTouchEndHandler</code> |
|---------------------------------|

| |
|--|
| Methods inherited from interface <code>com.google.gwt.event.shared.HasHandlers</code> |
|--|

| |
|------------------------|
| <code>fireEvent</code> |
|------------------------|

| |
|---|
| Methods inherited from interface <code>com.google.gwt.event.dom.client.HasTouchCancelHandlers</code> |
|---|

| |
|------------------------------------|
| <code>addTouchCancelHandler</code> |
|------------------------------------|

| |
|--|
| Methods inherited from interface <code>com.google.gwt.event.shared.HasHandlers</code> |
|--|

| |
|------------------------|
| <code>fireEvent</code> |
|------------------------|

| |
|--|
| Methods inherited from interface <code>com.google.gwt.editor.client.IsEditor</code> |
|--|

| |
|-----------------------|
| <code>asEditor</code> |
|-----------------------|

Constructors

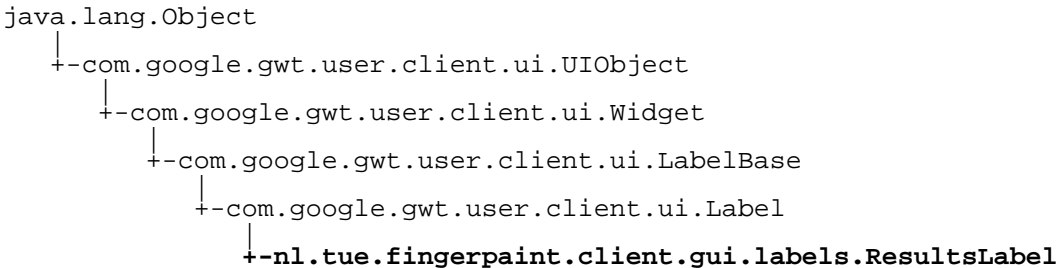
ProtocolsLabel

```
public ProtocolsLabel()
```

Construct the [ProtocolsLabel](#).

nl.tue.fingerprint.client.gui.labels

Class ResultsLabel



All Implemented Interfaces:
com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener, com.google.gwt.user.client.ui.HasAutoHorizontalAlignment, com.google.gwt.i18n.shared.HasDirectionEstimator, com.google.gwt.user.client.ui.HasWordWrap, com.google.gwt.editor.client.IsEditor, com.google.gwt.event.dom.client.HasAllTouchHandlers, com.google.gwt.event.dom.client.HasAllMouseHandlers, com.google.gwt.event.dom.client.HasAllGestureHandlers, com.google.gwt.event.dom.client.HasAllDragAndDropHandlers, com.google.gwt.user.client.ui.SourcesMouseEvents, com.google.gwt.user.client.ui.SourcesClickEvents, com.google.gwt.event.dom.client.HasDoubleClickHandlers, com.google.gwt.event.dom.client.HasClickHandlers, com.google.gwt.i18n.client.HasDirection, com.google.gwt.user.client.ui.HasDirectionalText

```
public class ResultsLabel
extends com.google.gwt.user.client.ui.Label
```

Header for the results submenu.

| |
|---|
| Fields inherited from class com.google.gwt.user.client.ui.Label |
| DEFAULT_DIRECTION_ESTIMATOR |
| Fields inherited from class com.google.gwt.user.client.ui.UIObject |
| DEBUG_ID_PREFIX |
| Fields inherited from interface com.google.gwt.user.client.ui.HasAutoHorizontalAlignment |
| ALIGN_CONTENT_END, ALIGN_CONTENT_START |
| Fields inherited from interface com.google.gwt.user.client.ui.HasHorizontalAlignment |
| ALIGN_CENTER, ALIGN_DEFAULT, ALIGN_JUSTIFY, ALIGN_LEFT, ALIGN_LOCALE_END, ALIGN_LOCALE_START, ALIGN_RIGHT |

| | |
|----------------------------|--|
| Constructor Summary | |
| public | ResultsLabel () Construct the ResultsLabel . |

| |
|---|
| Methods inherited from class com.google.gwt.user.client.ui.Label |
|---|

addClickHandler, addClickListener, addDoubleClickHandler, addDragEndHandler, addDragEnterHandler, addDragHandler, addDragLeaveHandler, addDragOverHandler, addDragStartHandler, addDropHandler, addGestureChangeHandler, addGestureEndHandler, addGestureStartHandler, addMouseDownHandler, addMouseListener, addMouseMoveHandler, addMouseOutHandler, addMouseOverHandler, addMouseUpHandler, addMouseWheelHandler, addMouseWheelListener, addTouchCancelHandler, addTouchEndHandler, addTouchMoveHandler, addTouchStartHandler, asEditor, getDirection, getText, getTextDirection, removeClickListener, removeMouseListener, removeMouseWheelListener, setDirection, setText, setText, wrap

Methods inherited from class com.google.gwt.user.client.ui.LabelBase

getAutoHorizontalAlignment, getDirectionEstimator, getHorizontalAlignment, getWordWrap, setAutoHorizontalAlignment, setDirectionEstimator, setDirectionEstimator, setHorizontalAlignment, setWordWrap, updateHorizontalAlignment

Methods inherited from class com.google.gwt.user.client.ui.Widget

addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget, asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren, doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached, isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload, removeFromParent, setLayoutData, sinkEvents

Methods inherited from class com.google.gwt.user.client.ui.UIObject

addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId, getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth, getStyleElement, getStyleName, getStyleName, getStylePrimaryName, getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId, removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement, setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName, setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString, unsinkEvents

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface com.google.gwt.user.client.ui.HasVisibility

isVisible, setVisible

Methods inherited from interface com.google.gwt.user.client.EventListener

onBrowserEvent

Methods inherited from interface com.google.gwt.event.logical.shared.HasAttachHandlers

addAttachHandler, isAttached

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.IsWidget

asWidget

Methods inherited from interface com.google.gwt.user.client.ui.HasWordWrap

getWordWrap, setWordWrap

Methods inherited from interface com.google.gwt.i18n.shared.HasDirectionEstimator

getDirectionEstimator, setDirectionEstimator, setDirectionEstimator

Methods inherited from interface com.google.gwt.user.client.ui.HasAutoHorizontalAlignment

getAutoHorizontalAlignment, setAutoHorizontalAlignment

Methods inherited from interface com.google.gwt.user.client.ui.HasHorizontalAlignment

getHorizontalAlignment, setHorizontalAlignment

Methods inherited from interface com.google.gwt.user.client.ui.HasDirectionalText

getTextDirection, setText

Methods inherited from interface com.google.gwt.user.client.ui.HasText

getText, setText

Methods inherited from interface com.google.gwt.i18n.client.HasDirection

getDirection, setDirection

Methods inherited from interface com.google.gwt.event.dom.client.HasClickHandlers

addClickHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDoubleClickHandlers

addDoubleClickHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.SourcesClickEvents

addClickListener, removeClickListener

Methods inherited from interface com.google.gwt.user.client.ui.SourcesMouseEvents

addMouseListener, removeMouseListener

Methods inherited from interface com.google.gwt.event.dom.client.HasDragEndHandlers

addDragEndHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDragEnterHandlers

addDragEnterHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDragLeaveHandlers

addDragLeaveHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDragHandlers

addDragHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDragOverHandlers

addDragOverHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDragStartHandlers

addDragStartHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDropHandlers

addDropHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasGestureStartHandlers

addGestureStartHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasGestureChangeHandlers

addGestureChangeHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasGestureEndHandlers

addGestureEndHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasMouseDownHandlers

addMouseDownHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasMouseUpHandlers

addMouseUpHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasMouseOutHandlers

addMouseOutHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasMouseOverHandlers

addMouseOverHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasMouseMoveHandlers

addMouseMoveHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasMouseWheelHandlers

addMouseWheelHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasTouchStartHandlers

addTouchStartHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasTouchMoveHandlers

addTouchMoveHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasTouchEndHandlers

addTouchEndHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasTouchCancelHandlers

addTouchCancelHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.editor.client.IsEditor

asEditor

Constructors

ResultsLabel

```
public ResultsLabel()
```

Construct the [ResultsLabel](#).

nl.tue.fingerpaint.client.gui.labels

Class SaveMessageLabel

```

java.lang.Object
├── com.google.gwt.user.client.ui.UIObject
│   ├── com.google.gwt.user.client.ui.Widget
│   │   ├── com.google.gwt.user.client.ui.LabelBase
│   │   │   ├── com.google.gwt.user.client.ui.Label
│   │   │   │   └── nl.tue.fingerpaint.client.gui.labels.SaveMessageLabel

```

All Implemented Interfaces:

com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener, com.google.gwt.user.client.ui.HasAutoHorizontalAlignment, com.google.gwt.i18n.shared.HasDirectionEstimator, com.google.gwt.user.client.ui.HasWordWrap, com.google.gwt.editor.client.IsEditor, com.google.gwt.event.dom.client.HasAllTouchHandlers, com.google.gwt.event.dom.client.HasAllMouseHandlers, com.google.gwt.event.dom.client.HasAllGestureHandlers, com.google.gwt.event.dom.client.HasAllDragAndDropHandlers, com.google.gwt.user.client.ui.SourcesMouseEvents, com.google.gwt.user.client.ui.SourcesClickEvents, com.google.gwt.event.dom.client.HasDoubleClickHandlers, com.google.gwt.event.dom.client.HasClickHandlers, com.google.gwt.i18n.client.HasDirection, com.google.gwt.user.client.ui.HasDirectionalText

```

public class SaveMessageLabel
extends com.google.gwt.user.client.ui.Label

```

Label that is used to indicate that a save was not successful, but it is possible to overwrite.

| Fields inherited from class com.google.gwt.user.client.ui.Label |
|---|
| DEFAULT_DIRECTION_ESTIMATOR |

| Fields inherited from class com.google.gwt.user.client.ui.UIObject |
|--|
| DEBUG_ID_PREFIX |

| Fields inherited from interface com.google.gwt.user.client.ui.HasAutoHorizontalAlignment |
|--|
| ALIGN_CONTENT_END, ALIGN_CONTENT_START |

| Fields inherited from interface com.google.gwt.user.client.ui.HasHorizontalAlignment |
|---|
| ALIGN_CENTER, ALIGN_DEFAULT, ALIGN_JUSTIFY, ALIGN_LEFT, ALIGN_LOCALE_END, ALIGN_LOCALE_START, ALIGN_RIGHT |

| Constructor Summary | |
|---------------------|--|
| public | SaveMessageLabel() Construct the SaveMessageLabel . |

| Methods inherited from class com.google.gwt.user.client.ui.Label |
|--|
|--|

addClickHandler, addClickListener, addDoubleClickHandler, addDragEndHandler, addDragEnterHandler, addDragHandler, addDragLeaveHandler, addDragOverHandler, addDragStartHandler, addDropHandler, addGestureChangeHandler, addGestureEndHandler, addGestureStartHandler, addMouseDownHandler, addMouseListener, addMouseMoveHandler, addMouseOutHandler, addMouseOverHandler, addMouseUpHandler, addMouseWheelHandler, addMouseWheelListener, addTouchCancelHandler, addTouchEndHandler, addTouchMoveHandler, addTouchStartHandler, asEditor, getDirection, getText, getTextDirection, removeClickListener, removeMouseListener, removeMouseWheelListener, setDirection, setText, setText, wrap

Methods inherited from class com.google.gwt.user.client.ui.LabelBase

getAutoHorizontalAlignment, getDirectionEstimator, getHorizontalAlignment, getWordWrap, setAutoHorizontalAlignment, setDirectionEstimator, setDirectionEstimator, setHorizontalAlignment, setWordWrap, updateHorizontalAlignment

Methods inherited from class com.google.gwt.user.client.ui.Widget

addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget, asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren, doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached, isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload, removeFromParent, setLayoutData, sinkEvents

Methods inherited from class com.google.gwt.user.client.ui.UIObject

addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId, getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth, getStyleElement, getStyleName, getStyleName, getStylePrimaryName, getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId, removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement, setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName, setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString, unsinkEvents

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface com.google.gwt.user.client.ui.HasVisibility

isVisible, setVisible

Methods inherited from interface com.google.gwt.user.client.EventListener

onBrowserEvent

Methods inherited from interface com.google.gwt.event.logical.shared.HasAttachHandlers

addAttachHandler, isAttached

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.IsWidget

asWidget

Methods inherited from interface com.google.gwt.user.client.ui.HasWordWrap

getWordWrap, setWordWrap

Methods inherited from interface com.google.gwt.i18n.shared.HasDirectionEstimator

getDirectionEstimator, setDirectionEstimator, setDirectionEstimator

Methods inherited from interface com.google.gwt.user.client.ui.HasAutoHorizontalAlignment

getAutoHorizontalAlignment, setAutoHorizontalAlignment

Methods inherited from interface com.google.gwt.user.client.ui.HasHorizontalAlignment

getHorizontalAlignment, setHorizontalAlignment

Methods inherited from interface com.google.gwt.user.client.ui.HasDirectionalText

getTextDirection, setText

Methods inherited from interface com.google.gwt.user.client.ui.HasText

getText, setText

Methods inherited from interface com.google.gwt.i18n.client.HasDirection

getDirection, setDirection

Methods inherited from interface com.google.gwt.event.dom.client.HasClickHandlers

addClickHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDoubleClickHandlers

addDoubleClickHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.SourcesClickEvents

addClickListener, removeClickListener

Methods inherited from interface com.google.gwt.user.client.ui.SourcesMouseEvents

addMouseListener, removeMouseListener

Methods inherited from interface com.google.gwt.event.dom.client.HasDragEndHandlers

addDragEndHandler

Methods inherited from interface `com.google.gwt.event.shared.HasHandlers`

fireEvent

Methods inherited from interface `com.google.gwt.event.dom.client.HasDragEnterHandlers`

addDragEnterHandler

Methods inherited from interface `com.google.gwt.event.shared.HasHandlers`

fireEvent

Methods inherited from interface `com.google.gwt.event.dom.client.HasDragLeaveHandlers`

addDragLeaveHandler

Methods inherited from interface `com.google.gwt.event.shared.HasHandlers`

fireEvent

Methods inherited from interface `com.google.gwt.event.dom.client.HasDragHandlers`

addDragHandler

Methods inherited from interface `com.google.gwt.event.shared.HasHandlers`

fireEvent

Methods inherited from interface `com.google.gwt.event.dom.client.HasDragOverHandlers`

addDragOverHandler

Methods inherited from interface `com.google.gwt.event.shared.HasHandlers`

fireEvent

Methods inherited from interface `com.google.gwt.event.dom.client.HasDragStartHandlers`

addDragStartHandler

Methods inherited from interface `com.google.gwt.event.shared.HasHandlers`

fireEvent

Methods inherited from interface `com.google.gwt.event.dom.client.HasDropHandlers`

addDropHandler

Methods inherited from interface `com.google.gwt.event.shared.HasHandlers`

fireEvent

Methods inherited from interface `com.google.gwt.event.dom.client.HasGestureStartHandlers`

addGestureStartHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasGestureChangeHandlers

addGestureChangeHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasGestureEndHandlers

addGestureEndHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasMouseDownHandlers

addMouseDownHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasMouseUpHandlers

addMouseUpHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasMouseOutHandlers

addMouseOutHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasMouseOverHandlers

addMouseOverHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasMouseMoveHandlers

addMouseMoveHandler

Methods inherited from interface `com.google.gwt.event.shared.HasHandlers``fireEvent`**Methods inherited from interface** `com.google.gwt.event.dom.client.HasMouseWheelHandlers``addMouseWheelHandler`**Methods inherited from interface** `com.google.gwt.event.shared.HasHandlers``fireEvent`**Methods inherited from interface** `com.google.gwt.event.dom.client.HasTouchStartHandlers``addTouchStartHandler`**Methods inherited from interface** `com.google.gwt.event.shared.HasHandlers``fireEvent`**Methods inherited from interface** `com.google.gwt.event.dom.client.HasTouchMoveHandlers``addTouchMoveHandler`**Methods inherited from interface** `com.google.gwt.event.shared.HasHandlers``fireEvent`**Methods inherited from interface** `com.google.gwt.event.dom.client.HasTouchEndHandlers``addTouchEndHandler`**Methods inherited from interface** `com.google.gwt.event.shared.HasHandlers``fireEvent`**Methods inherited from interface** `com.google.gwt.event.dom.client.HasTouchCancelHandlers``addTouchCancelHandler`**Methods inherited from interface** `com.google.gwt.event.shared.HasHandlers``fireEvent`**Methods inherited from interface** `com.google.gwt.editor.client.IsEditor``asEditor`

Constructors

SaveMessageLabel

```
public SaveMessageLabel()
```

Construct the [SaveMessageLabel](#).

Package

nl.tue.fingerpaint.client.gui.menu

nl.tue.fingerpaint.client.gui.menu Class MenuLevelSwitcher

```
java.lang.Object
```

```
└-nl.tue.fingerpaint.client.gui.menu.MenuLevelSwitcher
```

```
public class MenuLevelSwitcher
extends java.lang.Object
```

This class provides some static utility functions to switch to/from a menu on one level to another.

Field Summary

| | |
|---------------------------|---|
| protected static | level The currently shown menu level. |
| protected static final | MENU_ANIMATION Animation that is used to switch between the levels in the menu. |
| public static final | MENU_SWITCH_DURATION Duration of the animation to switch between two menu levels in milliseconds. Value: 300 |

Constructor Summary

| | |
|--------|-------------------------------------|
| public | MenuLevelSwitcher() |
|--------|-------------------------------------|

Method Summary

| | |
|-------------|--|
| static int | getCurrentLevel() Return the currently shown menu level. |
| static void | go(int level) Show the given menu level. |
| static void | go(int level, com.google.gwt.user.client.rpc.AsyncCallback callback) Show the given menu level. |
| static void | goBack() Go up one level. |
| static void | goBack(com.google.gwt.user.client.rpc.AsyncCallback callback) Go up one level. |
| static void | showSub1MenuDefineProtocol() Switch to the level 1 menu in which a user can define a protocol. |
| static void | showSub1MenuDistributions() Switch to the level 1 menu in which a user can save, load, remove and export distributions. |
| static void | showSub1MenuResults() Switch to the level 1 menu in which a user can save, load and remove results. |

| | |
|-------------|--|
| static void | showSub1MenuToolSelector() Switch to the level 1 menu in which a user can change the drawing tool. |
| static void | showSub2MenuProtocols() Switch to the level 2 menu in which a user can save, load and remove protocols. |

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

MENU_SWITCH_DURATION

```
public static final int MENU_SWITCH_DURATION
```

Duration of the animation to switch between two menu levels in milliseconds.
Constant value: **300**

MENU_ANIMATION

```
protected static final nl.tue.fingerpaint.client.gui.animation.MarginAnimation  
MENU_ANIMATION
```

Animation that is used to switch between the levels in the menu.

level

```
protected static int level
```

The currently shown menu level.

Constructors

MenuLevelSwitcher

```
public MenuLevelSwitcher()
```

Methods

getCurrentLevel

```
public static int getCurrentLevel()
```

Return the currently shown menu level.

Returns:

0 when main menu is shown, 1 when submenu is shown, et cetera.

go

```
public static void go(int level)
```

(continued from last page)

Show the given menu level.

Parameters:

level - Menu level to show.

go

```
public static void go(int level,  
    com.google.gwt.user.client.rpc.AsyncCallback callback)
```

Show the given menu level.

Parameters:

level - Menu level to show.

callback - Callback to call when animation has completed. Ignored when null.

goBack

```
public static void goBack()
```

Go up one level.

goBack

```
public static void goBack(com.google.gwt.user.client.rpc.AsyncCallback callback)
```

Go up one level.

Parameters:

callback - Callback to call when the animation has completed. Is guaranteed to only be called by AsyncCallback.onSuccess(T) with true as parameter. Ignored when null.

showSub1MenuDefineProtocol

```
public static void showSub1MenuDefineProtocol()
```

Switch to the level 1 menu in which a user can define a protocol. He/she can also access another submenu where he/she can save, load and remove protocols.

showSub1MenuDistributions

```
public static void showSub1MenuDistributions()
```

Switch to the level 1 menu in which a user can save, load, remove and export distributions.

showSub1MenuResults

```
public static void showSub1MenuResults()
```

Switch to the level 1 menu in which a user can save, load and remove results.

showSub1MenuToolSelector

```
public static void showSub1MenuToolSelector()
```

Switch to the level 1 menu in which a user can change the drawing tool.

(continued from last page)

showSub2MenuProtocols

```
public static void showSub2MenuProtocols()
```

Switch to the level 2 menu in which a user can save, load and remove protocols.

Package

nl.tue.fingerpaint.client.gui.panels

nl.tue.fingerpaint.client.gui.panels

Class ComparePopupPanel

```

java.lang.Object
├── com.google.gwt.user.client.ui.UIObject
│   ├── com.google.gwt.user.client.ui.Widget
│   │   ├── com.google.gwt.user.client.ui.Panel
│   │   │   ├── com.google.gwt.user.client.ui.SimplePanel
│   │   │   │   ├── com.google.gwt.user.client.ui.PopupPanel
│   │   │   │       └── nl.tue.fingerpaint.client.gui.panels.ComparePopupPanel

```

All Implemented Interfaces:

com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget,
 com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener,
 com.google.gwt.user.client.ui.HasWidgets.ForIsWidget, com.google.gwt.user.client.ui.HasOneWidget,
 com.google.gwt.event.logical.shared.HasCloseHandlers, com.google.gwt.user.client.ui.HasAnimation,
 com.google.gwt.user.client.EventPreview, com.google.gwt.user.client.ui.SourcesPopupEvents

public class **ComparePopupPanel**
 extends com.google.gwt.user.client.ui.PopupPanel

PopupPanel that can be used to let a user pick two results that need to be compared.

Fields inherited from class com.google.gwt.user.client.ui.UIObject

DEBUG_ID_PREFIX

Constructor Summary

public

[ComparePopupPanel\(\)](#)

Construct a new ComparePopupPanel that can be used to let a user pick two results that need to be compared.

Methods inherited from class com.google.gwt.user.client.ui.PopupPanel

addAutoHidePartner, addCloseHandler, addPopupListener, center, getContainerElement, getGlassElement, getGlassStyleName, getOffsetHeight, getOffsetWidth, getPopupLeft, getPopupTop, getStyleElement, getTitle, hide, hide, isAnimationEnabled, isAutoHideEnabled, isAutoHideOnHistoryEventsEnabled, isGlassEnabled, isModal, isPreviewingAllNativeEvents, isShowing, isVisible, onEventPreview, onKeyDownPreview, onKeyPressPreview, onKeyUpPreview, onPreviewNativeEvent, onUnload, removeAutoHidePartner, removePopupListener, setAnimationEnabled, setAutoHideEnabled, setAutoHideOnHistoryEventsEnabled, setGlassEnabled, setGlassStyleName, setHeight, setModal, setPopupPosition, setPopupPositionAndShow, setPreviewingAllNativeEvents, setTitle, setVisible, setWidget, setWidth, show, showRelativeTo

Methods inherited from class com.google.gwt.user.client.ui.SimplePanel

add, getContainerElement, getWidget, iterator, remove, setWidget, setWidget

Methods inherited from class com.google.gwt.user.client.ui.Panel

add, add, adopt, adopt, clear, disown, doAttachChildren, doDetachChildren, orphan, remove, remove

Methods inherited from class com.google.gwt.user.client.ui.Widget

addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget, asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren, doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached, isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload, removeFromParent, setLayoutData, sinkEvents

Methods inherited from class com.google.gwt.user.client.ui.UIObject

addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId, getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth, getStyleElement, getStyleName, getStyleName, getStylePrimaryName, getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId, removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement, setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName, setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString, unsinkEvents

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface com.google.gwt.user.client.ui.HasVisibility

isVisible, setVisible

Methods inherited from interface com.google.gwt.user.client.EventListener

onBrowserEvent

Methods inherited from interface com.google.gwt.event.logical.shared.HasAttachHandlers

addAttachHandler, isAttached

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.IsWidget

asWidget

Methods inherited from interface com.google.gwt.user.client.ui.HasWidgets.ForIsWidget

add, remove

Methods inherited from interface com.google.gwt.user.client.ui.HasWidgets

add, clear, iterator, remove

Methods inherited from interface java.lang.Iterable

iterator

Methods inherited from interface com.google.gwt.user.client.ui.HasOneWidget

getWidget, setWidget

Methods inherited from interface com.google.gwt.user.client.ui.AcceptsOneWidget

setWidget

Methods inherited from interface com.google.gwt.user.client.ui.SourcesPopupEvents

addPopupListener, removePopupListener

Methods inherited from interface com.google.gwt.user.client.EventPreview

onEventPreview

Methods inherited from interface com.google.gwt.user.client.ui.HasAnimation

isAnimationEnabled, setAnimationEnabled

Methods inherited from interface com.google.gwt.event.logical.shared.HasCloseHandlers

addCloseHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Constructors

ComparePopupPanel

```
public ComparePopupPanel()
```

Construct a new ComparePopupPanel that can be used to let a user pick two results that need to be compared.

See Also:

[ComparePopupPanel](#)

nl.tue.fingerpaint.client.gui.panels

Class CompareSelectPopupPanel

```

java.lang.Object
├── com.google.gwt.user.client.ui.UIObject
│   ├── com.google.gwt.user.client.ui.Widget
│   │   ├── com.google.gwt.user.client.ui.Panel
│   │   │   ├── com.google.gwt.user.client.ui.SimplePanel
│   │   │   │   ├── com.google.gwt.user.client.ui.PopupPanel
│   │   │   │       └── nl.tue.fingerpaint.client.gui.panels.CompareSelectPopupPanel

```

All Implemented Interfaces:

com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget,
 com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener,
 com.google.gwt.user.client.ui.HasWidgets.ForIsWidget, com.google.gwt.user.client.ui.HasOneWidget,
 com.google.gwt.event.logical.shared.HasCloseHandlers, com.google.gwt.user.client.ui.HasAnimation,
 com.google.gwt.user.client.EventPreview, com.google.gwt.user.client.ui.SourcesPopupEvents

```

public class CompareSelectPopupPanel
extends com.google.gwt.user.client.ui.PopupPanel

```

PopupPanel that can be used to let a user pick two results that need to be compared.

Fields inherited from class com.google.gwt.user.client.ui.UIObject

DEBUG_ID_PREFIX

Constructor Summary

public

[CompareSelectPopupPanel](#)()

Construct a new CompareSelectPopupPanel that can be used to let a user pick two results that need to be compared.

Methods inherited from class com.google.gwt.user.client.ui.PopupPanel

addAutoHidePartner, addCloseHandler, addPopupListener, center, getContainerElement, getGlassElement, getGlassStyleName, getOffsetHeight, getOffsetWidth, getPopupLeft, getPopupTop, getStyleElement, getTitle, hide, hide, isAnimationEnabled, isAutoHideEnabled, isAutoHideOnHistoryEventsEnabled, isGlassEnabled, isModal, isPreviewingAllNativeEvents, isShowing, isVisible, onEventPreview, onKeyDownPreview, onKeyPressPreview, onKeyUpPreview, onPreviewNativeEvent, onUnload, removeAutoHidePartner, removePopupListener, setAnimationEnabled, setAutoHideEnabled, setAutoHideOnHistoryEventsEnabled, setGlassEnabled, setGlassStyleName, setHeight, setModal, setPopupPosition, setPopupPositionAndShow, setPreviewingAllNativeEvents, setTitle, setVisible, setWidget, setWidth, show, showRelativeTo

Methods inherited from class com.google.gwt.user.client.ui.SimplePanel

add, getContainerElement, getWidget, iterator, remove, setWidget, setWidget

Methods inherited from class com.google.gwt.user.client.ui.Panel

add, add, adopt, adopt, clear, disown, doAttachChildren, doDetachChildren, orphan, remove, remove

Methods inherited from class com.google.gwt.user.client.ui.Widget

addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget, asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren, doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached, isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload, removeFromParent, setLayoutData, sinkEvents

Methods inherited from class com.google.gwt.user.client.ui.UIObject

addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId, getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth, getStyleElement, getStyleName, getStyleName, getStylePrimaryName, getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId, removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement, setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName, setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString, unsinkEvents

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface com.google.gwt.user.client.ui.HasVisibility

isVisible, setVisible

Methods inherited from interface com.google.gwt.user.client.EventListener

onBrowserEvent

Methods inherited from interface com.google.gwt.event.logical.shared.HasAttachHandlers

addAttachHandler, isAttached

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.IsWidget

asWidget

Methods inherited from interface com.google.gwt.user.client.ui.HasWidgets.ForIsWidget

add, remove

Methods inherited from interface com.google.gwt.user.client.ui.HasWidgets

add, clear, iterator, remove

Methods inherited from interface java.lang.Iterable

iterator

Methods inherited from interface com.google.gwt.user.client.ui.HasOneWidget

getWidget, setWidget

Methods inherited from interface com.google.gwt.user.client.ui.AcceptsOneWidget

setWidget

Methods inherited from interface com.google.gwt.user.client.ui.SourcesPopupEvents

addPopupListener, removePopupListener

Methods inherited from interface com.google.gwt.user.client.EventPreview

onEventPreview

Methods inherited from interface com.google.gwt.user.client.ui.HasAnimation

isAnimationEnabled, setAnimationEnabled

Methods inherited from interface com.google.gwt.event.logical.shared.HasCloseHandlers

addCloseHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Constructors

CompareSelectPopupPanel

```
public CompareSelectPopupPanel()
```

Construct a new CompareSelectPopupPanel that can be used to let a user pick two results that need to be compared.

See Also:

[CompareSelectPopupPanel](#)

nl.tue.fingerpaint.client.gui.panels

Class LoadPopupPanel

```

java.lang.Object
├── com.google.gwt.user.client.ui.UIObject
│   ├── com.google.gwt.user.client.ui.Widget
│   │   ├── com.google.gwt.user.client.ui.Panel
│   │   │   ├── com.google.gwt.user.client.ui.SimplePanel
│   │   │   │   ├── com.google.gwt.user.client.ui.PopupPanel
│   │   │   │   └── nl.tue.fingerpaint.client.gui.panels.LoadPopupPanel

```

All Implemented Interfaces:

com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener, com.google.gwt.user.client.ui.HasWidgets.ForIsWidget, com.google.gwt.user.client.ui.HasOneWidget, com.google.gwt.event.logical.shared.HasCloseHandlers, com.google.gwt.user.client.ui.HasAnimation, com.google.gwt.user.client.EventPreview, com.google.gwt.user.client.ui.SourcesPopupEvents

```

public class LoadPopupPanel
extends com.google.gwt.user.client.ui.PopupPanel

```

PopupPanel that can be used to show all available "things" in the local storage, that can be loaded in the application. These "things" can be protocols, distributions, ...

Field Summary

| | |
|---------------------|---|
| public static final | LOADING_CLASS Classname that is added to the element when this panel is showing a loading notification. Value: popupPanelLoadingNotification |
|---------------------|---|

Fields inherited from class com.google.gwt.user.client.ui.UIObject

| | |
|-----------------|--|
| DEBUG_ID_PREFIX | |
|-----------------|--|

Constructor Summary

| | |
|--------|--|
| public | LoadPopupPanel() Construct a new LoadPopupPanel that can be used to show all available "things" in the local storage. |
|--------|--|

Method Summary

| | |
|---------|---|
| boolean | isLoading() Return if this panel is currently showing a loading indication or not. |
| void | setIsLoading() Clear this panel, put a label indicating that some loading action is taking place in the panel and show it if it was not visible. |
| void | setIsLoading(java.lang.String msg) Clear this panel, put a label indicating that some action is taking place in the panel and show it if it was not visible. |

| | |
|------|--|
| void | setTopLeft() Given that the popup is showing, put it at the top left of the screen. |
| void | show() Put the GuiState.loadVerticalPanel in this panel and show/center it. |

Methods inherited from class com.google.gwt.user.client.ui.PopupPanel

addAutoHidePartner, addCloseHandler, addPopupListener, center, getContainerElement, getGlassElement, getGlassStyleName, getOffsetHeight, getOffsetWidth, getPopupLeft, getPopupTop, getStyleElement, getTitle, hide, hide, isAnimationEnabled, isAutoHideEnabled, isAutoHideOnHistoryEventsEnabled, isGlassEnabled, isModal, isPreviewingAllNativeEvents, isShowing, isVisible, onEventPreview, onKeyDownPreview, onKeyPressPreview, onKeyUpPreview, onPreviewNativeEvent, onUnload, removeAutoHidePartner, removePopupListener, setAnimationEnabled, setAutoHideEnabled, setAutoHideOnHistoryEventsEnabled, setGlassEnabled, setGlassStyleName, setHeight, setModal, setPopupPosition, setPopupPositionAndShow, setPreviewingAllNativeEvents, setTitle, setVisible, setWidget, setWidth, show, showRelativeTo

Methods inherited from class com.google.gwt.user.client.ui.SimplePanel

add, getContainerElement, getWidget, iterator, remove, setWidget, setWidget

Methods inherited from class com.google.gwt.user.client.ui.Panel

add, add, adopt, adopt, clear, disown, doAttachChildren, doDetachChildren, orphan, remove, remove

Methods inherited from class com.google.gwt.user.client.ui.Widget

addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget, asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren, doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached, isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload, removeFromParent, setLayoutData, sinkEvents

Methods inherited from class com.google.gwt.user.client.ui.UIObject

addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId, getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth, getStyleElement, getStyleName, getStyleName, getStylePrimaryName, getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId, removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement, setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName, setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString, unsinkEvents

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface com.google.gwt.user.client.ui.HasVisibility

isVisible, setVisible

Methods inherited from interface com.google.gwt.user.client.EventListener

onBrowserEvent

Methods inherited from interface com.google.gwt.event.logical.shared.HasAttachHandlers

addAttachHandler, isAttached

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.IsWidget

asWidget

Methods inherited from interface com.google.gwt.user.client.ui.HasWidgets.ForIsWidget

add, remove

Methods inherited from interface com.google.gwt.user.client.ui.HasWidgets

add, clear, iterator, remove

Methods inherited from interface java.lang.Iterable

iterator

Methods inherited from interface com.google.gwt.user.client.ui.HasOneWidget

getWidget, setWidget

Methods inherited from interface com.google.gwt.user.client.ui.AcceptsOneWidget

setWidget

Methods inherited from interface com.google.gwt.user.client.ui.SourcesPopupEvents

addPopupListener, removePopupListener

Methods inherited from interface com.google.gwt.user.client.EventPreview

onEventPreview

Methods inherited from interface com.google.gwt.user.client.ui.HasAnimation

isAnimationEnabled, setAnimationEnabled

Methods inherited from interface com.google.gwt.event.logical.shared.HasCloseHandlers

addCloseHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Fields

LOADING_CLASS

```
public static final java.lang.String LOADING_CLASS
```

Classname that is added to the element when this panel is showing a loading notification.
Constant value: **popupPanelLoadingNotification**

Constructors

LoadPopupPanel

```
public LoadPopupPanel()
```

Construct a new [LoadPopupPanel](#) that can be used to show all available "things" in the local storage.

Note: the [GuiState.loadVerticalPanel](#) needs to be initialised when constructing this panel.

See Also:

[LoadPopupPanel](#)

Methods

setTopLeft

```
public void setTopLeft()
```

Given that the popup is showing, put it at the top left of the screen.

isLoading

```
public boolean isLoading()
```

Return if this panel is currently showing a loading indication or not.

Returns:

true if a loading indication is showing, false otherwise

setIsLoading

```
public void setIsLoading()
```

Clear this panel, put a label indicating that some loading action is taking place in the panel and show it if it was not visible.

setIsLoading

```
public void setIsLoading(java.lang.String msg)
```

Clear this panel, put a label indicating that some action is taking place in the panel and show it if it was not visible.

Parameters:

`msg` - The message to show. A default message is used when null. This message indicates that a loading action is taking place.

(continued from last page)

show

```
public void show()
```

Put the [GuiState.loadVerticalPanel](#) in this panel and show/center it. Also removes the loading class and all related loading stuff from the panel.

nl.tue.fingerpaint.client.gui.panels

Class LoadVerticalPanel

```

java.lang.Object
├── com.google.gwt.user.client.ui.UIObject
│   ├── com.google.gwt.user.client.ui.Widget
│   │   ├── com.google.gwt.user.client.ui.Panel
│   │   │   ├── com.google.gwt.user.client.ui.ComplexPanel
│   │   │   │   ├── com.google.gwt.user.client.ui.CellPanel
│   │   │   │   │   └── com.google.gwt.user.client.ui.VerticalPanel
│   │   │   │   │       └── nl.tue.fingerpaint.client.gui.panels.LoadVerticalPanel

```

All Implemented Interfaces:

com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget,
 com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener,
 com.google.gwt.user.client.ui.HasWidgets.ForIsWidget, com.google.gwt.user.client.ui.IndexedPanel.ForIsWidget,
 com.google.gwt.user.client.ui.InsertPanel.ForIsWidget, com.google.gwt.user.client.ui.HasAlignment

public class **LoadVerticalPanel**
 extends com.google.gwt.user.client.ui.VerticalPanel

Panel used in the loading popup

Fields inherited from class com.google.gwt.user.client.ui.UIObject

DEBUG_ID_PREFIX

Fields inherited from interface com.google.gwt.user.client.ui.HasHorizontalAlignment

ALIGN_CENTER, ALIGN_DEFAULT, ALIGN_JUSTIFY, ALIGN_LEFT, ALIGN_LOCALE_END,
 ALIGN_LOCALE_START, ALIGN_RIGHT

Fields inherited from interface com.google.gwt.user.client.ui.HasVerticalAlignment

ALIGN_BOTTOM, ALIGN_MIDDLE, ALIGN_TOP

Constructor Summary

public [LoadVerticalPanel](#)()

Method Summary

void [addList](#)(com.google.gwt.user.cellview.client.CellList list)
 Adds a "no saved files found" to the loadVerticalPanel if the parameter list is empty,
 removes this label if not

Methods inherited from class com.google.gwt.user.client.ui.VerticalPanel

add, getHorizontalAlignment, getVerticalAlignment, insert, insert, onEnsureDebugId,
 remove, setHorizontalAlignment, setVerticalAlignment

Methods inherited from class com.google.gwt.user.client.ui.CellPanel

getBody, getSpacing, getTable, setBorderWidth, setCellHeight, setCellHeight, setCellHorizontalAlignment, setCellHorizontalAlignment, setCellHorizontalAlignment, setCellVerticalAlignment, setCellVerticalAlignment, setCellVerticalAlignment, setCellWidth, setCellWidth, setSpacing

Methods inherited from class com.google.gwt.user.client.ui.ComplexPanel

add, adjustIndex, checkIndexBoundsForAccess, checkIndexBoundsForInsertion, getChildren, getWidget, getWidgetCount, getWidgetIndex, getWidgetIndex, insert, insert, iterator, remove, remove

Methods inherited from class com.google.gwt.user.client.ui.Panel

add, add, adopt, adopt, clear, disown, doAttachChildren, doDetachChildren, orphan, remove, remove

Methods inherited from class com.google.gwt.user.client.ui.Widget

addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget, asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren, doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached, isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload, removeFromParent, setLayoutData, sinkEvents

Methods inherited from class com.google.gwt.user.client.ui.UIObject

addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId, getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth, getStyleElement, getStyleName, getStyleName, getStylePrimaryName, getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId, removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement, setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName, setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString, unsinkEvents

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface com.google.gwt.user.client.ui.HasVisibility

isVisible, setVisible

Methods inherited from interface com.google.gwt.user.client.EventListener

onBrowserEvent

Methods inherited from interface com.google.gwt.event.logical.shared.HasAttachHandlers

addAttachHandler, isAttached

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

```
fireEvent
```

Methods inherited from interface `com.google.gwt.user.client.ui.IsWidget`

```
asWidget
```

Methods inherited from interface `com.google.gwt.user.client.ui.HasWidgets.ForIsWidget`

```
add, remove
```

Methods inherited from interface `com.google.gwt.user.client.ui.HasWidgets`

```
add, clear, iterator, remove
```

Methods inherited from interface `java.lang.Iterable`

```
iterator
```

Methods inherited from interface `com.google.gwt.user.client.ui.IndexedPanel.ForIsWidget`

```
getWidgetIndex
```

Methods inherited from interface `com.google.gwt.user.client.ui.IndexedPanel`

```
getWidget, getWidgetCount, getWidgetIndex, remove
```

Methods inherited from interface `com.google.gwt.user.client.ui.HasHorizontalAlignment`

```
getHorizontalAlignment, setHorizontalAlignment
```

Methods inherited from interface `com.google.gwt.user.client.ui.HasVerticalAlignment`

```
getVerticalAlignment, setVerticalAlignment
```

Methods inherited from interface `com.google.gwt.user.client.ui.InsertPanel.ForIsWidget`

```
add, insert
```

Methods inherited from interface `com.google.gwt.user.client.ui.InsertPanel`

```
add, insert
```

Methods inherited from interface `com.google.gwt.user.client.ui.IndexedPanel`

```
getWidget, getWidgetCount, getWidgetIndex, remove
```

Methods inherited from interface `com.google.gwt.user.client.ui.IndexedPanel.ForIsWidget`

```
getWidgetIndex
```

Methods inherited from interface `com.google.gwt.user.client.ui.IndexedPanel`

```
getWidget, getWidgetCount, getWidgetIndex, remove
```

(continued from last page)

Constructors

LoadVerticalPanel

```
public LoadVerticalPanel()
```

Methods

addList

```
public void addList(com.google.gwt.user.cellview.client.CellList list)
```

Adds a "no saved files found" to the loadVerticalPanel if the parameter list is empty, removes this label if not

Parameters:

`list` - the list that should be checked to see if the noFilesFoundLabel should be added

Throws:

`NullPointerException` - if `list == null`

nl.tue.fingerpaint.client.gui.panels

Class NotificationPopupPanel

java.lang.Object

└─nl.tue.fingerpaint.client.gui.panels.NotificationPopupPanel

public class **NotificationPopupPanel**
extends java.lang.Object

A panel to show a notification message.

Field Summary

| | |
|---------------------|---|
| public static final | ANIMATION_DURATION Duration of animation to show/hide a notification. Value: 200 |
| protected | messageLabel Label that contains the message to show. |
| public static final | NOTIFICATION_CLASS Classname that is always added to this panel. Value: popupPanelNotification |
| public static final | NOTIFICATION_CLASS_ERROR Classname that is added to this panel when it holds an error message. Value: popupPanelNotificationError |
| public static final | NOTIFICATION_CLASS_INFO Classname that is added to this panel when it holds an info message. Value: popupPanelNotificationInfo |
| public static final | NOTIFICATION_CLASS_SUCCESS Classname that is added to this panel when it holds a message to indicate success. Value: popupPanelNotificationSuccess |
| protected | panel Actual notification panel. |
| protected | timeOut How long the notification panel will be visible. |
| public static final | TYPE_ERROR Identifier that can be used in NotificationPopupPanel(String, int) to construct a notification with an error message. Value: 1 |
| public static final | TYPE_INFO Identifier that can be used in NotificationPopupPanel(String, int) to construct a notification with an information message. Value: 0 |

| | |
|---------------------|--|
| public static final | TYPE_SUCCESS Identifier that can be used in NotificationPopupPanel(String, int) to construct a notification with a message indicating success. Value: 2 |
|---------------------|--|

Constructor Summary

| | |
|--------|--|
| public | NotificationPopupPanel (java.lang.String message) Creates a NotificationPopupPanel with the message message. |
| public | NotificationPopupPanel (java.lang.String message, int msgType) Creates a NotificationPopupPanel with the message message. |

Method Summary

| | |
|------|--|
| void | hide () Hides this NotificationPanel. |
| void | setTopLeft () Put the pop up panel at the top left of the screen. |
| void | show (int timeOut) Shows this NotificationPanel for the timeout milliseconds. |

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

ANIMATION_DURATION

public static final int **ANIMATION_DURATION**

Duration of animation to show/hide a notification.
Constant value: **200**

NOTIFICATION_CLASS

public static final java.lang.String **NOTIFICATION_CLASS**

Classname that is always added to this panel.
Constant value: **popupPanelNotification**

NOTIFICATION_CLASS_INFO

public static final java.lang.String **NOTIFICATION_CLASS_INFO**

Classname that is added to this panel when it holds an info message.
Constant value: **popupPanelNotificationInfo**

NOTIFICATION_CLASS_ERROR

public static final java.lang.String **NOTIFICATION_CLASS_ERROR**

(continued from last page)

Classname that is added to this panel when it holds an error message.
Constant value: **popupPanelNotificationError**

NOTIFICATION_CLASS_SUCCESS

```
public static final java.lang.String NOTIFICATION_CLASS_SUCCESS
```

Classname that is added to this panel when it holds a message to indicate success.
Constant value: **popupPanelNotificationSuccess**

TYPE_INFO

```
public static final int TYPE_INFO
```

Identifier that can be used in [NotificationPopupPanel\(String, int\)](#) to construct a notification with an information message.
Constant value: **0**

TYPE_ERROR

```
public static final int TYPE_ERROR
```

Identifier that can be used in [NotificationPopupPanel\(String, int\)](#) to construct a notification with an error message.
Constant value: **1**

TYPE_SUCCESS

```
public static final int TYPE_SUCCESS
```

Identifier that can be used in [NotificationPopupPanel\(String, int\)](#) to construct a notification with a message indicating success.
Constant value: **2**

timeOut

```
protected int timeOut
```

How long the notification panel will be visible.

messageLabel

```
protected com.google.gwt.user.client.ui.Label messageLabel
```

Label that contains the message to show.

panel

```
protected com.google.gwt.user.client.ui.PopupPanel panel
```

Actual notification panel.

Constructors

NotificationPopupPanel

```
public NotificationPopupPanel(java.lang.String message)
```

Creates a [NotificationPopupPanel](#) with the message message.

(continued from last page)

Parameters:

message - The message to show in the notification.

NotificationPopupPanel

```
public NotificationPopupPanel( java.lang.String message,  
                               int msgType)
```

Creates a [NotificationPopupPanel](#) with the message message.

Parameters:

message - The message to show in the notification.

msgType - The type of the message. Should be either [TYPE_INFO](#), [TYPE_ERROR](#) or [TYPE_SUCCESS](#). When not one of these three, [TYPE_SUCCESS](#) is used.

Methods

setTopLeft

```
public void setTopLeft()
```

Put the pop up panel at the top left of the screen. If it was not visible, show it.

hide

```
public void hide()
```

Hides this NotificationPanel.

show

```
public void show(int timeOut)
```

Shows this NotificationPanel for the timeout milliseconds.

Parameters:

timeOut - The amount of time, in milliseconds, this panel is shown. When less than 0, the panel will be shown indefinitely. (That is, until it is hidden manually.) When exactly 0, the panel will not be shown.

nl.tue.fingerpaint.client.gui.panels

Class OverwriteSavePopupPanel

```

java.lang.Object
├── com.google.gwt.user.client.ui.UIObject
│   ├── com.google.gwt.user.client.ui.Widget
│   │   ├── com.google.gwt.user.client.ui.Panel
│   │   │   ├── com.google.gwt.user.client.ui.SimplePanel
│   │   │   │   ├── com.google.gwt.user.client.ui.PopupPanel
│   │   │   │       └── nl.tue.fingerpaint.client.gui.panels.OverwriteSavePopupPanel

```

All Implemented Interfaces:

com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget,
 com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener,
 com.google.gwt.user.client.ui.HasWidgets.ForIsWidget, com.google.gwt.user.client.ui.HasOneWidget,
 com.google.gwt.event.logical.shared.HasCloseHandlers, com.google.gwt.user.client.ui.HasAnimation,
 com.google.gwt.user.client.EventPreview, com.google.gwt.user.client.ui.SourcesPopupEvents

public class **OverwriteSavePopupPanel**
 extends com.google.gwt.user.client.ui.PopupPanel

PopupPanel that can be used to let a user indicate he/she wants to overwrite an already existing item.

See Also:

[OverwriteSaveButton](#)

Fields inherited from class com.google.gwt.user.client.ui.UIObject

DEBUG_ID_PREFIX

Constructor Summary

| | |
|--------|--|
| public | OverwriteSavePopupPanel() Construct a new OverwriteSavePopupPanel that can be used to let a user overwrite an already saved item. |
|--------|--|

Methods inherited from class com.google.gwt.user.client.ui.PopupPanel

addAutoHidePartner, addCloseHandler, addPopupListener, center, getContainerElement, getGlassElement, getGlassStyleName, getOffsetHeight, getOffsetWidth, getPopupLeft, getPopupTop, getStyleElement, getTitle, hide, hide, isAnimationEnabled, isAutoHideEnabled, isAutoHideOnHistoryEventsEnabled, isGlassEnabled, isModal, isPreviewingAllNativeEvents, isShowing, isVisible, onEventPreview, onKeyDownPreview, onKeyPressPreview, onKeyUpPreview, onPreviewNativeEvent, onUnload, removeAutoHidePartner, removePopupListener, setAnimationEnabled, setAutoHideEnabled, setAutoHideOnHistoryEventsEnabled, setGlassEnabled, setGlassStyleName, setHeight, setModal, setPopupPosition, setPopupPositionAndShow, setPreviewingAllNativeEvents, setTitle, setVisible, setWidget, setWidth, show, showRelativeTo

Methods inherited from class com.google.gwt.user.client.ui.SimplePanel

add, getContainerElement, getWidget, iterator, remove, setWidget, setWidget

Methods inherited from class com.google.gwt.user.client.ui.Panel

add, add, adopt, adopt, clear, disown, doAttachChildren, doDetachChildren, orphan, remove, remove

Methods inherited from class com.google.gwt.user.client.ui.Widget

addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget, asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren, doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached, isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload, removeFromParent, setLayoutData, sinkEvents

Methods inherited from class com.google.gwt.user.client.ui.UIObject

addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId, getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth, getStyleElement, getStyleName, getStyleName, getStylePrimaryName, getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId, removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement, setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName, setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString, unsinkEvents

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface com.google.gwt.user.client.ui.HasVisibility

isVisible, setVisible

Methods inherited from interface com.google.gwt.user.client.EventListener

onBrowserEvent

Methods inherited from interface com.google.gwt.event.logical.shared.HasAttachHandlers

addAttachHandler, isAttached

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.IsWidget

asWidget

Methods inherited from interface com.google.gwt.user.client.ui.HasWidgets.ForIsWidget

add, remove

Methods inherited from interface com.google.gwt.user.client.ui.HasWidgets

add, clear, iterator, remove

Methods inherited from interface `java.lang.Iterable``iterator`**Methods inherited from interface** `com.google.gwt.user.client.ui.HasOneWidget``getWidget, setWidget`**Methods inherited from interface** `com.google.gwt.user.client.ui.AcceptsOneWidget``setWidget`**Methods inherited from interface** `com.google.gwt.user.client.ui.SourcesPopupEvents``addPopupListener, removePopupListener`**Methods inherited from interface** `com.google.gwt.user.client.EventPreview``onEventPreview`**Methods inherited from interface** `com.google.gwt.user.client.ui.HasAnimation``isAnimationEnabled, setAnimationEnabled`**Methods inherited from interface** `com.google.gwt.event.logical.shared.HasCloseHandlers``addCloseHandler`**Methods inherited from interface** `com.google.gwt.event.shared.HasHandlers``fireEvent`

Constructors

OverwriteSavePopupPanel

```
public OverwriteSavePopupPanel()
```

Construct a new [OverwriteSavePopupPanel](#) that can be used to let a user overwrite an already saved item.

See Also:

[OverwriteSavePopupPanel](#)

nl.tue.fingerpaint.client.gui.panels

Class RemoveResultsPopupPanel



All Implemented Interfaces:
com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget,
com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener,
com.google.gwt.user.client.ui.HasWidgets.ForIsWidget, com.google.gwt.user.client.ui.HasOneWidget,
com.google.gwt.event.logical.shared.HasCloseHandlers, com.google.gwt.user.client.ui.HasAnimation,
com.google.gwt.user.client.EventPreview, com.google.gwt.user.client.ui.SourcesPopupEvents

public class **RemoveResultsPopupPanel**
extends com.google.gwt.user.client.ui.PopupPanel

PopupPanel that can be used to let a user remove saved results from the local storage.

| Fields inherited from class com.google.gwt.user.client.ui.UIObject |
|--|
| DEBUG_ID_PREFIX |

| Constructor Summary | |
|---------------------|--|
| public | RemoveResultsPopupPanel () Construct a new RemoveResultsPopupPanel that can be used to let a user remove saved results. |

| Methods inherited from class com.google.gwt.user.client.ui.PopupPanel |
|--|
| addAutoHidePartner, addCloseHandler, addPopupListener, center, getContainerElement, getGlassElement, getGlassStyleName, getOffsetHeight, getOffsetWidth, getPopupLeft, getPopupTop, getStyleElement, getTitle, hide, hide, isAnimationEnabled, isAutoHideEnabled, isAutoHideOnHistoryEventsEnabled, isGlassEnabled, isModal, isPreviewingAllNativeEvents, isShowing, isVisible, onEventPreview, onKeyDownPreview, onKeyPressPreview, onKeyUpPreview, onPreviewNativeEvent, onUnload, removeAutoHidePartner, removePopupListener, setAnimationEnabled, setAutoHideEnabled, setAutoHideOnHistoryEventsEnabled, setGlassEnabled, setGlassStyleName, setHeight, setModal, setPopupPosition, setPopupPositionAndShow, setPreviewingAllNativeEvents, setTitle, setVisible, setWidget, setWidth, show, showRelativeTo |

| Methods inherited from class com.google.gwt.user.client.ui.SimplePanel |
|---|
| add, getContainerElement, getWidget, iterator, remove, setWidget, setWidget |

| Methods inherited from class com.google.gwt.user.client.ui.Panel |
|--|
|--|

add, add, adopt, adopt, clear, disown, doAttachChildren, doDetachChildren, orphan, remove, remove

Methods inherited from class com.google.gwt.user.client.ui.Widget

addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget, asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren, doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached, isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload, removeFromParent, setLayoutData, sinkEvents

Methods inherited from class com.google.gwt.user.client.ui.UIObject

addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId, getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth, getStyleElement, getStyleName, getStyleName, getStylePrimaryName, getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId, removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement, setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName, setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString, unsinkEvents

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface com.google.gwt.user.client.ui.HasVisibility

isVisible, setVisible

Methods inherited from interface com.google.gwt.user.client.EventListener

onBrowserEvent

Methods inherited from interface com.google.gwt.event.logical.shared.HasAttachHandlers

addAttachHandler, isAttached

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.IsWidget

asWidget

Methods inherited from interface com.google.gwt.user.client.ui.HasWidgets.ForIsWidget

add, remove

Methods inherited from interface com.google.gwt.user.client.ui.HasWidgets

add, clear, iterator, remove

Methods inherited from interface java.lang.Iterable

iterator

Methods inherited from interface `com.google.gwt.user.client.ui.HasOneWidget`

getWidget, setWidget

Methods inherited from interface `com.google.gwt.user.client.ui.AcceptsOneWidget`

setWidget

Methods inherited from interface `com.google.gwt.user.client.ui.SourcesPopupEvents`

addPopupListener, removePopupListener

Methods inherited from interface `com.google.gwt.user.client.EventPreview`

onEventPreview

Methods inherited from interface `com.google.gwt.user.client.ui.HasAnimation`

isAnimationEnabled, setAnimationEnabled

Methods inherited from interface `com.google.gwt.event.logical.shared.HasCloseHandlers`

addCloseHandler

Methods inherited from interface `com.google.gwt.event.shared.HasHandlers`

fireEvent

Constructors

RemoveResultsPopupPanel

```
public RemoveResultsPopupPanel()
```

Construct a new [RemoveResultsPopupPanel](#) that can be used to let a user remove saved results.

See Also:

[RemoveResultsPopupPanel](#)

nl.tue.fingerpaint.client.gui.panels

Class RemoveResultsVerticalPanel

```

java.lang.Object
├── com.google.gwt.user.client.ui.UIObject
│   ├── com.google.gwt.user.client.ui.Widget
│   │   ├── com.google.gwt.user.client.ui.Panel
│   │   │   ├── com.google.gwt.user.client.ui.ComplexPanel
│   │   │   │   ├── com.google.gwt.user.client.ui.CellPanel
│   │   │   │   │   └── com.google.gwt.user.client.ui.VerticalPanel
│   │   │   │   │       └── nl.tue.fingerpaint.client.gui.panels.RemoveResultsVerticalPanel

```

All Implemented Interfaces:

com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget,
 com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener,
 com.google.gwt.user.client.ui.HasWidgets.ForIsWidget, com.google.gwt.user.client.ui.IndexedPanel.ForIsWidget,
 com.google.gwt.user.client.ui.InsertPanel.ForIsWidget, com.google.gwt.user.client.ui.HasAlignment

public class **RemoveResultsVerticalPanel**
 extends com.google.gwt.user.client.ui.VerticalPanel

Panel used in the loading popup

Fields inherited from class com.google.gwt.user.client.ui.UIObject

DEBUG_ID_PREFIX

Fields inherited from interface com.google.gwt.user.client.ui.HasHorizontalAlignment

ALIGN_CENTER, ALIGN_DEFAULT, ALIGN_JUSTIFY, ALIGN_LEFT, ALIGN_LOCALE_END,
 ALIGN_LOCALE_START, ALIGN_RIGHT

Fields inherited from interface com.google.gwt.user.client.ui.HasVerticalAlignment

ALIGN_BOTTOM, ALIGN_MIDDLE, ALIGN_TOP

Constructor Summary

public [RemoveResultsVerticalPanel\(\)](#)

Method Summary

void [addList](#)(com.google.gwt.user.client.ui.FlexTable list)
 Adds the parameter list to this panel, adds a noFilesFoundLabel instead if the list is empty

Methods inherited from class com.google.gwt.user.client.ui.VerticalPanel

add, getHorizontalAlignment, getVerticalAlignment, insert, insert, onEnsureDebugId,
 remove, setHorizontalAlignment, setVerticalAlignment

Methods inherited from class com.google.gwt.user.client.ui.CellPanel

getBody, getSpacing, getTable, setBorderWidth, setCellHeight, setCellHeight, setCellHorizontalAlignment, setCellHorizontalAlignment, setCellHorizontalAlignment, setCellVerticalAlignment, setCellVerticalAlignment, setCellVerticalAlignment, setCellWidth, setCellWidth, setSpacing

Methods inherited from class com.google.gwt.user.client.ui.ComplexPanel

add, adjustIndex, checkIndexBoundsForAccess, checkIndexBoundsForInsertion, getChildren, getWidget, getWidgetCount, getWidgetIndex, getWidgetIndex, insert, insert, iterator, remove, remove

Methods inherited from class com.google.gwt.user.client.ui.Panel

add, add, adopt, adopt, clear, disown, doAttachChildren, doDetachChildren, orphan, remove, remove

Methods inherited from class com.google.gwt.user.client.ui.Widget

addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget, asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren, doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached, isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload, removeFromParent, setLayoutData, sinkEvents

Methods inherited from class com.google.gwt.user.client.ui.UIObject

addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId, getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth, getStyleElement, getStyleName, getStyleName, getStylePrimaryName, getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId, removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement, setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName, setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName, setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString, unsinkEvents

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface com.google.gwt.user.client.ui.HasVisibility

isVisible, setVisible

Methods inherited from interface com.google.gwt.user.client.EventListener

onBrowserEvent

Methods inherited from interface com.google.gwt.event.logical.shared.HasAttachHandlers

addAttachHandler, isAttached

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface `com.google.gwt.user.client.ui.IsWidget``asWidget`**Methods inherited from interface** `com.google.gwt.user.client.ui.HasWidgets.ForIsWidget``add, remove`**Methods inherited from interface** `com.google.gwt.user.client.ui.HasWidgets``add, clear, iterator, remove`**Methods inherited from interface** `java.lang.Iterable``iterator`**Methods inherited from interface** `com.google.gwt.user.client.ui.IndexedPanel.ForIsWidget``getWidgetIndex`**Methods inherited from interface** `com.google.gwt.user.client.ui.IndexedPanel``getWidget, getWidgetCount, getWidgetIndex, remove`**Methods inherited from interface** `com.google.gwt.user.client.ui.HasHorizontalAlignment``getHorizontalAlignment, setHorizontalAlignment`**Methods inherited from interface** `com.google.gwt.user.client.ui.HasVerticalAlignment``getVerticalAlignment, setVerticalAlignment`**Methods inherited from interface** `com.google.gwt.user.client.ui.InsertPanel.ForIsWidget``add, insert`**Methods inherited from interface** `com.google.gwt.user.client.ui.InsertPanel``add, insert`**Methods inherited from interface** `com.google.gwt.user.client.ui.IndexedPanel``getWidget, getWidgetCount, getWidgetIndex, remove`**Methods inherited from interface** `com.google.gwt.user.client.ui.IndexedPanel.ForIsWidget``getWidgetIndex`**Methods inherited from interface** `com.google.gwt.user.client.ui.IndexedPanel``getWidget, getWidgetCount, getWidgetIndex, remove`

Constructors

(continued from last page)

RemoveResultsVerticalPanel

```
public RemoveResultsVerticalPanel()
```

Methods

addList

```
public void addList(com.google.gwt.user.client.ui.FlexTable list)
```

Adds the parameter list to this panel, adds a noFilesFoundLabel instead if the list is empty

Parameters:

`list` - the list that should be checked to see if the noFilesFoundLabel should be added It is considered empty if only the head of the list (consisting of the labels) is present

Throws:

`NullPointerException` - if `list == null`

nl.tue.fingerpaint.client.gui.panels

Class SaveItemPopupPanel

```

java.lang.Object
├── com.google.gwt.user.client.ui.UIObject
│   ├── com.google.gwt.user.client.ui.Widget
│   │   ├── com.google.gwt.user.client.ui.Panel
│   │   │   ├── com.google.gwt.user.client.ui.SimplePanel
│   │   │   │   ├── com.google.gwt.user.client.ui.PopupPanel
│   │   │   │       └── nl.tue.fingerpaint.client.gui.panels.SaveItemPopupPanel

```

All Implemented Interfaces:

com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener, com.google.gwt.user.client.ui.HasWidgets.ForIsWidget, com.google.gwt.user.client.ui.HasOneWidget, com.google.gwt.event.logical.shared.HasCloseHandlers, com.google.gwt.user.client.ui.HasAnimation, com.google.gwt.user.client.EventPreview, com.google.gwt.user.client.ui.SourcesPopupEvents

```

public class SaveItemPopupPanel
extends com.google.gwt.user.client.ui.PopupPanel

```

PopupPanel that can be used to let a user input a name for an item to save. An item can be a distribution, protocol, ...

Fields inherited from class com.google.gwt.user.client.ui.UIObject

DEBUG_ID_PREFIX

Constructor Summary

| | |
|--------|---|
| public | SaveItemPopupPanel() Construct a new SaveItemPopupPanel that can be used to let a user save an item. |
|--------|---|

Methods inherited from class com.google.gwt.user.client.ui.PopupPanel

addAutoHidePartner, addCloseHandler, addPopupListener, center, getContainerElement, getGlassElement, getGlassStyleName, getOffsetHeight, getOffsetWidth, getPopupLeft, getPopupTop, getStyleElement, getTitle, hide, hide, isAnimationEnabled, isAutoHideEnabled, isAutoHideOnHistoryEventsEnabled, isGlassEnabled, isModal, isPreviewingAllNativeEvents, isShowing, isVisible, onEventPreview, onKeyDownPreview, onKeyPressPreview, onKeyUpPreview, onPreviewNativeEvent, onUnload, removeAutoHidePartner, removePopupListener, setAnimationEnabled, setAutoHideEnabled, setAutoHideOnHistoryEventsEnabled, setGlassEnabled, setGlassStyleName, setHeight, setModal, setPopupPosition, setPopupPositionAndShow, setPreviewingAllNativeEvents, setTitle, setVisible, setWidget, setWidth, show, showRelativeTo

Methods inherited from class com.google.gwt.user.client.ui.SimplePanel

add, getContainerElement, getWidget, iterator, remove, setWidget, setWidget

Methods inherited from class com.google.gwt.user.client.ui.Panel

add, add, adopt, adopt, clear, disown, doAttachChildren, doDetachChildren, orphan, remove, remove

Methods inherited from class com.google.gwt.user.client.ui.Widget

addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget, asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren, doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached, isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload, removeFromParent, setLayoutData, sinkEvents

Methods inherited from class com.google.gwt.user.client.ui.UIObject

addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId, getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth, getStyleElement, getStyleName, getStyleName, getStylePrimaryName, getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId, removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement, setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName, setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString, unsinkEvents

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface com.google.gwt.user.client.ui.HasVisibility

isVisible, setVisible

Methods inherited from interface com.google.gwt.user.client.EventListener

onBrowserEvent

Methods inherited from interface com.google.gwt.event.logical.shared.HasAttachHandlers

addAttachHandler, isAttached

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.IsWidget

asWidget

Methods inherited from interface com.google.gwt.user.client.ui.HasWidgets.ForIsWidget

add, remove

Methods inherited from interface com.google.gwt.user.client.ui.HasWidgets

add, clear, iterator, remove

Methods inherited from interface java.lang.Iterable

```
iterator
```

Methods inherited from interface `com.google.gwt.user.client.ui.HasOneWidget`

```
getWidget, setWidget
```

Methods inherited from interface `com.google.gwt.user.client.ui.AcceptsOneWidget`

```
setWidget
```

Methods inherited from interface `com.google.gwt.user.client.ui.SourcesPopupEvents`

```
addPopupListener, removePopupListener
```

Methods inherited from interface `com.google.gwt.user.client.EventPreview`

```
onEventPreview
```

Methods inherited from interface `com.google.gwt.user.client.ui.HasAnimation`

```
isAnimationEnabled, setAnimationEnabled
```

Methods inherited from interface `com.google.gwt.event.logical.shared.HasCloseHandlers`

```
addCloseHandler
```

Methods inherited from interface `com.google.gwt.event.shared.HasHandlers`

```
fireEvent
```

Constructors

SaveItemPopupPanel

```
public SaveItemPopupPanel()
```

Construct a new [SaveItemPopupPanel](#) that can be used to let a user save an item.

See Also:

[SaveItemPopupPanel](#)

nl.tue.fingerpaint.client.gui.panels

Class ViewSingleGraphPopupPanel

```

java.lang.Object
├── com.google.gwt.user.client.ui.UIObject
│   ├── com.google.gwt.user.client.ui.Widget
│   │   ├── com.google.gwt.user.client.ui.Panel
│   │   │   ├── com.google.gwt.user.client.ui.SimplePanel
│   │   │   │   ├── com.google.gwt.user.client.ui.PopupPanel
│   │   │   │       └── nl.tue.fingerpaint.client.gui.panels.ViewSingleGraphPopupPanel

```

All Implemented Interfaces:

com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget,
 com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener,
 com.google.gwt.user.client.ui.HasWidgets.ForIsWidget, com.google.gwt.user.client.ui.HasOneWidget,
 com.google.gwt.event.logical.shared.HasCloseHandlers, com.google.gwt.user.client.ui.HasAnimation,
 com.google.gwt.user.client.EventPreview, com.google.gwt.user.client.ui.SourcesPopupEvents

```

public class ViewSingleGraphPopupPanel
    extends com.google.gwt.user.client.ui.PopupPanel

```

PopupPanel that can be used to view a graph with the performance of a result.

Fields inherited from class com.google.gwt.user.client.ui.UIObject

DEBUG_ID_PREFIX

Constructor Summary

public

[ViewSingleGraphPopupPanel\(\)](#)

Construct a new [ViewSingleGraphPopupPanel](#) that can be used to let a user view a graph with the performance of a result.

Methods inherited from class com.google.gwt.user.client.ui.PopupPanel

addAutoHidePartner, addCloseHandler, addPopupListener, center, getContainerElement, getGlassElement, getGlassStyleName, getOffsetHeight, getOffsetWidth, getPopupLeft, getPopupTop, getStyleElement, getTitle, hide, hide, isAnimationEnabled, isAutoHideEnabled, isAutoHideOnHistoryEventsEnabled, isGlassEnabled, isModal, isPreviewingAllNativeEvents, isShowing, isVisible, onEventPreview, onKeyDownPreview, onKeyPressPreview, onKeyUpPreview, onPreviewNativeEvent, onUnload, removeAutoHidePartner, removePopupListener, setAnimationEnabled, setAutoHideEnabled, setAutoHideOnHistoryEventsEnabled, setGlassEnabled, setGlassStyleName, setHeight, setModal, setPopupPosition, setPopupPositionAndShow, setPreviewingAllNativeEvents, setTitle, setVisible, setWidget, setWidth, show, showRelativeTo

Methods inherited from class com.google.gwt.user.client.ui.SimplePanel

add, getContainerElement, getWidget, iterator, remove, setWidget, setWidget

Methods inherited from class com.google.gwt.user.client.ui.Panel

add, add, adopt, adopt, clear, disown, doAttachChildren, doDetachChildren, orphan, remove, remove

Methods inherited from class com.google.gwt.user.client.ui.Widget

addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget, asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren, doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached, isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload, removeFromParent, setLayoutData, sinkEvents

Methods inherited from class com.google.gwt.user.client.ui.UIObject

addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId, getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth, getStyleElement, getStyleName, getStyleName, getStylePrimaryName, getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId, removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement, setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName, setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString, unsinkEvents

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface com.google.gwt.user.client.ui.HasVisibility

isVisible, setVisible

Methods inherited from interface com.google.gwt.user.client.EventListener

onBrowserEvent

Methods inherited from interface com.google.gwt.event.logical.shared.HasAttachHandlers

addAttachHandler, isAttached

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.IsWidget

asWidget

Methods inherited from interface com.google.gwt.user.client.ui.HasWidgets.ForIsWidget

add, remove

Methods inherited from interface com.google.gwt.user.client.ui.HasWidgets

add, clear, iterator, remove

Methods inherited from interface java.lang.Iterable

iterator

Methods inherited from interface `com.google.gwt.user.client.ui.HasOneWidget`

getWidget, setWidget

Methods inherited from interface `com.google.gwt.user.client.ui.AcceptsOneWidget`

setWidget

Methods inherited from interface `com.google.gwt.user.client.ui.SourcesPopupEvents`

addPopupListener, removePopupListener

Methods inherited from interface `com.google.gwt.user.client.EventPreview`

onEventPreview

Methods inherited from interface `com.google.gwt.user.client.ui.HasAnimation`

isAnimationEnabled, setAnimationEnabled

Methods inherited from interface `com.google.gwt.event.logical.shared.HasCloseHandlers`

addCloseHandler

Methods inherited from interface `com.google.gwt.event.shared.HasHandlers`

fireEvent

Constructors

ViewSingleGraphPopupPanel

```
public ViewSingleGraphPopupPanel()
```

Construct a new [ViewSingleGraphPopupPanel](#) that can be used to let a user view a graph with the performance of a result.

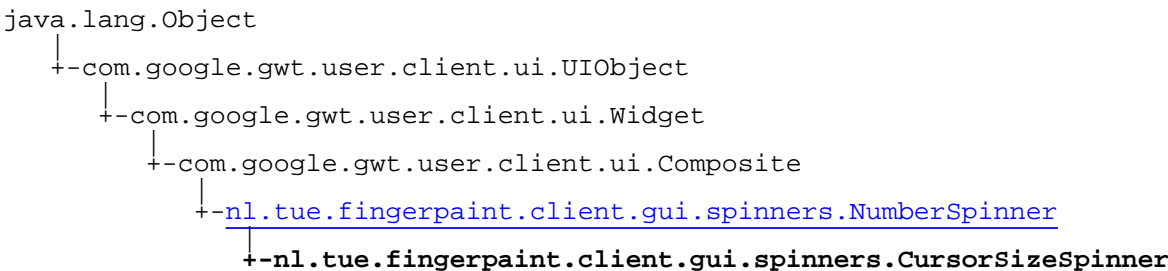
See Also:

[ViewSingleGraphPopupPanel](#)

Package

nl.tue.fingerpaint.client.gui.spinners

nl.tue.fingerpaint.client.gui.spinners
Class CursorSizeSpinner



All Implemented Interfaces:
[NumberSpinnerListener](#), com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener, com.google.gwt.user.client.ui.IsRenderable, com.google.gwt.event.dom.client.MouseOutHandler, com.google.gwt.event.dom.client.MouseMoveHandler, com.google.gwt.event.dom.client.MouseDownHandler, com.google.gwt.event.dom.client.KeyUpHandler, com.google.gwt.event.dom.client.ChangeHandler

public class **CursorSizeSpinner**
extends [NumberSpinner](#)
implements com.google.gwt.event.dom.client.ChangeHandler,
com.google.gwt.event.dom.client.KeyUpHandler, com.google.gwt.event.dom.client.MouseDownHandler,
com.google.gwt.event.dom.client.MouseMoveHandler,
com.google.gwt.event.dom.client.MouseOutHandler, com.google.gwt.user.client.ui.IsRenderable,
com.google.gwt.user.client.EventListener, com.google.gwt.event.logical.shared.HasAttachHandlers,
com.google.gwt.user.client.ui.IsWidget, com.google.gwt.user.client.ui.HasVisibility,
[NumberSpinnerListener](#)

Numberspinner that can be used to change the size of the drawing tool.

| Field Summary | |
|--|---|
| protected | as Reference to the model. |
| protected static final | DEFAULT_MAX The maximum value of this spinner. Value: 50.0 |
| protected static final | DEFAULT_MIN The minimum value of this spinner. Value: 1.0 |
| protected static final | DEFAULT_RATE The rate of this spinner. Value: 1.0 |
| protected static final | DEFAULT_VALUE The default value of this spinner. Value: 3.0 |
| Fields inherited from class com.google.gwt.user.client.ui.UIObject | |

DEBUG_ID_PREFIX

Constructor Summary

public

[CursorSizeSpinner](#)([ApplicationState](#) appState)

Creates a new numberspinner that can be used to change the size of the drawing tool.

Method Summary

void

[onValueChange](#)(double value, double roundedValue)

Sets the size of the drawing tool to value.

Methods inherited from class [nl.tue.fingerpaint.client.gui.spinners.NumberSpinner](#)

[getRoundedValue](#), [getValue](#), [onChange](#), [onKeyUp](#), [onMouseDown](#), [onMouseMove](#), [onMouseOut](#), [setRate](#), [setSpinnerListener](#), [setValue](#), [setValue](#)

Methods inherited from class [com.google.gwt.user.client.ui.Composite](#)

[claimElement](#), [getWidget](#), [initializeClaimedElement](#), [initWidget](#), [isAttached](#), [onAttach](#), [onBrowserEvent](#), [onDetach](#), [render](#), [render](#), [resolvePotentialElement](#), [setWidget](#)

Methods inherited from class [com.google.gwt.user.client.ui.Widget](#)

[addAttachHandler](#), [addBitlessDomHandler](#), [addDomHandler](#), [addHandler](#), [asWidget](#), [asWidgetOrNull](#), [createHandlerManager](#), [delegateEvent](#), [doAttachChildren](#), [doDetachChildren](#), [fireEvent](#), [getHandlerCount](#), [getLayoutData](#), [getParent](#), [isAttached](#), [isOrWasAttached](#), [onAttach](#), [onBrowserEvent](#), [onDetach](#), [onLoad](#), [onUnload](#), [removeFromParent](#), [setLayoutData](#), [sinkEvents](#)

Methods inherited from class [com.google.gwt.user.client.ui.UIObject](#)

[addStyleDependentName](#), [addStyleName](#), [ensureDebugId](#), [ensureDebugId](#), [ensureDebugId](#), [getAbsoluteLeft](#), [getAbsoluteTop](#), [getElement](#), [getOffsetHeight](#), [getOffsetWidth](#), [getStyleElement](#), [getStyleName](#), [getStyleName](#), [getStylePrimaryName](#), [getStylePrimaryName](#), [getTitle](#), [isVisible](#), [isVisible](#), [onEnsureDebugId](#), [removeStyleDependentName](#), [removeStyleName](#), [resolvePotentialElement](#), [setElement](#), [setElement](#), [setHeight](#), [setPixelSize](#), [setSize](#), [setStyleDependentName](#), [setStyleName](#), [setStyleName](#), [setStyleName](#), [setStylePrimaryName](#), [setStylePrimaryName](#), [setStylePrimaryName](#), [setTitle](#), [setVisible](#), [setVisible](#), [setWidth](#), [sinkBitlessEvent](#), [sinkEvents](#), [toString](#), [unsinkEvents](#)

Methods inherited from class [java.lang.Object](#)

[clone](#), [equals](#), [finalize](#), [getClass](#), [hashCode](#), [notify](#), [notifyAll](#), [toString](#), [wait](#), [wait](#), [wait](#)

Methods inherited from interface [com.google.gwt.user.client.ui.HasVisibility](#)

[isVisible](#), [setVisible](#)

Methods inherited from interface [com.google.gwt.user.client.EventListener](#)

[onBrowserEvent](#)

Methods inherited from interface [com.google.gwt.event.logical.shared.HasAttachHandlers](#)

| |
|---|
| addAttachHandler, isAttached |
| Methods inherited from interface com.google.gwt.event.shared.HasHandlers |
| fireEvent |
| Methods inherited from interface com.google.gwt.user.client.ui.IsWidget |
| asWidget |
| Methods inherited from interface com.google.gwt.user.client.ui.IsRenderable |
| claimElement, initializeClaimedElement, render, render |
| Methods inherited from interface com.google.gwt.event.dom.client.ChangeHandler |
| onChange |
| Methods inherited from interface com.google.gwt.event.dom.client.KeyUpHandler |
| onKeyUp |
| Methods inherited from interface com.google.gwt.event.dom.client.MouseDownHandler |
| onMouseDown |
| Methods inherited from interface com.google.gwt.event.dom.client.MouseMoveHandler |
| onMouseMove |
| Methods inherited from interface com.google.gwt.event.dom.client.MouseOutHandler |
| onMouseOut |
| Methods inherited from interface nl.tue.fingerpaint.client.gui.spinners.NumberSpinnerListener |
| onValueChange |

Fields

DEFAULT_VALUE

protected static final double **DEFAULT_VALUE**

The default value of this spinner.
Constant value: **3.0**

DEFAULT_RATE

protected static final double **DEFAULT_RATE**

The rate of this spinner.
Constant value: **1.0**

(continued from last page)

DEFAULT_MIN

```
protected static final double DEFAULT_MIN
```

The minimum value of this spinner.
Constant value: **1.0**

DEFAULT_MAX

```
protected static final double DEFAULT_MAX
```

The maximum value of this spinner.
Constant value: **50.0**

as

```
protected nl.tue.fingerpaint.client.model.ApplicationState as
```

Reference to the model. Used to change the size of the drawing tool.

Constructors

CursorSizeSpinner

```
public CursorSizeSpinner(ApplicationState appState)
```

Creates a new numberspinner that can be used to change the size of the drawing tool.

Parameters:

appState - Reference to the model, used to change the drawing tool size.

Methods

onValueChange

```
public void onValueChange(double value,  
    double roundedValue)
```

Sets the size of the drawing tool to value.

Parameters:

value - The actual, unrounded, value of the spinner. Not used.
roundedValue - The desired value that should be set.

nl.tue.fingerpaint.client.gui.spinners

Class NrStepsSpinner

```

java.lang.Object
├── com.google.gwt.user.client.ui.UIObject
│   ├── com.google.gwt.user.client.ui.Widget
│   │   ├── com.google.gwt.user.client.ui.Composite
│   │   │   ├── nl.tue.fingerpaint.client.gui.spinners.NumberSpinner
│   │   │   │   └── nl.tue.fingerpaint.client.gui.spinners.NrStepsSpinner

```

All Implemented Interfaces:

[NumberSpinnerListener](#), com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener, com.google.gwt.user.client.ui.IsRenderable, com.google.gwt.event.dom.client.MouseOutHandler, com.google.gwt.event.dom.client.MouseMoveHandler, com.google.gwt.event.dom.client.MouseDownHandler, com.google.gwt.event.dom.client.KeyUpHandler, com.google.gwt.event.dom.client.ChangeHandler

```

public class NrStepsSpinner
extends NumberSpinner
implements com.google.gwt.event.dom.client.ChangeHandler,
com.google.gwt.event.dom.client.KeyUpHandler, com.google.gwt.event.dom.client.MouseDownHandler,
com.google.gwt.event.dom.client.MouseMoveHandler,
com.google.gwt.event.dom.client.MouseOutHandler, com.google.gwt.user.client.ui.IsRenderable,
com.google.gwt.user.client.EventListener, com.google.gwt.event.logical.shared.HasAttachHandlers,
com.google.gwt.user.client.ui.IsWidget, com.google.gwt.user.client.ui.HasVisibility,
NumberSpinnerListener

```

Numberspinner that can be used to change the size of the drawing tool.

Field Summary

| | |
|---------------------|--|
| protected | as Reference to the model. |
| public static final | DEFAULT_MAX The maximum value of this spinner. Value: 50.0 |
| public static final | DEFAULT_MIN The minimum value of this spinner. Value: 1.0 |
| public static final | DEFAULT_RATE The rate of this spinner. Value: 1.0 |
| public static final | DEFAULT_VALUE The default value of this spinner. Value: 1.0 |

Fields inherited from class com.google.gwt.user.client.ui.UIObject

DEBUG_ID_PREFIX

Constructor Summary

| | |
|--------|---|
| public | NrStepsSpinner (ApplicationState appState) Creates a new numberspinner that can be used to change how many times the mixing protocol is executed (#steps). |
|--------|---|

Method Summary

| | |
|------|--|
| void | onValueChange (double value, double roundedValue) Sets the value for this spinner. |
|------|--|

Methods inherited from class [nl.tue.fingerpaint.client.gui.spinners.NumberSpinner](#)

[getRoundedValue](#), [getValue](#), [onChange](#), [onKeyUp](#), [onMouseDown](#), [onMouseMove](#), [onMouseOut](#), [setRate](#), [setSpinnerListener](#), [setValue](#), [setValue](#)

Methods inherited from class [com.google.gwt.user.client.ui.Composite](#)

[claimElement](#), [getWidget](#), [initializeClaimedElement](#), [initWidget](#), [isAttached](#), [onAttach](#), [onBrowserEvent](#), [onDetach](#), [render](#), [render](#), [resolvePotentialElement](#), [setWidget](#)

Methods inherited from class [com.google.gwt.user.client.ui.Widget](#)

[addAttachHandler](#), [addBitlessDomHandler](#), [addDomHandler](#), [addHandler](#), [asWidget](#), [asWidgetOrNull](#), [createHandlerManager](#), [delegateEvent](#), [doAttachChildren](#), [doDetachChildren](#), [fireEvent](#), [getHandlerCount](#), [getLayoutData](#), [getParent](#), [isAttached](#), [isOrWasAttached](#), [onAttach](#), [onBrowserEvent](#), [onDetach](#), [onLoad](#), [onUnload](#), [removeFromParent](#), [setLayoutData](#), [sinkEvents](#)

Methods inherited from class [com.google.gwt.user.client.ui.UIObject](#)

[addStyleDependentName](#), [addStyleName](#), [ensureDebugId](#), [ensureDebugId](#), [ensureDebugId](#), [getAbsoluteLeft](#), [getAbsoluteTop](#), [getElement](#), [getOffsetHeight](#), [getOffsetWidth](#), [getStyleElement](#), [getStyleName](#), [getStyleName](#), [getStylePrimaryName](#), [getStylePrimaryName](#), [getTitle](#), [isVisible](#), [isVisible](#), [onEnsureDebugId](#), [removeStyleDependentName](#), [removeStyleName](#), [resolvePotentialElement](#), [setElement](#), [setElement](#), [setHeight](#), [setPixelSize](#), [setSize](#), [setStyleDependentName](#), [setStyleName](#), [setStyleName](#), [setStyleName](#), [setStylePrimaryName](#), [setStylePrimaryName](#), [setTitle](#), [setVisible](#), [setVisible](#), [setWidth](#), [sinkBitlessEvent](#), [sinkEvents](#), [toString](#), [unsinkEvents](#)

Methods inherited from class [java.lang.Object](#)

[clone](#), [equals](#), [finalize](#), [getClass](#), [hashCode](#), [notify](#), [notifyAll](#), [toString](#), [wait](#), [wait](#), [wait](#)

Methods inherited from interface [com.google.gwt.user.client.ui.HasVisibility](#)

[isVisible](#), [setVisible](#)

Methods inherited from interface [com.google.gwt.user.client.EventListener](#)

[onBrowserEvent](#)

Methods inherited from interface `com.google.gwt.event.logical.shared.HasAttachHandlers``addAttachHandler, isAttached`**Methods inherited from interface** `com.google.gwt.event.shared.HasHandlers``fireEvent`**Methods inherited from interface** `com.google.gwt.user.client.ui.IsWidget``asWidget`**Methods inherited from interface** `com.google.gwt.user.client.ui.IsRenderable``claimElement, initializeClaimedElement, render, render`**Methods inherited from interface** `com.google.gwt.event.dom.client.ChangeHandler``onChange`**Methods inherited from interface** `com.google.gwt.event.dom.client.KeyUpHandler``onKeyUp`**Methods inherited from interface** `com.google.gwt.event.dom.client.MouseDownHandler``onMouseDown`**Methods inherited from interface** `com.google.gwt.event.dom.client.MouseMoveHandler``onMouseMove`**Methods inherited from interface** `com.google.gwt.event.dom.client.MouseOutHandler``onMouseOut`**Methods inherited from interface** [nl.tue.fingerpaint.client.gui.spinners.NumberSpinnerListener](#)[onValueChange](#)

Fields

DEFAULT_VALUE

```
public static final double DEFAULT_VALUE
```

The default value of this spinner.
Constant value: **1.0**

DEFAULT_RATE

```
public static final double DEFAULT_RATE
```

The rate of this spinner.
Constant value: **1.0**

DEFAULT_MIN

```
public static final double DEFAULT_MIN
```

The minimum value of this spinner.
Constant value: **1.0**

DEFAULT_MAX

```
public static final double DEFAULT_MAX
```

The maximum value of this spinner.
Constant value: **50.0**

as

```
protected nl.tue.fingerpaint.client.model.ApplicationState as
```

Reference to the model. Used to change how many times the mixing protocol is executed

Constructors

NrStepsSpinner

```
public NrStepsSpinner(ApplicationState appState)
```

Creates a new numberspinner that can be used to change how many times the mixing protocol is executed (#steps).

Parameters:

appState - Reference to the model, used to change the #steps-parameter.

Methods

onValueChange

```
public void onValueChange(double value,  
    double roundedValue)
```

Sets the value for this spinner.

Parameters:

value - The value that should be set.

nl.tue.fingerpaint.client.gui.spinners

Class NumberSpinner

```

java.lang.Object
├── com.google.gwt.user.client.ui.UIObject
│   ├── com.google.gwt.user.client.ui.Widget
│   │   ├── com.google.gwt.user.client.ui.Composite
│   │   └── nl.tue.fingerpaint.client.gui.spinners.NumberSpinner

```

All Implemented Interfaces:

com.google.gwt.event.dom.client.MouseOutHandler, com.google.gwt.event.dom.client.MouseMoveHandler, com.google.gwt.event.dom.client.MouseDownHandler, com.google.gwt.event.dom.client.KeyUpHandler, com.google.gwt.event.dom.client.ChangeHandler, com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.user.client.ui.IsWidget, com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.EventListener, com.google.gwt.user.client.ui.IsRenderable

Direct Known Subclasses:

[CursorSizeSpinner](#), [NrStepsSpinner](#), [StepSizeSpinner](#)

```

public class NumberSpinner
extends com.google.gwt.user.client.ui.Composite
implements com.google.gwt.user.client.ui.IsRenderable, com.google.gwt.user.client.EventListener,
com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.ui.IsWidget,
com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.event.dom.client.ChangeHandler,
com.google.gwt.event.dom.client.KeyUpHandler, com.google.gwt.event.dom.client.MouseDownHandler,
com.google.gwt.event.dom.client.MouseMoveHandler,
com.google.gwt.event.dom.client.MouseOutHandler

```

NumberSpinner Custom Control Code of this class was obtained from: <http://pavanandhukuri.wordpress.com/2012/01/28/gwt-number-spinner-control/>

Fields inherited from class com.google.gwt.user.client.ui.UIObject

DEBUG_ID_PREFIX

Constructor Summary

| | |
|--------|---|
| public | NumberSpinner () Initialises a number spinner with default value 1, increase-rate 1 and without limits |
| public | NumberSpinner (double defaultValue) Initialises a number spinner with default value defaultValue, increase-rate 1 and without limits |
| public | NumberSpinner (double min, double max) Initialises a number spinner with default value min, increase-rate 1 and limits min and max |
| public | NumberSpinner (double defaultValue, double rate, double min, double max) Initialises a number spinner with default value defaultValue, increase-rate rate and limits min and max |

| | |
|--------|---|
| public | NumberSpinner (double defaultValue, double rate, double min, double max, boolean limits) Initialises a number spinner with default value defaultValue, increase-rate rate and limits min and max if limits == true |
|--------|---|

Method Summary

| | |
|--------|---|
| double | getRoundedValue () Returns the value of the spinner rounded to a valid value for this spinner. |
| double | getValue () Returns the value being held. |
| void | onChange (com.google.gwt.event.dom.client.ChangeEvent event) |
| void | onKeyUp (com.google.gwt.event.dom.client.KeyUpEvent event) |
| void | onMouseDown (com.google.gwt.event.dom.client.MouseDownEvent event) |
| void | onMouseMove (com.google.gwt.event.dom.client.MouseMoveEvent event) |
| void | onMouseOut (com.google.gwt.event.dom.client.MouseOutEvent event) |
| void | setRate (double rate) Sets the rate at which increment or decrement is done. |
| void | setSpinnerListener (NumberSpinnerListener spinnerListener) Change or set the listener attached to this NumberSpinner. |
| void | setValue (double d) Sets the value to the control |
| void | setValue (double d, boolean round) Sets the value to the control and possibly performs rounding of the given . |

Methods inherited from class com.google.gwt.user.client.ui.Composite

claimElement, getWidget, initializeClaimedElement, initWidget, isAttached, onAttach, onBrowserEvent, onDetach, render, render, resolvePotentialElement, setWidget

Methods inherited from class com.google.gwt.user.client.ui.Widget

addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget, asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren, doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached, isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload, removeFromParent, setLayoutData, sinkEvents

Methods inherited from class com.google.gwt.user.client.ui.UIObject

```
addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId,
getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth,
getStyleElement, getStyleName, getStyleName, getStylePrimaryName,
getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId,
removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement,
setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName,
setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName,
setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString,
unsinkEvents
```

Methods inherited from class `java.lang.Object`

```
clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait,
wait
```

Methods inherited from interface `com.google.gwt.user.client.ui.HasVisibility`

```
isVisible, setVisible
```

Methods inherited from interface `com.google.gwt.user.client.EventListener`

```
onBrowserEvent
```

Methods inherited from interface `com.google.gwt.event.logical.shared.HasAttachHandlers`

```
addAttachHandler, isAttached
```

Methods inherited from interface `com.google.gwt.event.shared.HasHandlers`

```
fireEvent
```

Methods inherited from interface `com.google.gwt.user.client.ui.IsWidget`

```
asWidget
```

Methods inherited from interface `com.google.gwt.user.client.ui.IsRenderable`

```
claimElement, initializeClaimedElement, render, render
```

Methods inherited from interface `com.google.gwt.event.dom.client.ChangeHandler`

```
onChange
```

Methods inherited from interface `com.google.gwt.event.dom.client.KeyUpHandler`

```
onKeyUp
```

Methods inherited from interface `com.google.gwt.event.dom.client.MouseDownHandler`

```
onMouseDown
```

Methods inherited from interface `com.google.gwt.event.dom.client.MouseMoveHandler`

```
onMouseMove
```

Methods inherited from interface `com.google.gwt.event.dom.client.MouseOutHandler`

```
onMouseOut
```

Constructors

NumberSpinner

```
public NumberSpinner()
```

Initialises a number spinner with default value 1, increase-rate 1 and without limits

NumberSpinner

```
public NumberSpinner(double defaultValue)
```

Initialises a number spinner with default value defaultValue, increase-rate 1 and without limits

Parameters:

defaultValue - The value that is initially displayed on this number spinner

NumberSpinner

```
public NumberSpinner(double min,  
                     double max)
```

Initialises a number spinner with default value min, increase-rate 1 and limits min and max

Parameters:

min - The minimum value this spinner can take

max - The maximum value this spinner can take

Throws:

`IllegalArgumentException` - if min > max

NumberSpinner

```
public NumberSpinner(double defaultValue,  
                     double rate,  
                     double min,  
                     double max)
```

Initialises a number spinner with default value defaultValue, increase-rate rate and limits min and max

Parameters:

defaultValue - The default value of this spinner

rate - The amount with which the value if the spinner is increased/decreased when using the up/down buttons

min - The minimum value this spinner can take

max - The maximum value this spinner can take

Throws:

`IllegalArgumentException` - if defaultValue < min || defaultValue > max || min > max

(continued from last page)

NumberSpinner

```
public NumberSpinner(double defaultValue,
                     double rate,
                     double min,
                     double max,
                     boolean limits)
```

Initialises a number spinner with default value `defaultValue`, increase-rate `rate` and limits `min` and `max` if `limits == true`

Parameters:

`defaultValue` - The default value of this spinner
`rate` - The amount with which the value if the spinner is increased/decreased when using the up/down buttons
`min` - The minimum value this spinner can take
`max` - The maximum value this spinner can take
`limits` - true if this `NumberSpinner` has limits, false otherwise

Throws:

`IllegalArgumentException` - if `limits == true && (defaultValue < min || defaultValue > max || min > max)`

Methods

getValue

```
public double getValue()
```

Returns the value being held.

Returns:

`integerBox.getValue()`

setValue

```
public void setValue(double d)
```

Sets the value to the control

Parameters:

`d` - Value to be set

setValue

```
public void setValue(double d,
                    boolean round)
```

Sets the value to the control and possibly performs rounding of the given .

Parameters:

`d` - Value to be set
`round` - Boolean to indicate whether rounding should be performed.

setRate

```
public void setRate(double rate)
```

Sets the rate at which increment or decrement is done.

Parameters:

`rate` - Increase rate to be set

setSpinnerListener

```
public void setSpinnerListener(NumberSpinnerListener spinnerListener)
```

Change or set the listener attached to this NumberSpinner.

Parameters:

spinnerListener - The (new) listener that will be attached to this spinner.

getRoundedValue

```
public double getRoundedValue()
```

Returns the value of the spinner rounded to a valid value for this spinner.

Returns:

Value of this spinner, rounded to the nearest valid value.

onChange

```
public void onChange(com.google.gwt.event.dom.client.ChangeEvent event)
```

onKeyUp

```
public void onKeyUp(com.google.gwt.event.dom.client.KeyUpEvent event)
```

onMouseDown

```
public void onMouseDown(com.google.gwt.event.dom.client.MouseDownEvent event)
```

onMouseMove

```
public void onMouseMove(com.google.gwt.event.dom.client.MouseMoveEvent event)
```

onMouseOut

```
public void onMouseOut(com.google.gwt.event.dom.client.MouseOutEvent event)
```

nl.tue.fingerpaint.client.gui.spinners

Interface NumberSpinnerListener

All Known Implementing Classes:

[CursorSizeSpinner](#), [NrStepsSpinner](#), [StepSizeSpinner](#)

```
public interface NumberSpinnerListener  
extends
```

This listener can be attached to a [NumberSpinner](#). It is notified when the value of the spinner changes and can thus be used to update some internal variables or so.

Method Summary

| | |
|------|---|
| void | onValueChanged (double value, double roundedValue) This function is called whenever the value of the NumberSpinner is updated. |
|------|---|

Methods

onValueChanged

```
public void onValueChanged(double value,  
                           double roundedValue)
```

This function is called whenever the value of the [NumberSpinner](#) is updated.

Parameters:

value - The (new) current value of the spinner. This is the value as it is typed in by the user.
roundedValue - The (new) current value of the spinner, rounded to a value that is valid for it.

nl.tue.fingerpaint.client.gui.spinners

Class StepSizeSpinner

```

java.lang.Object
├── com.google.gwt.user.client.ui.UIObject
│   ├── com.google.gwt.user.client.ui.Widget
│   │   ├── com.google.gwt.user.client.ui.Composite
│   │   │   ├── nl.tue.fingerpaint.client.gui.spinners.NumberSpinner
│   │   │   │   └── nl.tue.fingerpaint.client.gui.spinners.StepSizeSpinner

```

All Implemented Interfaces:

[NumberSpinnerListener](#), [com.google.gwt.user.client.ui.HasVisibility](#), [com.google.gwt.user.client.ui.IsWidget](#), [com.google.gwt.event.logical.shared.HasAttachHandlers](#), [com.google.gwt.user.client.EventListener](#), [com.google.gwt.user.client.ui.IsRenderable](#), [com.google.gwt.event.dom.client.MouseOutHandler](#), [com.google.gwt.event.dom.client.MouseMoveHandler](#), [com.google.gwt.event.dom.client.MouseDownHandler](#), [com.google.gwt.event.dom.client.KeyUpHandler](#), [com.google.gwt.event.dom.client.ChangeHandler](#)

```

public class StepSizeSpinner
extends NumberSpinner
implements com.google.gwt.event.dom.client.ChangeHandler,
com.google.gwt.event.dom.client.KeyUpHandler, com.google.gwt.event.dom.client.MouseDownHandler,
com.google.gwt.event.dom.client.MouseMoveHandler,
com.google.gwt.event.dom.client.MouseOutHandler, com.google.gwt.user.client.ui.IsRenderable,
com.google.gwt.user.client.EventListener, com.google.gwt.event.logical.shared.HasAttachHandlers,
com.google.gwt.user.client.ui.IsWidget, com.google.gwt.user.client.ui.HasVisibility,
NumberSpinnerListener

```

The [NumberSpinner](#) that is used to specify the size of a step.

Fields inherited from class [com.google.gwt.user.client.ui.UIObject](#)

DEBUG_ID_PREFIX

Constructor Summary

| | |
|--------|---|
| public | StepSizeSpinner (ApplicationState appState) Construct the StepSizeSpinner . |
| public | StepSizeSpinner (ApplicationState appState, java.lang.String debugId) Construct the StepSizeSpinner . |

Method Summary

| | |
|------|---|
| void | onValueChange (double value, double roundedValue) Update the step size in the ApplicationState . |
|------|---|

Methods inherited from class [nl.tue.fingerpaint.client.gui.spinners.NumberSpinner](#)

[getRoundedValue](#), [getValue](#), [onChange](#), [onKeyUp](#), [onMouseDown](#), [onMouseMove](#), [onMouseOut](#), [setRate](#), [setSpinnerListener](#), [setValue](#), [setValue](#)

Methods inherited from class com.google.gwt.user.client.ui.Composite

claimElement, getWidget, initializeClaimedElement, initWidget, isAttached, onAttach, onBrowserEvent, onDetach, render, render, resolvePotentialElement, setWidget

Methods inherited from class com.google.gwt.user.client.ui.Widget

addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget, asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren, doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached, isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload, removeFromParent, setLayoutData, sinkEvents

Methods inherited from class com.google.gwt.user.client.ui.UIObject

addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId, getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth, getStyleElement, getStyleName, getStyleName, getStylePrimaryName, getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId, removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement, setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName, setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString, unsinkEvents

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface com.google.gwt.user.client.ui.HasVisibility

isVisible, setVisible

Methods inherited from interface com.google.gwt.user.client.EventListener

onBrowserEvent

Methods inherited from interface com.google.gwt.event.logical.shared.HasAttachHandlers

addAttachHandler, isAttached

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.IsWidget

asWidget

Methods inherited from interface com.google.gwt.user.client.ui.IsRenderable

claimElement, initializeClaimedElement, render, render

Methods inherited from interface com.google.gwt.event.dom.client.ChangeHandler

onChange

Methods inherited from interface `com.google.gwt.event.dom.client.KeyUpHandler``onKeyUp`**Methods inherited from interface** `com.google.gwt.event.dom.client.MouseDownHandler``onMouseDown`**Methods inherited from interface** `com.google.gwt.event.dom.client.MouseMoveHandler``onMouseMove`**Methods inherited from interface** `com.google.gwt.event.dom.client.MouseOutHandler``onMouseOut`**Methods inherited from interface** [nl.tue.fingerpaint.client.gui.spinners.NumberSpinnerListener](#)[onValueChange](#)

Constructors

StepSizeSpinner

```
public StepSizeSpinner(ApplicationState appState)
```

Construct the [StepSizeSpinner](#).

Parameters:

`appState` - A reference to the model of the application. This is needed to update the step size there.

StepSizeSpinner

```
public StepSizeSpinner(ApplicationState appState,  
                       java.lang.String debugId)
```

Construct the [StepSizeSpinner](#).

Parameters:

`appState` - A reference to the model of the application. This is needed to update the step size there.

`debugId` - The wanted debug ID for the element.

Methods

onValueChange

```
public void onValueChange(double value,  
                           double roundedValue)
```

Update the step size in the [ApplicationState](#). Also makes sure that both [StepSizeSpinners](#) in the application get the same value.

Package

nl.tue.fingerpaint.client.gui.textboxes

nl.tue.fingerpaint.client.gui.textboxes

Class SaveNameTextBox

```

java.lang.Object
├── com.google.gwt.user.client.ui.UIObject
│   ├── com.google.gwt.user.client.ui.Widget
│   │   ├── com.google.gwt.user.client.ui.FocusWidget
│   │   │   ├── com.google.gwt.user.client.ui.ValueBoxBase
│   │   │   │   ├── com.google.gwt.user.client.ui.TextBoxBase
│   │   │   │   │   ├── com.google.gwt.user.client.ui.TextBox
│   │   │   │   │   └── nl.tue.fingerpaint.client.gui.textboxes.SaveNameTextBox

```

All Implemented Interfaces:

```

com.google.gwt.event.dom.client.KeyPressHandler, com.google.gwt.user.client.ui.HasVisibility,
com.google.gwt.user.client.ui.IsWidget, com.google.gwt.event.logical.shared.HasAttachHandlers,
com.google.gwt.user.client.EventListener, com.google.gwt.user.client.ui.SourcesMouseEvents,
com.google.gwt.event.dom.client.HasAllTouchHandlers, com.google.gwt.event.dom.client.HasAllMouseHandlers,
com.google.gwt.event.dom.client.HasAllKeyHandlers, com.google.gwt.event.dom.client.HasAllGestureHandlers,
com.google.gwt.event.dom.client.HasAllFocusHandlers,
com.google.gwt.event.dom.client.HasAllDragAndDropHandlers, com.google.gwt.user.client.ui.HasEnabled,
com.google.gwt.user.client.ui.HasFocus, com.google.gwt.event.dom.client.HasDoubleClickHandlers,
com.google.gwt.event.dom.client.HasClickHandlers, com.google.gwt.user.client.ui.SourcesClickEvents,
com.google.gwt.editor.client.IsEditor, com.google.gwt.i18n.client.AutoDirectionHandler.Target,
com.google.gwt.user.client.ui.HasValue, com.google.gwt.i18n.shared.HasDirectionEstimator,
com.google.gwt.user.client.ui.HasName, com.google.gwt.event.dom.client.HasChangeHandlers,
com.google.gwt.user.client.ui.SourcesChangeEvents

```

public class **SaveNameTextBox**

extends com.google.gwt.user.client.ui.TextBox

implements com.google.gwt.user.client.ui.SourcesChangeEvents,

com.google.gwt.event.dom.client.HasChangeHandlers, com.google.gwt.user.client.ui.HasName,

com.google.gwt.i18n.shared.HasDirectionEstimator, com.google.gwt.user.client.ui.HasValue,

com.google.gwt.i18n.client.AutoDirectionHandler.Target, com.google.gwt.editor.client.IsEditor,

com.google.gwt.user.client.ui.SourcesClickEvents, com.google.gwt.event.dom.client.HasClickHandlers,

com.google.gwt.event.dom.client.HasDoubleClickHandlers, com.google.gwt.user.client.ui.HasFocus,

com.google.gwt.user.client.ui.HasEnabled, com.google.gwt.event.dom.client.HasAllDragAndDropHandlers

, com.google.gwt.event.dom.client.HasAllFocusHandlers,

com.google.gwt.event.dom.client.HasAllGestureHandlers,

com.google.gwt.event.dom.client.HasAllKeyHandlers,

com.google.gwt.event.dom.client.HasAllMouseHandlers,

com.google.gwt.event.dom.client.HasAllTouchHandlers,

com.google.gwt.user.client.ui.SourcesMouseEvents, com.google.gwt.user.client.EventListener,

com.google.gwt.event.logical.shared.HasAttachHandlers, com.google.gwt.user.client.ui.IsWidget,

com.google.gwt.user.client.ui.HasVisibility, com.google.gwt.event.dom.client.KeyPressHandler

TextBox that can be used to let the user input a name for an item to save.

See Also:

[SaveItemPopupPanel](#)

Fields inherited from class com.google.gwt.user.client.ui.TextBoxBase

ALIGN_CENTER, ALIGN_JUSTIFY, ALIGN_LEFT, ALIGN_RIGHT

Fields inherited from class com.google.gwt.user.client.ui.UIObject

DEBUG_ID_PREFIX

Constructor Summary

public

[SaveNameTextBox\(\)](#)

Construct a new com.google.gwt.user.client.ui.TextBox that can be used to input a name for an item to save.

Method Summary

void

[onKeyPress](#)(com.google.gwt.event.dom.client.KeyPressEvent event)

Adds the key that was pressed to the textbox, but only if the key is one of A-Za-z0-9 and it is not a space at the beginning of the text.

Methods inherited from class com.google.gwt.user.client.ui.TextBox

getMaxLength, getVisibleLength, setMaxLength, setVisibleLength, wrap

Methods inherited from class com.google.gwt.user.client.ui.TextBoxBase

addChangeListener, getValue, setTextAlignment

Methods inherited from class com.google.gwt.user.client.ui.ValueBoxBase

addChangeHandler, addValueChangeHandler, asEditor, cancelKey, getCursorPos, getDirection, getDirectionEstimator, getImpl, getName, getSelectedText, getSelectionLength, getText, getValue, getValueOrThrow, isReadOnly, onBrowserEvent, onLoad, removeChangeListener, selectAll, setAlignment, setCursorPos, setDirection, setDirectionEstimator, setDirectionEstimator, setKey, setName, setReadOnly, setSelectionRange, setText, setValue, setValue

Methods inherited from class com.google.gwt.user.client.ui.FocusWidget

addBlurHandler, addClickHandler, addClickListener, addDoubleClickHandler, addDragEndHandler, addDragEnterHandler, addDragHandler, addDragLeaveHandler, addDragOverHandler, addDragStartHandler, addDropHandler, addFocusHandler, addFocusListener, addGestureChangeHandler, addGestureEndHandler, addGestureStartHandler, addKeyboardListener, addKeyDownHandler, addKeyPressHandler, addKeyUpHandler, addMouseDownHandler, addMouseListener, addMouseMoveHandler, addMouseOutHandler, addMouseOverHandler, addMouseUpHandler, addMouseWheelHandler, addMouseWheelListener, addTouchCancelHandler, addTouchEndHandler, addTouchMoveHandler, addTouchStartHandler, getFocusImpl, getTabIndex, isEnabled, onAttach, removeClickListener, removeFocusListener, removeKeyboardListener, removeMouseListener, removeMouseWheelListener, setAccessKey, setEnabled, setFocus, setTabIndex

Methods inherited from class com.google.gwt.user.client.ui.Widget

```
addAttachHandler, addBitlessDomHandler, addDomHandler, addHandler, asWidget,
asWidgetOrNull, createHandlerManager, delegateEvent, doAttachChildren,
doDetachChildren, fireEvent, getHandlerCount, getLayoutData, getParent, isAttached,
isOrWasAttached, onAttach, onBrowserEvent, onDetach, onLoad, onUnload,
removeFromParent, setLayoutData, sinkEvents
```

Methods inherited from class `com.google.gwt.user.client.ui.UIObject`

```
addStyleDependentName, addStyleName, ensureDebugId, ensureDebugId, ensureDebugId,
getAbsoluteLeft, getAbsoluteTop, getElement, getOffsetHeight, getOffsetWidth,
getStyleElement, getStyleName, getStyleName, getStylePrimaryName,
getStylePrimaryName, getTitle, isVisible, isVisible, onEnsureDebugId,
removeStyleDependentName, removeStyleName, resolvePotentialElement, setElement,
setElement, setHeight, setPixelSize, setSize, setStyleDependentName, setStyleName,
setStyleName, setStyleName, setStyleName, setStylePrimaryName, setStylePrimaryName,
setTitle, setVisible, setVisible, setWidth, sinkBitlessEvent, sinkEvents, toString,
unsinkEvents
```

Methods inherited from class `java.lang.Object`

```
clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait,
wait
```

Methods inherited from interface `com.google.gwt.user.client.ui.HasVisibility`

```
isVisible, setVisible
```

Methods inherited from interface `com.google.gwt.user.client.EventListener`

```
onBrowserEvent
```

Methods inherited from interface `com.google.gwt.event.logical.shared.HasAttachHandlers`

```
addAttachHandler, isAttached
```

Methods inherited from interface `com.google.gwt.event.shared.HasHandlers`

```
fireEvent
```

Methods inherited from interface `com.google.gwt.user.client.ui.IsWidget`

```
asWidget
```

Methods inherited from interface `com.google.gwt.user.client.ui.SourcesClickEvents`

```
addClickListener, removeClickListener
```

Methods inherited from interface `com.google.gwt.event.dom.client.HasClickHandlers`

```
addClickHandler
```

Methods inherited from interface `com.google.gwt.event.shared.HasHandlers`

```
fireEvent
```

Methods inherited from interface `com.google.gwt.event.dom.client.HasDoubleClickHandlers`

addDoubleClickHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.Focusable

getTabIndex, setAccessKey, setFocus, setTabIndex

Methods inherited from interface com.google.gwt.user.client.ui.SourcesFocusEvents

addFocusListener, removeFocusListener

Methods inherited from interface com.google.gwt.user.client.ui.SourcesKeyboardEvents

addKeyboardListener, removeKeyboardListener

Methods inherited from interface com.google.gwt.user.client.ui.HasEnabled

isEnabled, setEnabled

Methods inherited from interface com.google.gwt.event.dom.client.HasDragEndHandlers

addDragEndHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDragEnterHandlers

addDragEnterHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDragLeaveHandlers

addDragLeaveHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDragHandlers

addDragHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDragOverHandlers

addDragOverHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDragStartHandlers

addDragStartHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasDropHandlers

addDropHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasFocusHandlers

addFocusHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasBlurHandlers

addBlurHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasGestureStartHandlers

addGestureStartHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasGestureChangeHandlers

addGestureChangeHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasGestureEndHandlers

addGestureEndHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasKeyUpHandlers

addKeyUpHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasKeyDownHandlers

addKeyDownHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasKeyPressHandlers

addKeyPressHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasMouseDownHandlers

addMouseDownHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasMouseUpHandlers

addMouseUpHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasMouseOutHandlers

addMouseOutHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasMouseOverHandlers

addMouseOverHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasMouseMoveHandlers

addMouseMoveHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasMouseWheelHandlers

addMouseWheelHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasTouchStartHandlers

addTouchStartHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasTouchMoveHandlers

addTouchMoveHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasTouchEndHandlers

addTouchEndHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.event.dom.client.HasTouchCancelHandlers

addTouchCancelHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.SourcesMouseEvents

addMouseListener, removeMouseListener

Methods inherited from interface com.google.gwt.event.dom.client.HasChangeHandlers

addChangeHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.HasName

getName, setName

Methods inherited from interface com.google.gwt.i18n.shared.HasDirectionEstimator

getDirectionEstimator, setDirectionEstimator, setDirectionEstimator

Methods inherited from interface com.google.gwt.user.client.ui.HasValue

getValue, setValue, setValue

Methods inherited from interface com.google.gwt.user.client.TakesValue

getValue, setValue

Methods inherited from interface com.google.gwt.event.logical.shared.HasValueChangeHandlers

addValueChangeHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.user.client.ui.HasText

getText, setText

Methods inherited from interface com.google.gwt.i18n.client.HasDirection

getDirection, setDirection

Methods inherited from interface com.google.gwt.event.dom.client.HasKeyUpHandlers

addKeyUpHandler

Methods inherited from interface com.google.gwt.event.shared.HasHandlers

fireEvent

Methods inherited from interface com.google.gwt.editor.client.IsEditor

asEditor

Methods inherited from interface com.google.gwt.user.client.ui.SourcesChangeEvents

addChangeListener, removeChangeListener

Methods inherited from interface com.google.gwt.event.dom.client.KeyPressHandler

onKeyPress

Constructors

SaveNameTextBox

```
public SaveNameTextBox()
```

Construct a new `com.google.gwt.user.client.ui.TextBox` that can be used to input a name for an item to save.

Methods

onKeyPress

```
public void onKeyPress(com.google.gwt.event.dom.client.KeyPressEvent event)
```

Adds the key that was pressed to the textbox, but only if the key is one of A-Za-z0-9 and it is not a space at the beginning of the text. If backspace is pressed, the last character removed, and if enter was pressed, the panel behaves as if the Save button was clicked. *

Parameters:

event - The event that has fired.

Package

nl.tue.fingerpaint.client.model

nl.tue.fingerpaint.client.model

Class ApplicationState

java.lang.Object

└─nl.tue.fingerpaint.client.model.ApplicationState

public class **ApplicationState**
extends java.lang.Object

The ApplicationState is a class that can be and is used to keep track of all relevant parameters in the application. Like [GuiState](#), it is some sort of manager, or central registry, for easy tracking of in this case parameters chosen by the user. This includes the geometry and mixer that were chosen, the protocol, step size, et cetera.

Constructor Summary

| | |
|--------|-------------------------------------|
| public | ApplicationState () |
|--------|-------------------------------------|

Method Summary

| | |
|--------------------------------|--|
| void | addMixingStep (MixingStep step) Add a step to the mixing protocol. |
| void | drawDistribution () Draws the initial concentration distribution on the canvas |
| Geometry | getGeometry () Gives the current geometry object |
| java.lang.String | getGeometryChoice () Returns the long name of the chosen geometry. |
| int[] | getInitialDistribution () Gives the initial concentration distribution |
| java.lang.String | getMixerChoice () Returns the name of the chosen mixer. |
| int | getNrSteps () Returns the current value of number of steps. |
| MixingProtocol | getProtocol () Returns the mixing protocol |
| double[] | getSegregation () Returns the segregation points |
| double | getStepSize () Gives the current step size |
| boolean | isDefiningProtocol () Return if the user is currently defining a protocol, or not. |
| void | setGeometry (Geometry geometry) Sets the current geometry object |

| | |
|------|--|
| void | <code>setGeometryChoice</code> (java.lang.String g) Change the chosen geometry. |
| void | <code>setInitialDistribution</code> (int[] distribution) Sets the initial concentration distribution |
| void | <code>setIsDefiningProtocol</code> (boolean isDefiningProtocol) Change if the user is defining a protocol or not. |
| void | <code>setMixerChoice</code> (java.lang.String m) Change the chosen mixer. |
| void | <code>setNrSteps</code> (double steps) Sets the value for the number of steps. |
| void | <code>setProtocol</code> (<code>MixingProtocol</code> mixingProtocol) Sets the current mixing protocol |
| void | <code>setSegregation</code> (double[] segregation) Sets the segregation points |
| void | <code>setStepSize</code> (double value) Updates the current mixing step with a new value |

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

ApplicationState

```
public ApplicationState()
```

Methods

getNrSteps

```
public int getNrSteps()
```

Returns the current value of number of steps.

Returns:

The current value of number of steps.

setNrSteps

```
public void setNrSteps(double steps)
```

Sets the value for the number of steps. It accepts a double, as the (default)value of the numberspinner is a double; it can immediately be converted to an integer, as the numberspinner for this variable guarantees that correct rounding has been performed, when this method is called.

Parameters:

(continued from last page)

steps - The new value for number of steps.

steps is valid, according to the settings for the numberspinner in class Fingerpaint.

getGeometryChoice

```
public java.lang.String getGeometryChoice()
```

Returns the long name of the chosen geometry.

Returns:

the long name of the chosen geometry

setGeometryChoice

```
public void setGeometryChoice(java.lang.String g)
```

Change the chosen geometry. Note that it should be compatible with the chosen mixer!

Parameters:

g - The value to be set

setMixerChoice

```
public void setMixerChoice(java.lang.String m)
```

Change the chosen mixer. Note that it should be compatible with the chosen geometry!

Parameters:

m - The value to be set

getMixerChoice

```
public java.lang.String getMixerChoice()
```

Returns the name of the chosen mixer.

Returns:

the name of the chosen mixer

getProtocol

```
public MixingProtocol getProtocol()
```

Returns the mixing protocol

Returns:

the current mixing protocol

setProtocol

```
public void setProtocol(MixingProtocol mixingProtocol)
```

(continued from last page)

Sets the current mixing protocol

Parameters:

mixingProtocol - , the new mixing protocol

Throws:

NullPointerException - if mixingProtocol == null

getSegregation

```
public double[] getSegregation()
```

Returns the segregation points

Returns:

double array containing the segregation points

setSegregation

```
public void setSegregation(double[] segregation)
```

Sets the segregation points

Parameters:

segregation - The array containing the points to be set

getStepSize

```
public double getStepSize()
```

Gives the current step size

Returns:

The current step size

setStepSize

```
public void setStepSize(double value)
```

Updates the current mixing step with a new value

Parameters:

value - the new StepSize for the current mixing step

getInitialDistribution

```
public int[] getInitialDistribution()
```

Gives the initial concentration distribution

Returns:

The current initial concentration distribution

setInitialDistribution

```
public void setInitialDistribution(int[] distribution)
```

Sets the initial concentration distribution

(continued from last page)

Parameters:

distribution - The distribution to set

getGeometry

```
public Geometry getGeometry()
```

Gives the current geometry object

Returns:

The geometry object

setGeometry

```
public void setGeometry(Geometry geometry)
```

Sets the current geometry object

Parameters:

geometry - The geometry object to set

addMixingStep

```
public void addMixingStep(MixingStep step)
```

Add a step to the mixing protocol.

Parameters:

step - Step to be added.

drawDistribution

```
public void drawDistribution()
```

Draws the initial concentration distribution on the canvas

isDefiningProtocol

```
public boolean isDefiningProtocol()
```

Return if the user is currently defining a protocol, or not. In the latter case he/she can execute single steps directly.

Returns:

true if the user is defining a protocol

setIsDefiningProtocol

```
public void setIsDefiningProtocol(boolean isDefiningProtocol)
```

Change if the user is defining a protocol or not.

Parameters:

isDefiningProtocol - true if the user is defining a protocol

nl.tue.fingerpaint.client.model

Class Geometry

java.lang.Object

└─nl.tue.fingerpaint.client.model.Geometry

Direct Known Subclasses:

[RectangleGeometry](#)

public abstract class **Geometry**
extends java.lang.Object

Abstract class representing a geometry

Nested Class Summary

| | |
|-------|--|
| class | Geometry.StepAddedListener Geometry.StepAddedListener |
|-------|--|

Field Summary

| | |
|---------------------------|--|
| protected static final | BOTTOM_OFFSET Minimum distance between the bottom border of the canvas and the bottom border of the drawing area. Value: 29 |
| protected | canvas The canvas to draw on. |
| protected | canvasHeight Height of the drawing area in pixels. |
| protected | canvasWidth Width of the drawing area in pixels. |
| protected | context The context belonging to the canvas. |
| protected | currentColor The current colour to draw with |
| protected | displacement The extra width of the drawing tool. |
| protected static final | HEIGHT_OF_WALL The height of the wall in the same distance unit as the rectangleHeight. Value: 25 |
| protected | internalCanvas The canvas that holds the internal representation. |
| protected | internalContext The context belonging to the internal canvas. |

| | |
|---------------------------|---|
| protected | <u>stepAddedListeners</u> ArrayList of stepAddedListeners connected to this geometry |
| protected static | <u>STRIPE_INTERVAL</u> The distance between two arrows |
| protected static | <u>STRIPE_SLOPE</u> The total width of a single arrow |
| protected static | <u>STRIPE_WIDTH</u> The width of the arrows on the walls |
| protected static final | <u>SWIPE_THRESHOLD</u> Threshold in pixels to decide when a large enough swipe has been carried out to define a protocol step. Value: 20 |
| protected | <u>swipeStartX</u> Stores the x-coordinate of the mouse event that initiates a wall movement. |
| protected | <u>swipeStartY</u> Stores the y-coordinate of the mouse event that initiates a wall movement. |
| protected | <u>tool</u> The current drawing tool |
| protected | <u>toolImage</u> The image to draw with |
| protected static final | <u>TOP_OFFSET</u> Distance between the top border of the canvas and the top border of the drawing area. Value: 29 |
| protected static | <u>wallColor</u> The background colour of the walls |
| protected static | <u>wallStripeColor</u> The colour of the arrows on the walls |
| protected static final | <u>X_OFFSET</u> Distance between left border of the canvas and the left border of the drawing area. Value: 4 |

Constructor Summary

| | |
|-----------|---|
| protected | <u>Geometry</u> (int clientHeight, int clientWidth) Creates a new Geometry, initial colour is black. |
|-----------|---|

Method Summary

| | |
|---------------|--|
| void | <u>addStepAddedListener</u> (<u>Geometry.StepAddedListener</u> l) Adds a stepAddedListener to the list of listeners. |
| abstract void | <u>clipGeometryOutline</u> () Clips the drawing area, so that drawing outside of the drawing area is not possible |

| | |
|--|---|
| void | <code>createCanvas</code> (int height, int width, int internalHeight, int internalWidth) Initialisation method which creates the canvas. |
| abstract <code>MixingStep</code> | <code>determineSwipe</code> (int mouseX, int mouseY) Should return the direction and wall of the current swiping movement. |
| abstract void | <code>drawDistribution</code> (int[] dist) Sets the given distribution as the current distribution, and draws it on the canvas |
| abstract void | <code>drawGeometryOutline</code> () Draws the border around the drawing area |
| abstract void | <code>drawWalls</code> () Draws the outline around the walls |
| abstract void | <code>fillWall</code> (int x) Colours the inside of one of the walls of the geometry. |
| abstract int | <code>getBaseHeight</code> () Returns the base height of the geometry |
| abstract int | <code>getBaseWidth</code> () Returns the base width of the geometry |
| com.google.gwt.canvas. client.Canvas | <code>getCanvas</code> () Returns the canvas belonging to this Geometry |
| <code>Colour</code> | <code>getColor</code> () Returns the current drawing colour |
| abstract int[] | <code>getDistribution</code> () Returns the distribution |
| abstract int | <code>getHeight</code> () Returns the total height of the drawing area |
| int | <code>getInternalXCoord</code> (int canvasX) Convert an X-coordinate in the actual drawing area into a valid X- coordinate in the internal canvas. |
| int | <code>getInternalYCoord</code> (int canvasY) Convert an Y-coordinate in the actual drawing area into a valid Y- coordinate in the internal canvas. |
| abstract java.lang.String | <code>getSvgCanvasImage</code> () Returns the string representation of the .svg image of the canvas |
| abstract int | <code>getWidth</code> () Returns the total width of the drawing area |
| void | <code>initialise</code> (int clientWidth, int clientHeight, int internalWidth, int internalHeight) Initialise the canvas to the given size. |
| abstract boolean | <code>isInsideDrawingArea</code> (int x, int y) Returns whether the position (x, y) is inside the drawing area on the canvas. |
| abstract boolean | <code>isInsideWall</code> (int x, int y) Returns whether the point (x, y) is inside one of the walls. |

| | |
|---------------|--|
| void | <code>onDragEnd</code> (int x, int y) Code to execute on a MouseUp event. |
| void | <code>onDragMove</code> (int x, int y) Code to execute on a MouseMove event. |
| void | <code>onDragOut</code> () Code to execute on a MouseOut event. |
| void | <code>onDragStart</code> (int x, int y) Code to execute on a MouseDown event. |
| void | <code>putImage</code> (com.google.gwt.dom.client.ImageElement img) Put the given image on the canvas. |
| void | <code>removeClippingArea</code> () Clips the entire canvas |
| void | <code>removeStepAddedListener</code> (<code>Geometry.StepAddedListener</code> l) Removes a stepAddedListner from the list of listeners. |
| void | <code>repaint</code> () Update the contents of the canvas with those of the internal representation. |
| abstract void | <code>resetDistribution</code> () Resets the current distribution to all white |
| void | <code>resize</code> (int clientWidth, int clientHeight) Resizes the canvas. |
| void | <code>setColor</code> (<code>Colour</code> colour) Sets the current drawing colour |
| void | <code>setDrawingTool</code> (<code>DrawingTool</code> tool) Sets the drawing tool |
| void | <code>setDrawingToolSize</code> (int size) Sets the size of the drawing tool |
| void | <code>startDefineMixingStep</code> (int mouseX, int mouseY) Together with stopDefineMixingStep(), this function checks whether the protocol should be updated by adding a new Step. |
| abstract void | <code>stopDefineMixingStep</code> (int mouseX, int mouseY) Together with startDefineMixingStep(), this function checks whether the protocol should be updated by adding a new Step. |
| abstract void | <code>updateSize</code> (int clientWidth, int clientHeight) Updates the internal canvas size, which is dependent on the actual (physical) size of the canvas. |

Methods inherited from class `java.lang.Object`

`clone`, `equals`, `finalize`, `getClass`, `hashCode`, `notify`, `notifyAll`, `toString`, `wait`, `wait`, `wait`

Fields

(continued from last page)

canvas

protected com.google.gwt.canvas.client.Canvas **canvas**

The canvas to draw on.

internalCanvas

protected com.google.gwt.canvas.client.Canvas **internalCanvas**

The canvas that holds the internal representation.

context

protected com.google.gwt.canvas.dom.client.Context2d **context**

The context belonging to the canvas.

internalContext

protected com.google.gwt.canvas.dom.client.Context2d **internalContext**

The context belonging to the internal canvas.

canvasWidth

protected int **canvasWidth**

Width of the drawing area in pixels.

canvasHeight

protected int **canvasHeight**

Height of the drawing area in pixels.

HEIGHT_OF_WALL

protected static final int **HEIGHT_OF_WALL**

The height of the wall in the same distance unit as the rectangleHeight.
Constant value: **25**

X_OFFSET

protected static final int **X_OFFSET**

Distance between left border of the canvas and the left border of the drawing area.
Constant value: **4**

TOP_OFFSET

protected static final int **TOP_OFFSET**

Distance between the top border of the canvas and the top border of the drawing area.
Constant value: **29**

(continued from last page)

BOTTOM_OFFSET

```
protected static final int BOTTOM_OFFSET
```

Minimum distance between the bottom border of the canvas and the bottom border of the drawing area.
Constant value: **29**

SWIPE_THRESHOLD

```
protected static final int SWIPE_THRESHOLD
```

Threshold in pixels to decide when a large enough swipe has been carried out to define a protocol step.
Constant value: **20**

tool

```
protected nl.tue.fingerpaint.client.model.drawingtool.DrawingTool tool
```

The current drawing tool

toolImage

```
protected com.google.gwt.dom.client.ImageElement toolImage
```

The image to draw with

displacement

```
protected int displacement
```

The extra width of the drawing tool. Equal to $\text{factor} * \text{tool.radius}$

currentColor

```
protected nl.tue.fingerpaint.shared.utils.Colour currentColor
```

The current colour to draw with

swipeStartX

```
protected int swipeStartX
```

Stores the x-coordinate of the mouse event that initiates a wall movement.

swipeStartY

```
protected int swipeStartY
```

Stores the y-coordinate of the mouse event that initiates a wall movement.

wallColor

```
protected static nl.tue.fingerpaint.shared.utils.Colour wallColor
```

The background colour of the walls

(continued from last page)

wallStripeColor

```
protected static nl.tue.fingerpaint.shared.utils.Colour wallStripeColor
```

The colour of the arrows on the walls

STRIPE_WIDTH

```
protected static int STRIPE_WIDTH
```

The width of the arrows on the walls

STRIPE_INTERVAL

```
protected static int STRIPE_INTERVAL
```

The distance between two arrows

STRIPE_SLOPE

```
protected static int STRIPE_SLOPE
```

The total width of a single arrow

stepAddedListeners

```
protected java.util.ArrayList stepAddedListeners
```

ArrayList of stepAddedListeners connected to this geometry

Constructors

Geometry

```
protected Geometry(int clientHeight,  
                   int clientWidth)
```

Creates a new Geometry, initial colour is black.

Parameters:

clientHeight - The height of the window in which the application is displayed
clientWidth - The width of the window in which the application is displayed

Methods

initialise

```
protected void initialise(int clientWidth,  
                           int clientHeight,  
                           int internalWidth,  
                           int internalHeight)
```

Initialise the canvas to the given size.

Parameters:

clientWidth - Width of canvas.
clientHeight - Height of canvas.
internalWidth - Actual width of the canvas (internally).
internalHeight - Actual height of the canvas (internally).

updateSize

```
protected abstract void updateSize(int clientWidth,  
                                     int clientHeight)
```

Updates the internal canvas size, which is dependent on the actual (physical) size of the canvas. This size is given as parameters.

Parameters:

`clientWidth` - The width of the canvas element.
`clientHeight` - The height of the canvas element.

repaint

```
public void repaint()
```

Update the contents of the canvas with those of the internal representation.

resize

```
public void resize(int clientWidth,  
                  int clientHeight)
```

Resizes the canvas. Does *not* resize the internal width or height.

Parameters:

`clientWidth` - The width of the canvas element.
`clientHeight` - The height of the canvas element.

getCanvas

```
public com.google.gwt.canvas.client.Canvas getCanvas()
```

Returns the canvas belonging to this Geometry

Returns:

The canvas belonging to this Geometry

setDrawingToolSize

```
public void setDrawingToolSize(int size)
```

Sets the size of the drawing tool

Parameters:

`size` - The size to set

getColor

```
public Colour getColor()
```

Returns the current drawing colour

Returns:

The current colour which is used for drawing

(continued from last page)

setColor

```
public void setColor(Colour colour)
```

Sets the current drawing colour

Parameters:

colour - The colour which becomes the current drawing colour

getDistribution

```
public abstract int[] getDistribution()
```

Returns the distribution

Returns:

The distribution of this geometry

getBaseHeight

```
public abstract int getBaseHeight()
```

Returns the base height of the geometry

Returns:

The minimum height of this geometry

getBaseWidth

```
public abstract int getBaseWidth()
```

Returns the base width of the geometry

Returns:

The minimum width of this geometry

getHeight

```
public abstract int getHeight()
```

Returns the total height of the drawing area

Returns:

total height of the drawing area

getWidth

```
public abstract int getWidth()
```

Returns the total width of the drawing area

Returns:

total width of the drawing area

setDrawingTool

```
public void setDrawingTool(DrawingTool tool)
```

(continued from last page)

Sets the drawing tool

Parameters:

`tool` - The tool to set as the drawing tool

createCanvas

```
protected void createCanvas(int height,  
    int width,  
    int internalHeight,  
    int internalWidth)
```

Initialisation method which creates the canvas. If the browser doesn't support HTML5 canvas, adds a message stating this to the RootPanel and returns.

Parameters:

`height` - The height of the canvas to be created

`width` - The width of the canvas to be created

`internalHeight` - The internal (actual) height of the canvas to be created

`internalWidth` - The internal (actual) width of the canvas to be created

onDragStart

```
public void onDragStart(int x,  
    int y)
```

Code to execute on a MouseDown event.

Parameters:

`x` - The x-coordinate of the event, relative to the canvas

`y` - The y-coordinate of the event, relative to the canvas

isInsideWall

```
public abstract boolean isInsideWall(int x,  
    int y)
```

Returns whether the point (x, y) is inside one of the walls.

Parameters:

`x` - The x-coordinate of the event, relative to the canvas.

`y` - The y-coordinate of the event, relative to the canvas.

Returns:

whether the point (x, y) is inside one of the walls.

onDragEnd

```
public void onDragEnd(int x,  
    int y)
```

Code to execute on a MouseUp event.

Parameters:

`x` - The x-coordinate of the event, relative to the canvas

`y` - The y-coordinate of the event, relative to the canvas

(continued from last page)

onDragMove

```
public void onDragMove(int x,  
                        int y)
```

Code to execute on a MouseMove event.

Parameters:

x - The x-coordinate of the event, relative to the canvas

y - The y-coordinate of the event, relative to the canvas

onDragOut

```
public void onDragOut()
```

Code to execute on a MouseOut event.

fillWall

```
protected abstract void fillWall(int x)
```

Colours the inside of one of the walls of the geometry.

Parameters:

x - The x-distance to the initial position

drawWalls

```
protected abstract void drawWalls()
```

Draws the outline around the walls

drawGeometryOutline

```
protected abstract void drawGeometryOutline()
```

Draws the border around the drawing area

clipGeometryOutline

```
protected abstract void clipGeometryOutline()
```

Clips the drawing area, so that drawing outside of the drawing area is not possible

removeClippingArea

```
protected void removeClippingArea()
```

Clips the entire canvas

isInsideDrawingArea

```
protected abstract boolean isInsideDrawingArea(int x,  
                                                int y)
```

Returns whether the position (x, y) is inside the drawing area on the canvas.

Parameters:

x - The x-coordinate relative to the top-left corner of the canvas

(continued from last page)

y - The y-coordinate relative to the top-left corner of the canvas

Returns:

true if coordinates (x, y) are inside the drawing area. false otherwise.

startDefineMixingStep

```
protected void startDefineMixingStep(int mouseX,  
                                     int mouseY)
```

Together with stopDefineMixingStep(), this function checks whether the protocol should be updated by adding a new Step. This particular function only stores the coordinates of the press event, to calculate the distance travelled when the mouse or the user's finger is lifted from the canvas.

Parameters:

mouseX - x-coordinate of the MouseEvent.

mouseY - y-coordinate of the MouseEvent.

stopDefineMixingStep

```
protected abstract void stopDefineMixingStep(int mouseX,  
                                              int mouseY)
```

Together with startDefineMixingStep(), this function checks whether the protocol should be updated by adding a new Step. This particular function should be implemented by geometries to detail when and how a new Step should be defined.

Parameters:

mouseX - x-coordinate of the MouseEvent.

mouseY - y-coordinate of the MouseEvent.

determineSwipe

```
protected abstract MixingStep determineSwipe(int mouseX,  
                                              int mouseY)
```

Should return the direction and wall of the current swiping movement. should return null if the swipe is not a valid swipe. This method should additionally draw a graphic to display that a swiping motion is in progress

Parameters:

mouseX - The x-coordinate of the current mouse position.

mouseY - The y-coordinate of the current mouse position.

Returns:

The direction and wall of the current swiping movement, or null if the swipe is not valid.

getInternalXCoord

```
public int getInternalXCoord(int canvasX)
```

Convert an X-coordinate in the actual drawing area into a valid X- coordinate in the internal canvas.

Parameters:

canvasX - X-coordinate in the drawing area of the canvas.

Returns:

The given X-coordinate, translated to the internal canvas size.

(continued from last page)

getInternalYCoord

```
public int getInternalYCoord(int canvasY)
```

Convert an Y-coordinate in the actual drawing area into a valid Y- coordinate in the internal canvas.

Parameters:

canvasY - Y-coordinate in the drawing area of the canvas.

Returns:

The given Y-coordinate, translated to the internal canvas size.

drawDistribution

```
public abstract void drawDistribution(int[] dist)
```

Sets the given distribution as the current distribution, and draws it on the canvas

Parameters:

dist - The distribution to be set and drawn

getSvgCanvasImage

```
public abstract java.lang.String getSvgCanvasImage()
```

Returns the string representation of the .svg image of the canvas

Returns:

The string representation of the .svg image of the canvas

resetDistribution

```
public abstract void resetDistribution()
```

Resets the current distribution to all white

addStepAddedListener

```
public void addStepAddedListener(Geometry.StepAddedListener l)
```

Adds a stepAddedListener to the list of listeners.

Parameters:

l - The listener to be added

removeStepAddedListener

```
public void removeStepAddedListener(Geometry.StepAddedListener l)
```

Removes a stepAddedListner from the list of listeners.

Parameters:

l - The listener to be removed

putImage

```
public void putImage(com.google.gwt.dom.client.ImageElement img)
```

(continued from last page)

Put the given image on the canvas. This image is not scaled, but put on the canvas as it is.

Parameters:

`img` - The image to put on the canvas.

nl.tue.fingerpaint.client.model Interface Geometry.StepAddedListener

public interface **Geometry.StepAddedListener**
extends

Interface for a listener for protocol steps

Method Summary

| | |
|------|---|
| void | onStepAdded (MixingStep step) |
| | Code to execute when a mixing step is being added to the protocol |

Methods

onStepAdded

public void **onStepAdded**([MixingStep](#) step)

Code to execute when a mixing step is being added to the protocol

Parameters:

step - The mixing step that is being added.

nl.tue.fingerpaint.client.model

Class RectangleGeometry

```
java.lang.Object
```

```
├─nl.tue.fingerpaint.client.model.Geometry
│   └─nl.tue.fingerpaint.client.model.RectangleGeometry
```

```
public class RectangleGeometry
extends Geometry
```

Class that represents the rectangular geometry. Keeps the internal representation in a vector. Also contains the canvas and methods to draw on it.

Field Summary

| | |
|-----------|---|
| protected | topWallStep true if the top wall is being moved, false otherwise |
|-----------|---|

Fields inherited from class [nl.tue.fingerpaint.client.model.Geometry](#)

[BOTTOM_OFFSET](#), [canvas](#), [canvasHeight](#), [canvasWidth](#), [context](#), [currentColor](#), [displacement](#), [HEIGHT_OF_WALL](#), [internalCanvas](#), [internalContext](#), [stepAddedListeners](#), [STRIPE_INTERVAL](#), [STRIPE_SLOPE](#), [STRIPE_WIDTH](#), [SWIPE_THRESHOLD](#), [swipeStartX](#), [swipeStartY](#), [tool](#), [toolImage](#), [TOP_OFFSET](#), [wallColor](#), [wallStripeColor](#), [X_OFFSET](#)

Constructor Summary

| | |
|--------|---|
| public | RectangleGeometry (int clientHeight, int clientWidth, int vertCells, int horCells) Uses constructor from super class (Geometry.java) |
|--------|---|

Method Summary

| | |
|----------------------------|---|
| void | clipGeometryOutline () Clips the drawing area, so that drawing outside of the drawing area is not possible |
| MixingStep | determineSwipe (int mouseX, int mouseY) Returns the direction and wall of the current swiping movement, returns null if the swipe is not a valid swipe. |
| void | drawDistribution (int[] dist) Sets the given distribution as the current distribution, and draws it on the canvas Pre: dist.length == height * width of this rectangle |
| void | drawGeometryOutline () Draws a rectangle on the canvas, starting at the upper left corner, with the total height and width of the drawing area. |
| void | drawWalls () Draws the outline around the walls |
| void | fillWall (int x) |

| | |
|------------------|--|
| void | <u>fillWall</u> (int xOffset, boolean topWall) Colours the inside of one of the walls of the geometry. |
| int | <u>getBaseHeight</u> () Returns the base height of the geometry |
| int | <u>getBaseWidth</u> () Returns the base width of the geometry |
| int[] | <u>getDistribution</u> () Get the current distribution from the canvas, and puts it in the distribution. |
| int | <u>getHeight</u> () |
| java.lang.String | <u>getSvgCanvasImage</u> () Returns the string representation of the .svg image of the canvas |
| int | <u>getWidth</u> () |
| boolean | <u>isInsideBottomWall</u> (int x, int y) Returns whether the position (x, y) is inside the bottom wall on the canvas. |
| boolean | <u>isInsideDrawingArea</u> (int x, int y) Returns whether the position (x, y) is inside the drawing area on the canvas. |
| boolean | <u>isInsideTopWall</u> (int x, int y) Returns whether the position (x, y) is inside the top wall on the canvas. |
| boolean | <u>isInsideWall</u> (int x, int y) |
| void | <u>repaint</u> () |
| void | <u>resetDistribution</u> () Resets the current distribution to all white. |
| void | <u>startDefineMixingStep</u> (int mouseX, int mouseY) |
| void | <u>stopDefineMixingStep</u> (int mouseX, int mouseY) Checks whether a new Step should be added. |
| void | <u>updateSize</u> (int clientWidth, int clientHeight) |

Methods inherited from class [nl.tue.fingerpaint.client.model.Geometry](#)

[addStepAddedListener](#), [clipGeometryOutline](#), [createCanvas](#), [determineSwipe](#), [drawDistribution](#), [drawGeometryOutline](#), [drawWalls](#), [fillWall](#), [getBaseHeight](#), [getBaseWidth](#), [getCanvas](#), [getColor](#), [getDistribution](#), [getHeight](#), [getInternalXCoord](#), [getInternalYCoord](#), [getSvgCanvasImage](#), [getWidth](#), [initialise](#), [isInsideDrawingArea](#), [isInsideWall](#), [onDragEnd](#), [onDragMove](#), [onDragOut](#), [onDragStart](#), [putImage](#), [removeClippingArea](#), [removeStepAddedListener](#), [repaint](#), [resetDistribution](#), [resize](#), [setColor](#), [setDrawingTool](#), [setDrawingToolSize](#), [startDefineMixingStep](#), [stopDefineMixingStep](#), [updateSize](#)

Methods inherited from class [java.lang.Object](#)

```
clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait
```

Fields

topWallStep

protected boolean **topWallStep**

true if the top wall is being moved, false otherwise

Constructors

RectangleGeometry

```
public RectangleGeometry(int clientHeight,  
                          int clientWidth,  
                          int vertCells,  
                          int horCells)
```

Uses constructor from super class (Geometry.java)

Parameters:

clientHeight - The height of the window in which the application is displayed

clientWidth - The width of the window in which the application is displayed

vertCells - Number of vertical cells.

horCells - Number of horizontal cells.

Methods

getBaseHeight

```
public int getBaseHeight()
```

Returns the base height of the geometry

Returns:

The minimum height of this geometry

getBaseWidth

```
public int getBaseWidth()
```

Returns the base width of the geometry

Returns:

The minimum width of this geometry

getHeight

```
public int getHeight()
```

Returns the total height of the drawing area

(continued from last page)

getWidth

```
public int getWidth()
```

Returns the total width of the drawing area

getDistribution

```
public int[] getDistribution()
```

Get the current distribution from the canvas, and puts it in the distribution.

Returns:

The current concentration distribution

repaint

```
public void repaint()
```

Update the contents of the canvas with those of the internal representation.

updateSize

```
protected void updateSize(int clientWidth,  
                           int clientHeight)
```

Updates the internal canvas size, which is dependent on the actual (physical) size of the canvas. This size is given as parameters.

isInsideDrawingArea

```
public boolean isInsideDrawingArea(int x,  
                                    int y)
```

Returns whether the position (x, y) is inside the drawing area on the canvas. Note: The border around the drawing area counts as 'outside'.

Returns:

True if coordinates (x, y) are inside the rectangular shaped drawing area. False otherwise.

isInsideWall

```
public boolean isInsideWall(int x,  
                             int y)
```

Returns whether the point (x, y) is inside one of the walls.

isInsideTopWall

```
protected boolean isInsideTopWall(int x,  
                                   int y)
```

Returns whether the position (x, y) is inside the top wall on the canvas.

Parameters:

- x - The x-coordinate relative to the top-left corner of the canvas
- y - The y-coordinate relative to the top-left corner of the canvas

Returns:

(continued from last page)

true if coordinates (x, y) are inside the top wall. false otherwise.

isInsideBottomWall

```
protected boolean isInsideBottomWall(int x,  
                                       int y)
```

Returns whether the position (x, y) is inside the bottom wall on the canvas.

Parameters:

- x - The x-coordinate relative to the top-left corner of the canvas
- y - The y-coordinate relative to the top-left corner of the canvas

Returns:

true if coordinates (x, y) are inside the bottom wall. false otherwise.

drawWalls

```
protected void drawWalls()
```

Draws the outline around the walls

fillWall

```
protected void fillWall(int x)
```

Colours the inside of one of the walls of the geometry.

fillWall

```
protected void fillWall(int xOffset,  
                        boolean topWall)
```

Colours the inside of one of the walls of the geometry.

Parameters:

- xOffset - The x-distance to the initial position
- topWall - true if the top wall has to be filled, false otherwise

drawGeometryOutline

```
protected void drawGeometryOutline()
```

Draws a rectangle on the canvas, starting at the upper left corner, with the total height and width of the drawing area. Note: The 0.5 and 1.5 coordinates are necessary to get solid black lines. If you just use 0 and 1, the lines appear gray instead of black, and the right and bottom lines are two pixels wide instead of 1.

clipGeometryOutline

```
protected void clipGeometryOutline()
```

Clips the drawing area, so that drawing outside of the drawing area is not possible

startDefineMixingStep

```
protected void startDefineMixingStep(int mouseX,  
                                       int mouseY)
```

(continued from last page)

Together with `stopDefineMixingStep()`, this function checks whether the protocol should be updated by adding a new Step. This particular function only stores the coordinates of the press event, to calculate the distance travelled when the mouse or the user's finger is lifted from the canvas.

stopDefineMixingStep

```
protected void stopDefineMixingStep(int mouseX,  
                                     int mouseY)
```

Checks whether a new Step should be added. If the MouseEvent's coordinates are near the top of the rectangular geometry, a TOP mixing step is generated; if it is near the bottom, a BOTTOM is generated. The direction of movement decides whether the movement is to the left or to the right.

determineSwipe

```
protected MixingStep determineSwipe(int mouseX,  
                                     int mouseY)
```

Returns the direction and wall of the current swiping movement, returns null if the swipe is not a valid swipe. Additionally draws an arrow to indicate the direction of the current swipe

Parameters:

mouseX - The x-coordinate of the current mouse position.

mouseY - The y-coordinate of the current mouse position.

drawDistribution

```
public void drawDistribution(int[] dist)
```

Sets the given distribution as the current distribution, and draws it on the canvas

Pre: `dist.length == height * width` of this rectangle

Parameters:

dist - The distribution to be set and drawn

getSvgCanvasImage

```
public java.lang.String getSvgCanvasImage()
```

Returns the string representation of the .svg image of the canvas

Returns:

The string representation of the .svg image of the canvas

resetDistribution

```
public void resetDistribution()
```

Resets the current distribution to all white. Equivalent to calling `drawDistribution` with a `dist` parameter containing '255' at all indices (but faster)

Package

**nl.tue.fingerpaint.client.model.drawingto
ol**

nl.tue.fingerpaint.client.model.drawingtool

Class CircleDrawingTool

```
java.lang.Object
```

```
├-nl.tue.fingerpaint.client.model.drawingtool.DrawingTool
│
└-nl.tue.fingerpaint.client.model.drawingtool.CircleDrawingTool
```

```
public class CircleDrawingTool
extends DrawingTool
```

A CircleDrawingTool is a [DrawingTool](#) with a circular shape. Users can thus use this drawing tool to draw circles on the canvas.

Fields inherited from class [nl.tue.fingerpaint.client.model.drawingtool.DrawingTool](#)

[radius](#)

Constructor Summary

| | |
|--------|---|
| public | CircleDrawingTool (int r) Constructs a circle drawing tool with radius r |
|--------|---|

Method Summary

| | |
|--|--|
| com.google.gwt.canvas.dom.client.ImageData | getTool (com.google.gwt.canvas.dom.client.ImageData img, Colour colour) Returns an ImageData object representing the circle drawing tool. |
|--|--|

Methods inherited from class [nl.tue.fingerpaint.client.model.drawingtool.DrawingTool](#)

[fillPixel](#), [getRadius](#), [getTool](#), [setRadius](#)

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

CircleDrawingTool

```
public CircleDrawingTool(int r)
```

Constructs a circle drawing tool with radius r

Parameters:

r - The radius of the drawing tool

Methods

(continued from last page)

getTool

```
public com.google.gwt.canvas.dom.client.ImageData  
getTool(com.google.gwt.canvas.dom.client.ImageData img,  
        Colour colour)
```

Returns an ImageData object representing the circle drawing tool.

Parameters:

img - The ImageData object to draw the drawing tool on

colour - The colour to create the drawing tool with

nl.tue.fingerpaint.client.model.drawingtool

Class DrawingTool

java.lang.Object

└─nl.tue.fingerpaint.client.model.drawingtool.DrawingTool

Direct Known Subclasses:

[CircleDrawingTool](#), [SquareDrawingTool](#)

public abstract class **DrawingTool**
extends java.lang.Object

A DrawingTool is a shape that a user can use to draw on the canvas. When clicking on the canvas, the shape represented by a DrawingTool is put on the canvas where the user clicked. In the same manner, shapes are put on the canvas while the user drags the mouse or finger over the canvas.

Field Summary

| | |
|-----------|---|
| protected | radius The radius of the drawing tool. |
|-----------|---|

Constructor Summary

| | |
|--------|--|
| public | DrawingTool (int radius) Constructs a drawing tool with radius r. |
|--------|--|

Method Summary

| | |
|--|--|
| void | fillPixel (com.google.gwt.canvas.dom.client.CanvasPixelArray data, int index, int col, int alpha) Fills all the indices corresponding to a pixel in the canvaspixelarray. |
| int | getRadius () Gives the radius of this drawing tool. |
| abstract com.google.gwt.canvas. dom.client.ImageData | getTool (com.google.gwt.canvas.dom.client.ImageData img, Colour colour) Returns an ImageData object representing the drawing tool |
| void | setRadius (int r) Change the radius of this drawing tool. |

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

radius

protected int **radius**

(continued from last page)

The radius of the drawing tool.

Constructors

DrawingTool

```
public DrawingTool(int radius)
```

Constructs a drawing tool with radius r.

Parameters:

radius - The radius of the drawing tool

Methods

getRadius

```
public int getRadius()
```

Gives the radius of this drawing tool.

Returns:

The radius of the drawing tool

setRadius

```
public void setRadius(int r)
```

Change the radius of this drawing tool.

Parameters:

r - The new radius of the drawing tool

fillPixel

```
protected void fillPixel(com.google.gwt.canvas.dom.client.CanvasPixelArray data,  
    int index,  
    int col,  
    int alpha)
```

Fills all the indices corresponding to a pixel in the canvaspixelarray. This is a convenience method to write grey values to the canvas. Normally, you have to write the RGB values separately to the array, but for grey values $R == G == B$ of course. This method handles that.

Parameters:

data - The array to put the values in
index - The first index to change in the array
col - The colour code to put in the array
alpha - The alpha value to put in the array

getTool

```
public abstract com.google.gwt.canvas.dom.client.ImageData  
getTool(com.google.gwt.canvas.dom.client.ImageData img,  
    Colour colour)
```

Returns an ImageData object representing the drawing tool

Parameters:

(continued from last page)

`img` - The ImageData object to draw the drawing tool on

`colour` - The colour to create the drawing tool with

Returns:

An ImageData object representing this drawing tool, with colour colour

nl.tue.fingerpaint.client.model.drawingtool

Class SquareDrawingTool

java.lang.Object

```

  +--nl.tue.fingerpaint.client.model.drawingtool.DrawingTool
      +--nl.tue.fingerpaint.client.model.drawingtool.SquareDrawingTool

```

public class **SquareDrawingTool**
 extends [DrawingTool](#)

A SquareDrawingTool is a [DrawingTool](#) with a square shape. Users can thus use this drawing tool to draw squares on the canvas.

Fields inherited from class [nl.tue.fingerpaint.client.model.drawingtool.DrawingTool](#)

[radius](#)

Constructor Summary

| | |
|--------|---|
| public | SquareDrawingTool (int r) Constructs a square drawing tool with a size of r. |
|--------|---|

Method Summary

| | |
|--|---|
| com.google.gwt.canvas.dom.client.ImageData | getTool (com.google.gwt.canvas.dom.client.ImageData img, Colour colour) Returns an ImageData object representing the square drawing tool |
|--|---|

Methods inherited from class [nl.tue.fingerpaint.client.model.drawingtool.DrawingTool](#)

[fillPixel](#), [getRadius](#), [getTool](#), [setRadius](#)

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

SquareDrawingTool

public **SquareDrawingTool**(int r)

Constructs a square drawing tool with a size of r.

Parameters:

r - The height (and width) of the drawing tool.

Methods

(continued from last page)

getTool

```
public com.google.gwt.canvas.dom.client.ImageData  
getTool(com.google.gwt.canvas.dom.client.ImageData img,  
        Colour colour)
```

Returns an ImageData object representing the square drawing tool

Parameters:

img - The ImageData object to draw the drawing tool on

colour - The colour to create the drawing tool with

Package

nl.tue.fingerpaint.client.resources

nl.tue.fingerpaint.client.resources Interface FingerpaintCellBrowserResources

public interface **FingerpaintCellBrowserResources**
extends com.google.gwt.user.cellview.client.CellBrowser.Resources

The FingerpaintCellBrowserResources can be used when constructing CellBrowsers to obtain the custom Fingerpaint style.

Method Summary

| | |
|---|------------------------------------|
| com.google.gwt.user.cellview.client.CellBrowser.Style | cellBrowserStyle() |
|---|------------------------------------|

Methods inherited from interface com.google.gwt.user.cellview.client.CellBrowser.Resources

cellBrowserClosed, cellBrowserOpen, cellBrowserOpenBackground,
cellBrowserSelectedBackground, cellBrowserStyle

Methods

cellBrowserStyle

public com.google.gwt.user.cellview.client.CellBrowser.Style **cellBrowserStyle()**

Returns:

Resource that provides the custom Fingerpaint styling for CellBrowsers.

nl.tue.fingerprint.client.resources Interface FingerprintCellListResources

public interface **FingerprintCellListResources**
extends `com.google.gwt.user.cellview.client.CellList.Resources`

The `FingerprintCellListResources` can be used when constructing `CellLists` to obtain the custom Fingerprint style.

Method Summary

| | |
|---|--|
| <code>com.google.gwt.user.cellview.client.CellList.Style</code> | <code>cellListStyle()</code> |
|---|--|

Methods inherited from interface `com.google.gwt.user.cellview.client.CellList.Resources`

`cellListSelectedBackground`, `cellListStyle`

Methods

cellListStyle

public `com.google.gwt.user.cellview.client.CellList.Style` **cellListStyle()**

Returns:

Resource that provides the custom Fingerprint styling for `CellLists`.

nl.tue.fingerprint.client.resources Interface FingerprintConstants

public interface **FingerprintConstants**
extends com.google.gwt.i18n.client.Constants

The FingerprintConstants are a set of localised constants. They can be used in the GUI for I18N for example.

Field Summary

| | |
|----------------------------------|--|
| <code>public static final</code> | <u>INSTANCE</u> An instance that can be used to obtain constants. |
|----------------------------------|--|

Method Summary

| | |
|-------------------------------|---|
| <code>java.lang.String</code> | <u>btnBack()</u> |
| <code>java.lang.String</code> | <u>btnCancel()</u> |
| <code>java.lang.String</code> | <u>btnClose()</u> |
| <code>java.lang.String</code> | <u>btnCompare()</u> |
| <code>java.lang.String</code> | <u>btnComparePerfomance()</u> |
| <code>java.lang.String</code> | <u>btnDefProt()</u> |
| <code>java.lang.String</code> | <u>btnDists()</u> |
| <code>java.lang.String</code> | <u>btnExportDist()</u> |
| <code>java.lang.String</code> | <u>btnExportGraph()</u> |
| <code>java.lang.String</code> | <u>btnExportGraphs()</u> |
| <code>java.lang.String</code> | <u>btnLoadDist()</u> |
| <code>java.lang.String</code> | <u>btnLoadProt()</u> |
| <code>java.lang.String</code> | <u>btnLoadResults()</u> |
| <code>java.lang.String</code> | <u>btnMixNow()</u> |
| <code>java.lang.String</code> | <u>btnNewCompare()</u> |
| <code>java.lang.String</code> | <u>btnOverwrite()</u> |

| | |
|------------------|---|
| java.lang.String | <u>btnProtocols()</u> |
| java.lang.String | <u>btnRemoveInitDistButton()</u> |
| java.lang.String | <u>btnRemoveResults()</u> |
| java.lang.String | <u>btnRemoveSavedProtButton()</u> |
| java.lang.String | <u>btnResetDist()</u> |
| java.lang.String | <u>btnResetProt()</u> |
| java.lang.String | <u>btnResults()</u> |
| java.lang.String | <u>btnSave()</u> |
| java.lang.String | <u>btnSaveDist()</u> |
| java.lang.String | <u>btnSaveProt()</u> |
| java.lang.String | <u>btnSaveResults()</u> |
| java.lang.String | <u>btnSelectTool()</u> |
| java.lang.String | <u>btnStopDefProt()</u> |
| java.lang.String | <u>btnViewSingleGraph()</u> |
| java.lang.String | <u>capacityExceeded()</u> |
| java.lang.String | <u>classMenuTitleLabel()</u> |
| java.lang.String | <u>deleteSuccess()</u> |
| java.lang.String | <u>errorOccured()</u> |
| java.lang.String | <u>flexFileName()</u> |
| java.lang.String | <u>flexRemove()</u> |
| java.lang.String | <u>geometryUnsupported()</u> |
| java.lang.String | <u>lblDistributions()</u> |
| java.lang.String | <u>lblLoad()</u> |
| java.lang.String | <u>lblNrSteps()</u> |

| | |
|------------------|--|
| java.lang.String | lblProtocol() |
| java.lang.String | lblProtocols() |
| java.lang.String | lblRemoving() |
| java.lang.String | lblResults() |
| java.lang.String | lblSaving() |
| java.lang.String | lblStepSize() |
| java.lang.String | lblTool() |
| java.lang.String | loadingGeometries() |
| java.lang.String | loadingGraphFailed() |
| java.lang.String | nameInUse() |
| java.lang.String | nameInUseError() |
| java.lang.String | noFilesFound() |
| java.lang.String | nonexistantKeyError() |
| java.lang.String | notInitialisedError() |
| java.lang.String | notReachServer() |
| java.lang.String | prepareData() |
| java.lang.String | quotaExceededError() |
| java.lang.String | runSimulation() |
| java.lang.String | saveSuccess() |
| java.lang.String | simulationRequestTimeout() |
| java.lang.String | unknownError() |

Fields

INSTANCE

public static final nl.tue.fingerpaint.client.resources.FingerpaintConstants **INSTANCE**

(continued from last page)

An instance that can be used to obtain constants.

Methods

classMenuTitleLabel

```
public java.lang.String classMenuTitleLabel()
```

Returns:

Localised string that is used in the title of the protocol submenu.

loadingGeometries

```
public java.lang.String loadingGeometries()
```

Returns:

Localised string that indicates that the application is loading geometries and mixers from the server.

prepareData

```
public java.lang.String prepareData()
```

Returns:

Localised string that indicates that the application is preparing the data to be send to the server.

runSimulation

```
public java.lang.String runSimulation()
```

Returns:

Localised string that indicates that the application is busy running the simulation.

flexFileName

```
public java.lang.String flexFileName()
```

Returns:

Localised string that contains the text for the first row of the flextable [GuiState.resultsFlexTable](#).

flexRemove

```
public java.lang.String flexRemove()
```

Returns:

Localised string that contains the text for the second row of the flextable [GuiState.resultsFlexTable](#).

lblLoad

```
public java.lang.String lblLoad()
```

Returns:

Localised string that contains the text for the [GuiState.loadLabel](#) label.

lblSaving

```
public java.lang.String lblSaving()
```

Returns:

Localised string that contains the text for the [GuiState.loadLabel](#) label when it is used to indicate that a save action is running.

lblRemoving

```
public java.lang.String lblRemoving()
```

Returns:

Localised string that contains the text for the [GuiState.loadLabel](#) label when it is used to indicate that a remove action is running.

lblNrSteps

```
public java.lang.String lblNrSteps()
```

Returns:

Localised string that contains the text for the [GuiState.nrStepsLabel](#) label.

lblTool

```
public java.lang.String lblTool()
```

Returns:

Localised string that contains the text for the [GuiState.drawingToolLabel](#) label.

lblDistributions

```
public java.lang.String lblDistributions()
```

Returns:

Localised string that contains the text for the [GuiState.distributionsLabel](#) label.

(continued from last page)

lblResults

```
public java.lang.String lblResults()
```

Returns:

Localised string that contains the text for the [GuiState.resultsLabel](#) label.

lblProtocols

```
public java.lang.String lblProtocols()
```

Returns:

Localised string that contains the text for the [GuiState.resultsLabel](#) label.

lblProtocol

```
public java.lang.String lblProtocol()
```

Returns:

Localised string that contains the text for the [GuiState.labelProtocolLabel](#) label.

lblStepSize

```
public java.lang.String lblStepSize()
```

Returns:

Localised string that contains the text for the [GuiState.sizeLabel](#) and [GuiState.sizeProtocolMenuLabel](#) labels.

noFilesFound

```
public java.lang.String noFilesFound()
```

Returns:

Localised string that contains the text for the [GuiState.noFilesFoundLabel](#) label

saveSuccess

```
public java.lang.String saveSuccess()
```

Returns:

Localised string that describes that an item has been saved successfully.

nameInUse

```
public java.lang.String nameInUse()
```

(continued from last page)

Returns:

Localised string that describes that an item could not be saved (because the name was already in use).

nameInUseError

```
public java.lang.String nameInUseError()
```

Returns:

Localised string that is used in an error notification that is shown when a save did not succeed due to the chosen name being in use already.

deleteSuccess

```
public java.lang.String deleteSuccess()
```

Returns:

Localised string that describes that an item has been saved successfully.

btnBack

```
public java.lang.String btnBack()
```

Returns:

Localised string that contains the text for [GuiState.backMenu1Button](#) and [GuiState.backMenu2Button](#).

btnSave

```
public java.lang.String btnSave()
```

Returns:

Localised string that contains the text for a save button.

btnCancel

```
public java.lang.String btnCancel()
```

Returns:

Localised string that contains the text for a cancel button.

btnClose

```
public java.lang.String btnClose()
```

Returns:

Localised string that contains the text for a close button.

btnOverwrite

```
public java.lang.String btnOverwrite()
```

Returns:

Localised string that contains the text for an overwrite button.

btnSelectTool

```
public java.lang.String btnSelectTool()
```

Returns:

Localised string that contains the text for the [GuiState.toolSelectButton](#) button.

btnDists

```
public java.lang.String btnDists()
```

Returns:

Localised string that contains the text for the [GuiState.distributionsButton](#) button.

btnSaveDist

```
public java.lang.String btnSaveDist()
```

Returns:

Localised string that contains the text for the [GuiState.saveDistributionButton](#) button.

btnLoadDist

```
public java.lang.String btnLoadDist()
```

Returns:

Localised string that contains the text for the [GuiState.loadInitDistButton](#) button.

btnRemoveInitDistButton

```
public java.lang.String btnRemoveInitDistButton()
```

Returns:

Localised string that contains the text for the [GuiState.removeInitDistButton](#) button.

btnResetDist

```
public java.lang.String btnResetDist()
```

(continued from last page)

Returns:

Localised string that contains the text for the [GuiState.loadInitDistButton](#) button.

btnResults

```
public java.lang.String btnResults()
```

Returns:

Localised string that contains the text for the [GuiState.resultsButton](#) button.

btnSaveResults

```
public java.lang.String btnSaveResults()
```

Returns:

Localised string that contains the text for the [GuiState.saveResultsButton](#) button.

btnLoadResults

```
public java.lang.String btnLoadResults()
```

Returns:

Localised string that contains the text for the [GuiState.loadResultsButton](#) button.

btnRemoveResults

```
public java.lang.String btnRemoveResults()
```

Returns:

Localised string that contains the text for the [GuiState.removeSavedResultsButton](#) button.

btnProtocols

```
public java.lang.String btnProtocols()
```

Returns:

Localised string that contains the text for the [GuiState.protocolsButton](#) button.

btnSaveProt

```
public java.lang.String btnSaveProt()
```

Returns:

Localised string that contains the text for the [GuiState.saveProtocolButton](#) button.

btnLoadProt

```
public java.lang.String btnLoadProt()
```

Returns:

Localised string that contains the text for the [GuiState.loadProtocolButton](#) button.

btnRemoveSavedProtButton

```
public java.lang.String btnRemoveSavedProtButton()
```

Returns:

Localised string that contains the text for the [GuiState.removeSavedProtButton](#) button.

btnResetProt

```
public java.lang.String btnResetProt()
```

Returns:

Localised string that contains the text for the [GuiState.resetProtocolButton](#) button.

btnMixNow

```
public java.lang.String btnMixNow()
```

Returns:

Localised string that contains the text for the [GuiState.mixNowButton](#) button.

btnViewSingleGraph

```
public java.lang.String btnViewSingleGraph()
```

Returns:

Localised string that contains the text for the [GuiState.viewSingleGraphButton](#) button.

btnExportGraph

```
public java.lang.String btnExportGraph()
```

Returns:

Localised string that contains the text for the [GuiState.exportSingleGraphButton](#) button.

btnExportDist

```
public java.lang.String btnExportDist()
```

(continued from last page)

Returns:

Localised string that contains the text for the [GuiState.exportDistributionButton](#) button.

btnExportGraphs

```
public java.lang.String btnExportGraphs()
```

Returns:

Localised string that contains the text for the [GuiState.exportSingleGraphButton](#) button.

btnComparePerfomance

```
public java.lang.String btnComparePerfomance()
```

Returns:

Localised string that contains the text for the [GuiState.comparePerformanceButton](#) button.

btnCompare

```
public java.lang.String btnCompare()
```

Returns:

Localised string that contains the text for the [GuiState.compareButton](#) button.

btnNewCompare

```
public java.lang.String btnNewCompare()
```

Returns:

Localised string that contains the text for the [GuiState.newCompareButton](#) button.

btnDefProt

```
public java.lang.String btnDefProt()
```

Returns:

Localised string that contains the text for the [GuiState.toggleDefineProtocol](#) button.

btnStopDefProt

```
public java.lang.String btnStopDefProt()
```

Returns:

Localised string that contains the text for the [GuiState.backStopDefiningProtocol](#) button.

simulationRequestTimeout

```
public java.lang.String simulationRequestTimeout()
```

Returns:

Localised string to indicate that a request timeout occurred on the simulation server.

notReachServer

```
public java.lang.String notReachServer()
```

Returns:

Localised string to indicate that the server could not be reached.

errorOccured

```
public java.lang.String errorOccured()
```

Returns:

Localised string to indicate that an error has occurred.

loadingGraphFailed

```
public java.lang.String loadingGraphFailed()
```

Returns:

Localised string to indicate that the mixing performance graph could not be loaded.

capacityExceeded

```
public java.lang.String capacityExceeded()
```

Returns:

Localised string to indicate that saving an item was not successful because the local storage is full.

geometryUnsupported

```
public java.lang.String geometryUnsupported()
```

Returns:

Localised string to indicate that the chosen geometry is unsupported for mixing.

nonexistantKeyError

```
public java.lang.String nonexistantKeyError()
```

(continued from last page)

Returns:

Localised string for the error message that is shown when a key does not exist in local storage.

notInitialisedError

```
public java.lang.String notInitialisedError()
```

Returns:

Localised string for the error message that is shown when the local storage is not initialised.

quotaExceededError

```
public java.lang.String quotaExceededError()
```

Returns:

Localised string for the error message that is shown when the local storage is full.

unknownError

```
public java.lang.String unknownError()
```

Returns:

Localised string for the error message that is shown when an unknown error occurs.

nl.tue.fingerpaint.client.resources

Interface FingerpaintResources

public interface **FingerpaintResources**
 extends com.google.gwt.resources.client.ClientBundle

The FingerpaintResources are a com.google.gwt.resources.client.ClientBundle with all resources used in the Fingerpaint application.

Field Summary

| | |
|---------------------|---|
| public static final | INSTANCE An instance that can be used to obtain resources. |
|---------------------|---|

Method Summary

| | |
|---|------------------------------------|
| com.google.gwt.resources.client.CssResource | css() |
| com.google.gwt.resources.client.ImageResource | loadImageDynamic() |
| com.google.gwt.resources.client.ImageResource | plusImage() |
| com.google.gwt.resources.client.ImageResource | startupImage() |

Fields

INSTANCE

public static final nl.tue.fingerpaint.client.resources.FingerpaintResources **INSTANCE**

An instance that can be used to obtain resources.

Methods

css

public com.google.gwt.resources.client.CssResource **css()**

Returns:

The main CSS resource of the Fingerpaint application.

loadImageDynamic

public com.google.gwt.resources.client.ImageResource **loadImageDynamic()**

(continued from last page)

Returns:

An endless animation that can be used to indicate that the application is busy doing something.

plusImage

```
public com.google.gwt.resources.client.ImageResource plusImage()
```

Returns:

An image of a plus sign. Used in the button that can toggle if the menu is visible or not.

startupImage

```
public com.google.gwt.resources.client.ImageResource startupImage()
```

Returns:

An image that can be put on the canvas when the application loads. It provides instructions on how to use the application.

Package

nl.tue.fingerpaint.client.serverdata

nl.tue.fingerpaint.client.serverdata Class ServerDataCache

java.lang.Object

└-nl.tue.fingerpaint.client.serverdata.ServerDataCache

public class **ServerDataCache**
extends java.lang.Object

A ServerDataCache can obtain data from the server, namely the geometries and mixers that are available. This data will be retrieved only the first time, after that, data is served from a cache that is managed by this class. This class contains only static methods, because retrieving data should go to one central point, which makes instances unnecessary.

Field Summary

| | |
|---------------------------|---|
| protected static | cache Data in cache. |
| protected static | cacheState State of this cache. |
| protected static final | INITIALISED State indicating that the cache has been initialised with data from the server and can be queried now. Value: 2 |
| protected static final | LOADING State indicating that the cache is now initialising, that is, retrieving data from the server. Value: 1 |
| protected static final | NOT_INITIALISED State indicating that the cache is not initialised. Value: 0 |

Method Summary

| | |
|------------------------------|---|
| static java.lang.String[] | getGeometries() Return a list of the available geometries, or null if this cache has not been initialised yet. |
| static java.lang.String[] | getMixers() Return a list of the available mixers, or null if this cache has not been initialised yet. |
| static java.lang.String[] | getMixersForGeometry(java.lang.String geometry) Return a list of all matrices that belong to the given geometry. |
| static void | initialise(com.google.gwt.user.client.rpc.AsyncCallback onInitialised) Initialise the cache. |
| static boolean | isLoading() Return if data has been loaded from the server already. |

Methods inherited from class java.lang.Object

```
clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait
```

Fields

NOT_INITIALISED

```
protected static final int NOT_INITIALISED
```

State indicating that the cache is not initialised.
Constant value: **0**

LOADING

```
protected static final int LOADING
```

State indicating that the cache is now initialising, that is, retrieving data from the server.
Constant value: **1**

INITIALISED

```
protected static final int INITIALISED
```

State indicating that the cache has been initialised with data from the server and can be queried now.
Constant value: **2**

cache

```
protected static nl.tue.fingerpaint.shared.ServerDataResult cache
```

Data in cache.

cacheState

```
protected static int cacheState
```

State of this cache. Can be:

- [NOT_INITIALISED](#)
- [LOADING](#)
- [INITIALISED](#)

Methods

getGeometries

```
public static java.lang.String[] getGeometries()
```

Return a list of the available geometries, or null if this cache has not been initialised yet.

Returns:

a list of available geometries (by name), or null if this cache has not been initialised yet

getMixers

```
public static java.lang.String[] getMixers()
```

Return a list of the available mixers, or null if this cache has not been initialised yet.

Returns:

a list of available mixers (by name), or null if this cache has not been initialised yet

getMixersForGeometry

```
public static java.lang.String[] getMixersForGeometry(java.lang.String geometry)
```

Return a list of all matrices that belong to the given geometry. If this cache has not been initialised yet or the given geometry is not in the list of geometries in this cache, null is returned.

Parameters:

geometry - The geometry to which all returned mixers should belong.

Returns:

a list of mixers that belong to the given geometry, or null if the cache has not been initialised or the given geometry name is unknown (not in the cache)

initialise

```
public static void initialise(com.google.gwt.user.client.rpc.AsyncCallback  
onInitialised)
```

Initialise the cache. When done, fire the given callback.

Parameters:

onInitialised - The callback to fire when the cache is initialised. When null, nothing happens when the cache is initialised (but it will be initialised anyway!).

isLoaded

```
public static boolean isLoaded()
```

Return if data has been loaded from the server already.

Returns:

if data has been loaded from the server or not

Package

nl.tue.fingerpaint.client.storage

nl.tue.fingerpaint.client.storage

Class FileExporter

java.lang.Object

└─nl.tue.fingerpaint.client.storage.FileExporter

public class **FileExporter**
extends java.lang.Object

Utility class that can be used to export files.

Constructor Summary

| | |
|--------|--------------------------------|
| public | FileExporter() |
|--------|--------------------------------|

Method Summary

| | |
|-------------|--|
| static void | exportCanvasImage (com.google.gwt.canvas.client.Canvas canvas) Exports the canvas to a png image |
| static void | exportSvgImage (java.lang.String svg) Exports the line chart that is currently shown on screen as an svg image. " xmlns=\"http://www.w3.org/2000/svg\" version=\"1.1\" \" is automatically added to the resulting svg, so it should not already be present. |

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

FileExporter

public **FileExporter**()

Methods

exportSvgImage

public static void **exportSvgImage**(java.lang.String svg)

Exports the line chart that is currently shown on screen as an svg image. " xmlns=\"http://www.w3.org/2000/svg\" version=\"1.1\" \" is automatically added to the resulting svg, so it should not already be present.

Parameters:

svg - SVG image as a string.

(continued from last page)

exportCanvasImage

```
public static void exportCanvasImage(com.google.gwt.canvas.client.Canvas canvas)
```

Exports the canvas to a png image

Parameters:

canvas - Canvas to export

nl.tue.fingerpaint.client.storage Class FingerpaintJsonizer

java.lang.Object

└─nl.tue.fingerpaint.client.storage.FingerpaintJsonizer

public class **FingerpaintJsonizer**
extends java.lang.Object

Convenience class that provides functions for creating and parsing JSON strings.

Constructor Summary

| | |
|--------|---------------------------------------|
| public | FingerpaintJsonizer() |
|--------|---------------------------------------|

Method Summary

| | |
|---------------------------------------|--|
| static java.lang.Object[] | arrayFromJSONArray (com.google.gwt.json.client.JSONArray jsonArray) Create an array that is represented by the given JSON array. |
| static java.util.HashMap | hahsMapFromString (com.google.gwt.json.client.JSONString jsonHashMap) Create a hash map that is represented by the given JSON string. |
| static java.util.HashMap | hashMapFromJSONObject (com.google.gwt.json.client.JSONObject jsonObj, boolean deep) Create a hash map that is represented by the given JSON object. |
| static java.util.HashMap | hashMapFromString (java.lang.String jsonHashMap) Create a hash map that is represented by the given JSON string. |
| static java.util.HashMap | hashMapFromString (java.lang.String jsonHashMap, boolean deep) Create a hash map that is represented by the given JSON string. |
| static int[] | intArrayFromJSONArray (com.google.gwt.json.client.JSONArray jsonArray) Create an integer array that is represented by the given JSON array. |
| static int[] | intArrayFromString (java.lang.String jsonIntArray) Create an integer array that is represented by the given JSON string. |
| static MixingProtocol | protocolFromString (java.lang.String jsonString) Create a MixingProtocol object that is represented by the given JSON String |
| static ResultStorage | resultStorageFromString (java.lang.String jsonString) Create a ResultStorage object that is represented by the given JSON String |
| static double[] | toDoubleArray (java.lang.Object[] arr) Cast an array of object to an array of double. |
| static int[] | toIntArray (java.lang.Object[] arr) Cast an array of object to an array of int. |
| static java.lang.String | toString (double[] array) Convert a double array to JSON string representation. |

| | |
|----------------------------|--|
| static java.lang.String | toString (java.util.HashMap hashMap) Creates a JSON string that is a representation of the given hash map. |
| static java.lang.String | toString (int[] array) Convert an int array to JSON string representation. |
| static java.lang.String | toString (MixingProtocol protocol) Convert a MixingProtocol object to JSON string representation. |
| static java.lang.String | toString (java.lang.Object object) Creates a JSON string that is a representation of the given object, as good as possible, by looking at the type of the object. |
| static java.lang.String | toString (java.lang.Object[] objects) Creates a JSON string that is a representation of the given array of objects, as good as possible, by looking at the type of the objects. |
| static java.lang.String | toString (ResultStorage result) Convert a StorageResult object to JSON string representation. |

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

FingerpaintJsonizer

```
public FingerpaintJsonizer()
```

Methods

arrayFromJSONArray

```
public static java.lang.Object[]  
arrayFromJSONArray(com.google.gwt.json.client.JSONArray jsonArray)
```

Create an array that is represented by the given JSON array.

Parameters:

jsonArray - A JSON array that can be used as an array in Java.

Returns:

The array that the given JSON array represents.

intArrayFromJSONArray

```
public static int[] intArrayFromJSONArray(com.google.gwt.json.client.JSONArray  
jsonArray)
```

Create an integer array that is represented by the given JSON array. When a value in the array is not a number, 1.0 is used as a default value.

Parameters:

(continued from last page)

`jsonArray` - A JSON array that can be used as an integer array in Java.

Returns:

The integer array that the given JSON array represents.

intArrayFromString

```
public static int[] intArrayFromString(java.lang.String jsonArray)
```

Create an integer array that is represented by the given JSON string. When the given value does not represent an array, null is returned. When a value in the array is not an integer, 1.0 is used as a default value.

Parameters:

`jsonIntArray` - A JSON string that represents an array and can be used as an integer array in Java.

Returns:

The integer array that the given JSON string represents.

hashMapFromJSONObject

```
public static java.util.HashMap  
hashMapFromJSONObject(com.google.gwt.json.client.JSONObject jsonObj,  
    boolean deep)
```

Create a hash map that is represented by the given JSON object.

Parameters:

`jsonObj` - A JSON object that can be used as a hash map in Java.

`deep` - If the hash map should be constructed on all levels, or just the top level.

Returns:

The hash map that the given JSON object represents.

hahsMapFromString

```
public static java.util.HashMap  
hahsMapFromString(com.google.gwt.json.client.JSONString jsonHashMap)
```

Create a hash map that is represented by the given JSON string.

Parameters:

`jsonHashMap` - A JSON string that represents an object and can be used as a hash map in Java.

Returns:

The hash map that the given JSON string represents.

hashMapFromString

```
public static java.util.HashMap hashMapFromString(java.lang.String jsonHashMap)
```

Create a hash map that is represented by the given JSON string.

Parameters:

`jsonHashMap` - A JSON string that represents an object and can be used as a hash map in Java.

Returns:

The hash map that the given JSON string represents. If the string is malformed or does not represent an object, null is returned.

hashMapFromString

```
public static java.util.HashMap hashMapFromString(java.lang.String jsonHashMap,  
boolean deep)
```

Create a hash map that is represented by the given JSON string.

Parameters:

jsonHashMap - A JSON string that represents an object and can be used as a hash map in Java.
deep - If the hash map should be constructed on all levels, or just the top level.

Returns:

The hash map that the given JSON string represents. If the string is malformed or does not represent an object, null is returned.

protocolFromString

```
public static MixingProtocol protocolFromString(java.lang.String jsonString)
```

Create a MixingProtocol object that is represented by the given JSON String

Parameters:

jsonString - A JSON string that represents an object and can be used as a MixingProtocol in Java.

Returns:

The MixingProtocol object that the given JSON string represents. If the string is malformed or does not represent an object, null is returned.

resultStorageFromString

```
public static ResultStorage resultStorageFromString(java.lang.String jsonString)
```

Create a ResultStorage object that is represented by the given JSON String

Parameters:

jsonString - A JSON string that represents an object and can be used as a ResultStorage in Java.

Returns:

The ResultStorage object that the given JSON string represents. If the string is malformed or does not represent an object, null is returned.

toString

```
public static java.lang.String toString(double[] array)
```

Convert a double array to JSON string representation.

Parameters:

array - The array to be JSONised.

Returns:

The JSON string that represents the given array.

toString

```
public static java.lang.String toString(int[] array)
```

Convert an int array to JSON string representation.

(continued from last page)

Parameters:

array - The array to be JSONised.

Returns:

The JSON string that represents the given array.

toString

```
public static java.lang.String toString(MixingProtocol protocol)
```

Convert a MixingProtocol object to JSON string representation.

Parameters:

protocol - The MixingProtocol to be converted to a JSON string.

Returns:

The JSON string that represents the given mixing protocol.

toString

```
public static java.lang.String toString(ResultStorage result)
```

Convert a StorageResult object to JSON string representation.

Parameters:

result - The StorageResult to be converted to a JSON string.

Returns:

The JSON string that represents the given mixing protocol.

toString

```
public static java.lang.String toString(java.util.HashMap hashMap)
```

Creates a JSON string that is a representation of the given hash map.

Parameters:

hashMap - The hash map to be converted to a JSON string.

Returns:

The JSON string that represents the given hash map.

toString

```
public static java.lang.String toString(java.lang.Object object)
```

Creates a JSON string that is a representation of the given object, as good as possible, by looking at the type of the object.

Parameters:

object - The object to be converted to a JSON string.

Returns:

The JSON string that represents the given object.

toString

```
public static java.lang.String toString(java.lang.Object[] objects)
```

(continued from last page)

Creates a JSON string that is a representation of the given array of objects, as good as possible, by looking at the type of the objects.

Parameters:

`objects` - The array of objects to be converted to a JSON string.

Returns:

The JSON string that represents the given objects.

toDoubleArray

```
public static double[] toDoubleArray(java.lang.Object[] arr)
```

Cast an array of object to an array of double. If a value is not an object then 0 is substituted.

Parameters:

`arr` - Array to cast.

Returns:

Best-try casted array.

toIntArray

```
public static int[] toIntArray(java.lang.Object[] arr)
```

Cast an array of object to an array of int. If a value is not an object then 0 is substituted.

Parameters:

`arr` - Array to cast.

Returns:

Best-try casted array.

nl.tue.fingerpaint.client.storage Class FingerpaintZipper

java.lang.Object

└─nl.tue.fingerpaint.client.storage.FingerpaintZipper

```
public class FingerpaintZipper
  extends java.lang.Object
```

Convenience class that provides native JavaScript functions for compressing and decompressing Strings.

Constructor Summary

| | |
|--------|-------------------------------------|
| public | FingerpaintZipper() |
|--------|-------------------------------------|

Method Summary

| | |
|-----------------------------------|---|
| static java.lang.String | unzip (java.lang.String input) Unzips a .zip file, that was zipped by FingerpaintZipper.zip and decompresses its contents. |
| static native java.lang.String | zip (java.lang.String input) Compresses a string and puts it in a .zip file. |

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

FingerpaintZipper

```
public FingerpaintZipper()
```

Methods

zip

```
public static native java.lang.String zip(java.lang.String input)
```

Compresses a string and puts it in a .zip file.

Parameters:

input - The string to compress

Returns:

The compressed string

(continued from last page)

unzip

```
public static java.lang.String unzip(java.lang.String input)
```

Unzips a .zip file, that was zipped by FingerprintZipper.zip and decompresses its contents.

Parameters:

input - The string representation of the .zip file

Returns:

The decompressed content of the .zip file

nl.tue.fingerpaint.client.storage

Class ResultStorage

```
java.lang.Object
```

```
└-nl.tue.fingerpaint.client.storage.ResultStorage
```

```
public class ResultStorage
extends java.lang.Object
```

Class that holds everything needed to store a mixing result.

Constructor Summary

| | |
|--------|--|
| public | <u>ResultStorage()</u> |
|--------|--|

Method Summary

| | |
|---------------------------------------|--|
| int[] | <u>getDistribution()</u> Gives the initial concentration distribution that was used |
| java.lang.String | <u>getGeometry()</u> Gives the long name of the geometry used |
| java.lang.String | <u>getMixer()</u> Gives the name of the mixer used |
| <u>MixingProtocol</u> | <u>getMixingProtocol()</u> Gives the protocol object that was used |
| int | <u>getNrSteps()</u> Gives the number of times the protocol was executed |
| java.lang.String | <u>getProtocol()</u> Gives a string representation of the protocol that was used |
| double[] | <u>getSegregation()</u> Gives the segregation points |
| java.lang.String | <u>getZippedDistribution()</u> Gives the zipped string representation of the initial concentration distribution that was used |
| void | <u>setDistribution(int[] distribution)</u> Sets the initial concentration distribution |
| void | <u>setGeometry(java.lang.String geometry)</u> Sets the geometry name |
| void | <u>setMixer(java.lang.String mixer)</u> Sets the mixer name |
| void | <u>setMixingProtocol(<u>MixingProtocol</u> protocol)</u> Sets the protocol |

| | |
|------|---|
| void | <code>setNrSteps</code> (int nrSteps) Sets the number of times the protocol was executed |
| void | <code>setProtocol</code> (java.lang.String protocol) Sets the protocol |
| void | <code>setSegregation</code> (double[] segregation) Sets the segregation points |
| void | <code>setZippedDistribution</code> (java.lang.String zippedDist) Sets the zipped string representation of the initial concentration distribution |

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

ResultStorage

```
public ResultStorage()
```

Methods

getGeometry

```
public java.lang.String getGeometry()
```

Gives the long name of the geometry used

Returns:

The long name of the geometry used

setGeometry

```
public void setGeometry(java.lang.String geometry)
```

Sets the geometry name

Parameters:

geometry - The geometry to set

getMixer

```
public java.lang.String getMixer()
```

Gives the name of the mixer used

Returns:

The name of the mixer used

(continued from last page)

setMixer

```
public void setMixer(java.lang.String mixer)
```

Sets the mixer name

Parameters:

mixer - The mixer to set

getDistribution

```
public int[] getDistribution()
```

Gives the initial concentration distribution that was used

Returns:

The initial concentration distribution that was used

setDistribution

```
public void setDistribution(int[] distribution)
```

Sets the initial concentration distribution

Parameters:

distribution - The concentration distribution to set

getZippedDistribution

```
public java.lang.String getZippedDistribution()
```

Gives the zipped string representation of the initial concentration distribution that was used

Returns:

The zipped string representation of the initial concentration distribution that was used

setZippedDistribution

```
public void setZippedDistribution(java.lang.String zippedDist)
```

Sets the zipped string representation of the initial concentration distribution

Parameters:

zippedDist - The zipped distribution to set

getProtocol

```
public java.lang.String getProtocol()
```

Gives a string representation of the protocol that was used

Returns:

String representation of the protocol that was used

setProtocol

```
public void setProtocol(java.lang.String protocol)
```

(continued from last page)

Sets the protocol

Parameters:

`protocol` - String representation of the protocol to set

getMixingProtocol

```
public MixingProtocol getMixingProtocol()
```

Gives the protocol object that was used

Returns:

The protocol that was used

setMixingProtocol

```
public void setMixingProtocol(MixingProtocol protocol)
```

Sets the protocol

Parameters:

`protocol` - The protocol object to set

getSegregation

```
public double[] getSegregation()
```

Gives the segregation points

Returns:

Double array with the segregation points

setSegregation

```
public void setSegregation(double[] segregation)
```

Sets the segregation points

Parameters:

`segregation` - Double array containing the segregation points to set

getNrSteps

```
public int getNrSteps()
```

Gives the number of times the protocol was executed

Returns:

The number of times the protocol was executed

setNrSteps

```
public void setNrSteps(int nrSteps)
```

Sets the number of times the protocol was executed

Parameters:

`nrSteps` - The amount to set

nl.tue.fingerpaint.client.storage Class StorageManager

java.lang.Object

└─nl.tue.fingerpaint.client.storage.StorageManager

```
public class StorageManager
extends java.lang.Object
```

A StorageManager manages the local storage in the browser. There is only one instance of the storage manager, that must be used for all interaction with the storage.

The local storage is structured as follows:

- [KEY_INITDIST](#)
 - [GeometryNames.RECT](#)
 - Name of some saved distribution for a rectangular geometry
 - Other name
 - ...
 - [GeometryNames.SQR](#)
 - Name of saved distribution for a square geometry
 - Other name
 - ...
 - [GeometryNames.CIRC](#)
 - Name of saved distribution for a circle geometry
 - Other name
 - ...
 - [GeometryNames.JOBE](#)
 - Name of saved distribution for a journal bearing geometry
 - Other name
 - ...
- [KEY_PROTOCOLS](#)
 - Same structure as for previous key, only with saved protocols instead of saved distributions.
- [KEY_RESULTS](#)
 - Name of saved result
 - Other name
 - ...

Field Summary

| | |
|---------------------|---|
| public static final | ERROR Used to indicate that the local storage cannot be used. Value: -1 |
| protected | firstLevelKeys Keys that are used on the first level. |
| public static final | INITIALISED Used to indicate that the local storage is ready for use. Value: 1 |
| public static | INSTANCE Instance that must be used for interaction with local storage. |

| | |
|---------------------|---|
| public static final | KEY_INITDIST Key on the highest level of the local storage that can be used to obtain/store a list of saved (initial) distributions. Value: INIT |
| public static final | KEY_PROTOCOLS Key on the highest level of the local storage that can be used to obtain/store a list of saved protocols. Value: PROT |
| public static final | KEY_RESULTS Key on the highest level of the local storage that can be used to obtain/store a list of saved results. Value: RES |
| protected | localStorage GWT object that is the actual interface with the local storage. |
| public static final | NAME_IN_USE_ERROR Error code for when the name is in use. Value: 2 |
| public static final | NONEXISTANT_KEY_ERROR Error code for an unknown key in storage. Value: 4 |
| public static final | NOT_INITIALISED Used to indicate that the local storage has not yet been initialised. Value: 0 |
| public static final | NOT_INITIALISED_ERROR Error code for when the storage is not initialised. Value: 1 |
| public static final | QUOTA_EXCEEDED_ERROR Error code for when the storage is full. Value: 3 |
| public static final | SAVE_SUCCESSFUL Error code for successful saves. Value: 0 |
| protected | secondLevelKeys Keys that are used on the second level. |
| protected | state State of the storage. |
| public static final | UNKNOWN_ERROR Error code for other errors. Value: 5 |

Constructor Summary

| | |
|-----------|---|
| protected | StorageManager () Make constructor protected to prevent instantiations of this class. |
|-----------|---|

Method Summary

| | |
|---|---|
| int[] | <code>getDistribution</code> (java.lang.String geometry, java.lang.String key) Return the distribution that is stored with given name, or null if such a distribution does not exist. |
| java.util.List | <code>getDistributions</code> (java.lang.String geometry) Return a list of all distributions stored under the given geometry. |
| <code>MixingProtocol</code> | <code>getProtocol</code> (java.lang.String geometry, java.lang.String key) Return the protocol that is stored with given name, or null if such a protocol does not exist. |
| java.util.ArrayList | <code>getProtocols</code> (java.lang.String geometry) Return a list of all protocols stored under the given geometry. |
| <code>ResultStorage</code> | <code>getResult</code> (java.lang.String key) Return the result that is stored with given name, or null if such a result does not exist. |
| java.util.List | <code>getResults</code> () Return a list of all results stored in the local storage currently. |
| boolean | <code>isNameInUse</code> (java.lang.String firstLevelKey, java.lang.String secondLevelKey, java.lang.String thirdLevelKey) Returns if there is a key at the specified level with given name. |
| int | <code>putDistribution</code> (java.lang.String geometry, java.lang.String key, int[] value) Save an initial distribution to the local storage. |
| int | <code>putDistribution</code> (java.lang.String geometry, java.lang.String key, int[] value, boolean overwrite) Save an initial distribution to the local storage. |
| int | <code>putProtocol</code> (java.lang.String geometry, java.lang.String key, <code>MixingProtocol</code> protocol) Save a mixing protocol to the local storage. |
| int | <code>putProtocol</code> (java.lang.String geometry, java.lang.String key, <code>MixingProtocol</code> protocol, boolean overwrite) Save a mixing protocol to the local storage. |
| int | <code>putResult</code> (java.lang.String key, <code>ResultStorage</code> result) Save a mixing result to the local storage. |
| int | <code>putResult</code> (java.lang.String key, <code>ResultStorage</code> result, boolean overwrite) Save a mixing result to the local storage. |
| boolean | <code>removeDistribution</code> (java.lang.String key, java.lang.String geometry) Remove a distribution with the given name from the local storage. |
| boolean | <code>removeProtocol</code> (java.lang.String key, java.lang.String geometry) Remove a protocol with the given name from the local storage. |
| boolean | <code>removeResult</code> (java.lang.String key) Remove a result with the given name from the local storage. |

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

ERROR

```
public static final int ERROR
```

Used to indicate that the local storage cannot be used.
Constant value: **-1**

NOT_INITIALISED

```
public static final int NOT_INITIALISED
```

Used to indicate that the local storage has not yet been initialised.
Constant value: **0**

INITIALISED

```
public static final int INITIALISED
```

Used to indicate that the local storage is ready for use.
Constant value: **1**

KEY_INITDIST

```
public static final java.lang.String KEY_INITDIST
```

Key on the highest level of the local storage that can be used to obtain/store a list of saved (initial) distributions.
Constant value: **INIT**

KEY_PROTOCOLS

```
public static final java.lang.String KEY_PROTOCOLS
```

Key on the highest level of the local storage that can be used to obtain/store a list of saved protocols.
Constant value: **PROT**

KEY_RESULTS

```
public static final java.lang.String KEY_RESULTS
```

Key on the highest level of the local storage that can be used to obtain/store a list of saved results. A result is a complete application state.
Constant value: **RES**

SAVE_SUCCESSFUL

```
public static final int SAVE_SUCCESSFUL
```

Error code for successful saves.
Constant value: **0**

NOT_INITIALISED_ERROR

```
public static final int NOT_INITIALISED_ERROR
```

Error code for when the storage is not initialised.

(continued from last page)

Constant value: **1**

NAME_IN_USE_ERROR

```
public static final int NAME_IN_USE_ERROR
```

Error code for when the name is in use.
Constant value: **2**

QUOTA_EXCEEDED_ERROR

```
public static final int QUOTA_EXCEEDED_ERROR
```

Error code for when the storage is full.
Constant value: **3**

NONEXISTANT_KEY_ERROR

```
public static final int NONEXISTANT_KEY_ERROR
```

Error code for an unknown key in storage.
Constant value: **4**

UNKNOWN_ERROR

```
public static final int UNKNOWN_ERROR
```

Error code for other errors.
Constant value: **5**

INSTANCE

```
public static nl.tue.fingerpaint.client.storage.StorageManager INSTANCE
```

Instance that must be used for interaction with local storage.

localStorage

```
protected com.google.gwt.storage.client.Storage localStorage
```

GWT object that is the actual interface with the local storage.

state

```
protected int state
```

State of the storage.

firstLevelKeys

```
protected java.lang.String firstLevelKeys
```

Keys that are used on the first level.

secondLevelKeys

```
protected java.lang.String secondLevelKeys
```

Keys that are used on the second level.

Constructors

StorageManager

```
protected StorageManager()
```

Make constructor protected to prevent instantiations of this class.

Methods

getDistribution

```
public int[] getDistribution(java.lang.String geometry,  
                             java.lang.String key)
```

Return the distribution that is stored with given name, or null if such a distribution does not exist.

Parameters:

geometry - The geometry in which the distribution is stored.
key - The name of the saved distribution.

Returns:

The saved distribution, or null if no distribution with the given name was saved. This function will also return null if the storage cannot be used.

getDistributions

```
public java.util.List getDistributions(java.lang.String geometry)
```

Return a list of all distributions stored under the given geometry.

Parameters:

geometry - The geometry under which saved distributions need to be found.

Returns:

A list of all saved distributions (may be an empty list), or null if the given geometry is not at all present in the storage. When the latter happens, you probably asked for a non-existent geometry, because all default geometries are loaded in the storage on initialisation. This function will also return null if the storage cannot be used.

getProtocols

```
public java.util.ArrayList getProtocols(java.lang.String geometry)
```

Return a list of all protocols stored under the given geometry.

Parameters:

geometry - The geometry under which saved protocols need to be found.

Returns:

A list of all saved protocols (may be an empty list), or null if the given geometry is not at all present in the storage. When the latter happens, you probably asked for a non-existent geometry, because all default geometries are loaded in the storage on initialisation. This function will also return null if the storage cannot be used.

getProtocol

```
public MixingProtocol getProtocol(java.lang.String geometry,  
                                   java.lang.String key)
```

Return the protocol that is stored with given name, or null if such a protocol does not exist.

(continued from last page)

Parameters:

geometry - The geometry in which the protocol is stored.
key - The name of the saved protocol.

Returns:

The saved protocol, or null if no protocol with the given name was saved. This function will also return null if the storage cannot be used.

getResults

```
public java.util.List getResults()
```

Return a list of all results stored in the local storage currently.

Returns:

A list of all saved results (may be an empty list), or null if the storage cannot be used.

getResult

```
public ResultStorage getResult(java.lang.String key)
```

Return the result that is stored with given name, or null if such a result does not exist.

Parameters:

key - The name of the saved result.

Returns:

The saved result, or null if no result with the given name was saved. This function will also return null if the storage cannot be used.

putDistribution

```
public int putDistribution(java.lang.String geometry,  
    java.lang.String key,  
    int[] value)
```

Save an initial distribution to the local storage. If the name already exists, do not attempt to overwrite.

Parameters:

geometry - The geometry to store the distribution under.
key - The name of the distribution.
value - The distribution to be saved.

Returns:

- `SAVE_SUCCESSFUL` If saving was successful.
 - `NOT_INITIALISED_ERROR` If the local storage is not initialised.
 - `NAME_IN_USE_ERROR` If the name is already in use.
 - `QUOTA_EXCEEDED_ERROR` If the local storage is full.
 - `NONEXISTANT_KEY_ERROR` If the key does not exist.
 - `UNKNOWN_ERROR` If an error occurs, other than those above.
-

(continued from last page)

putDistribution

```
public int putDistribution(java.lang.String geometry,  
    java.lang.String key,  
    int[] value,  
    boolean overwrite)
```

Save an initial distribution to the local storage. If the name already exists, does overwrite when asked.

Parameters:

geometry - The geometry to store the distribution under.
key - The name of the distribution.
value - The distribution to be saved.
overwrite - If the value should be overwritten if the name is already in use.

Returns:

- `SAVE_SUCCESSFUL` If saving was successful.
- `NOT_INITIALISED_ERROR` If the local storage is not initialised.
- `NAME_IN_USE_ERROR` If the name is already in use.
- `QUOTA_EXCEEDED_ERROR` If the local storage is full.
- `NONEXISTANT_KEY_ERROR` If the key does not exist.
- `UNKNOWN_ERROR` If an error occurs, other than those above.

putProtocol

```
public int putProtocol(java.lang.String geometry,  
    java.lang.String key,  
    MixingProtocol protocol)
```

Save a mixing protocol to the local storage. If the name already exists, do not attempt to overwrite.

Parameters:

geometry - The geometry to store the distribution under.
key - The name of the protocol.
protocol - The protocol to be saved.

Returns:

- `SAVE_SUCCESSFUL` If saving was successful.
- `NOT_INITIALISED_ERROR` If the local storage is not initialised.
- `NAME_IN_USE_ERROR` If the name is already in use.
- `QUOTA_EXCEEDED_ERROR` If the local storage is full.
- `NONEXISTANT_KEY_ERROR` If the key does not exist.
- `UNKNOWN_ERROR` If an error occurs, other than those above.

putProtocol

```
public int putProtocol(java.lang.String geometry,  
    java.lang.String key,  
    MixingProtocol protocol,  
    boolean overwrite)
```

Save a mixing protocol to the local storage. If the name already exists, do not attempt to overwrite.

(continued from last page)

Parameters:

geometry - The short name of the geometry to store the distribution under.
key - The name of the protocol.
protocol - The protocol to be saved.
overwrite - If the value should be overwritten if the name is already in use.

Returns:

- `SAVE_SUCCESSFUL` If saving was successful.
- `NOT_INITIALISED_ERROR` If the local storage is not initialised.
- `NAME_IN_USE_ERROR` If the name is already in use.
- `QUOTA_EXCEEDED_ERROR` If the local storage is full.
- `NONEXISTANT_KEY_ERROR` If the key does not exist.
- `UNKNOWN_ERROR` If an error occurs, other than those above.

putResult

```
public int putResult(java.lang.String key,  
    ResultStorage result)
```

Save a mixing result to the local storage. If the name already exists, do not attempt to overwrite.

Parameters:

key - The name of the result.
result - The result to be saved.

Returns:

- `SAVE_SUCCESSFUL` If saving was successful.
- `NOT_INITIALISED_ERROR` If the local storage is not initialised.
- `NAME_IN_USE_ERROR` If the name is already in use.
- `QUOTA_EXCEEDED_ERROR` If the local storage is full.
- `NONEXISTANT_KEY_ERROR` If the key does not exist.
- `UNKNOWN_ERROR` If an error occurs, other than those above.

putResult

```
public int putResult(java.lang.String key,  
    ResultStorage result,  
    boolean overwrite)
```

Save a mixing result to the local storage. If the name already exists, do not attempt to overwrite.

Parameters:

key - The name of the result.
result - The result to be saved.
overwrite - If the value should be overwritten if the name is already in use.

Returns:

(continued from last page)

- **SAVE_SUCCESSFUL** If saving was successful.
- **NOT_INITIALISED_ERROR** If the local storage is not initialised.
- **NAME_IN_USE_ERROR** If the name is already in use.
- **QUOTA_EXCEEDED_ERROR** If the local storage is full.
- **NONEXISTANT_KEY_ERROR** If the key does not exist.
- **UNKNOWN_ERROR** If an error occurs, other than those above.

removeDistribution

```
public boolean removeDistribution(java.lang.String key,  
    java.lang.String geometry)
```

Remove a distribution with the given name from the local storage.

Parameters:

geometry - The short name of the geometry the distribution resides under.
key - The name of the distribution to remove.

Returns:

True if a distribution with the given name is removed from the storage, false if no distribution with the given name is present in the storage.

removeProtocol

```
public boolean removeProtocol(java.lang.String key,  
    java.lang.String geometry)
```

Remove a protocol with the given name from the local storage.

Parameters:

geometry - The short name of the geometry the protocol resides under.
key - The name of the protocol to remove.

Returns:

True if a protocol with the given name is removed from the storage, false if no protocol with the given name is present in the storage.

removeResult

```
public boolean removeResult(java.lang.String key)
```

Remove a result with the given name from the local storage.

Parameters:

key - The name of the result to remove.

Returns:

True if a result with the given name is removed from the storage, false if no result with the given name is present in the storage.

isNameInUse

```
protected boolean isNameInUse(java.lang.String firstLevelKey,  
    java.lang.String secondLevelKey,  
    java.lang.String thirdLevelKey)
```

(continued from last page)

Returns if there is a key at the specified level with given name. When you want to test a key on the second level, leave the value for the third level null.

Parameters:

`firstLevelKey` - The key on the highest level. Needs to be set, needs to be one of [KEY_INITDIST](#), [KEY_PROTOCOLS](#) or [KEY_RESULTS](#).

`secondLevelKey` - The key on the second level. Needs to be set and either some name, to test if that name exists among all saved results, or a geometry name. In the latter case, it should be one of the short names from the [GeometryNames](#).

`thirdLevelKey` - The key on the third level. Leave this null when looking for a result name, or provide the name to check here otherwise.

Returns:

If the key exists or not. When `firstLevelKey` or `secondLevelKey` are not set, then this function returns true.

Package

nl.tue.fingerpaint.server.serverdata

nl.tue.fingerpaint.server.serverdata

Class ServerDataServiceImpl

```

java.lang.Object
  |-- javax.servlet.GenericServlet
    |-- javax.servlet.http.HttpServlet
      |-- com.google.gwt.user.server.rpc.AbstractRemoteServiceServlet
        |-- com.google.gwt.user.server.rpc.RemoteServiceServlet
          |-- nl.tue.fingerpaint.server.serverdata.ServerDataServiceImpl

```

All Implemented Interfaces:

[ServerDataService](#), java.io.Serializable, javax.servlet.ServletConfig, javax.servlet.Servlet, java.io.Serializable, com.google.gwt.user.server.rpc.SerializationPolicyProvider

public class **ServerDataServiceImpl**

extends com.google.gwt.user.server.rpc.RemoteServiceServlet

implements com.google.gwt.user.server.rpc.SerializationPolicyProvider, java.io.Serializable, javax.servlet.Servlet, javax.servlet.ServletConfig, java.io.Serializable, [ServerDataService](#)

Implementation of the [ServerDataService](#).

Fields inherited from class com.google.gwt.user.server.rpc.AbstractRemoteServiceServlet

perThreadRequest, perThreadResponse

Constructor Summary

public [ServerDataServiceImpl](#)()

Method Summary

[ServerDataResult](#) [getServerData](#)()
Returns server data, i.e. which geometries and mixers are available.

Methods inherited from class com.google.gwt.user.server.rpc.RemoteServiceServlet

checkPermutationStrongName, doGetSerializationPolicy, getSerializationPolicy, onAfterResponseSerialized, onBeforeRequestDeserialized, processCall, processPost, shouldCompressResponse

Methods inherited from class com.google.gwt.user.server.rpc.AbstractRemoteServiceServlet

doPost, doUnexpectedFailure, getPermutationStrongName, getThreadLocalRequest, getThreadLocalResponse, onAfterRequestDeserialized, processPost, readContent

Methods inherited from class javax.servlet.http.HttpServlet

doDelete, doGet, doHead, doOptions, doPost, doPut, doTrace, getLastModified, service, service

Methods inherited from class javax.servlet.GenericServlet

```
destroy, getInitParameter, getInitParameterNames, getServletConfig,
getServletContext, getServletInfo, getServletName, init, init, log, log, service
```

Methods inherited from class `java.lang.Object`

```
clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait,
wait
```

Methods inherited from interface `javax.servlet.Servlet`

```
destroy, getServletConfig, getServletInfo, init, service
```

Methods inherited from interface `javax.servlet.ServletConfig`

```
getInitParameter, getInitParameterNames, getServletContext, getServletName
```

Methods inherited from interface `com.google.gwt.user.server.rpc.SerializationPolicyProvider`

```
getSerializationPolicy
```

Methods inherited from interface [nl.tue.fingerpaint.shared.serverdata.ServerDataService](#)

```
getServerData
```

Constructors

ServerDataServiceImpl

```
public ServerDataServiceImpl()
```

Methods

getServerData

```
public ServerDataResult getServerData()
```

Returns server data, i.e. which geometries and mixers are available.

Returns:

server data, i.e. which geometries and mixers are available.

Package

nl.tue.fingerpaint.server.simulator

nl.tue.fingerpaint.server.simulator

Class SimulatorServiceImpl

```

java.lang.Object
├── javax.servlet.GenericServlet
│   ├── javax.servlet.http.HttpServlet
│       ├── com.google.gwt.user.server.rpc.AbstractRemoteServiceServlet
│           ├── com.google.gwt.user.server.rpc.RemoteServiceServlet
│               └── nl.tue.fingerpaint.server.simulator.SimulatorServiceImpl

```

All Implemented Interfaces:

[SimulatorService](#), java.io.Serializable, javax.servlet.ServletConfig, javax.servlet.Servlet, java.io.Serializable, com.google.gwt.user.server.rpc.SerializationPolicyProvider

public class **SimulatorServiceImpl**
 extends com.google.gwt.user.server.rpc.RemoteServiceServlet
 implements com.google.gwt.user.server.rpc.SerializationPolicyProvider, java.io.Serializable,
 javax.servlet.Servlet, javax.servlet.ServletConfig, java.io.Serializable, [SimulatorService](#)

Implementation of the [SimulatorService](#) RPC class.

Fields inherited from class com.google.gwt.user.server.rpc.AbstractRemoteServiceServlet

perThreadRequest, perThreadResponse

Constructor Summary

| | |
|--------|--|
| public | SimulatorServiceImpl() |
|--------|--|

Method Summary

| | |
|------|---|
| void | doUnexpectedFailure (java.lang.Throwable e) |
|------|---|

| | |
|----------------------------------|---|
| SimulationResult | simulate (Simulation request) Simulates a result. |
|----------------------------------|---|

Methods inherited from class com.google.gwt.user.server.rpc.RemoteServiceServlet

checkPermutationStrongName, doGetSerializationPolicy, getSerializationPolicy, onAfterResponseSerialized, onBeforeRequestDeserialized, processCall, processPost, shouldCompressResponse

Methods inherited from class com.google.gwt.user.server.rpc.AbstractRemoteServiceServlet

doPost, doUnexpectedFailure, getPermutationStrongName, getThreadLocalRequest, getThreadLocalResponse, onAfterRequestDeserialized, processPost, readContent

Methods inherited from class javax.servlet.http.HttpServlet

```
doDelete, doGet, doHead, doOptions, doPost, doPut, doTrace, getLastModified, service,
service
```

Methods inherited from class `javax.servlet.GenericServlet`

```
destroy, getInitParameter, getInitParameterNames, getServletConfig,
getServletContext, getServletInfo, getServletName, init, init, log, log, service
```

Methods inherited from class `java.lang.Object`

```
clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait,
wait
```

Methods inherited from interface `javax.servlet.Servlet`

```
destroy, getServletConfig, getServletInfo, init, service
```

Methods inherited from interface `javax.servlet.ServletConfig`

```
getInitParameter, getInitParameterNames, getServletContext, getServletName
```

Methods inherited from interface `com.google.gwt.user.server.rpc.SerializationPolicyProvider`

```
getSerializationPolicy
```

Methods inherited from interface [nl.tue.fingerpaint.shared.simulator.SimulatorService](#)

```
simulate
```

Constructors

SimulatorServiceImpl

```
public SimulatorServiceImpl()
```

Methods

doUnexpectedFailure

```
protected void doUnexpectedFailure(java.lang.Throwable e)
```

simulate

```
public SimulationResult simulate(Simulation request)
```

Simulates a result.

Parameters:

`request` - The Simulation that contains the parameters needed to run the simulation. The concentration vector is compressed.

(continued from last page)

Returns:

The SimulationResult achieved by running the simulation on the request.

Package

nl.tue.fingerpaint.shared

nl.tue.fingerpaint.shared

Class GeometryNames

```
java.lang.Object
```

```
└-nl.tue.fingerpaint.shared.GeometryNames
```

```
public class GeometryNames
extends java.lang.Object
```

A class that contains the geometry names for all the different geometries that are used in the Fingerprint application.

Field Summary

| | |
|---------------------|--|
| public static final | CIRC The long name for the circular geometry. Value: Circle |
| public static final | JOBE The long name for the 'Journal Bearing' geometry. Value: Journal Bearing |
| public static final | RECT The long name for the rectangular geometry. Value: Rectangle 400x240 |
| public static final | SQR The long name for the square geometry. Value: Square |

Constructor Summary

| | |
|--------|---------------------------------|
| public | GeometryNames() |
|--------|---------------------------------|

Methods inherited from class java.lang.Object

```
clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait
```

Fields

RECT

```
public static final java.lang.String RECT
```

The long name for the rectangular geometry.
Constant value: **Rectangle 400x240**

(continued from last page)

SQR

```
public static final java.lang.String SQR
```

The long name for the square geometry.
Constant value: **Square**

CIRC

```
public static final java.lang.String CIRC
```

The long name for the circular geometry.
Constant value: **Circle**

JOBE

```
public static final java.lang.String JOBE
```

The long name for the 'Journal Bearing' geometry.
Constant value: **Journal Bearing**

Constructors

GeometryNames

```
public GeometryNames()
```

nl.tue.fingerpaint.shared Class MixerNames

java.lang.Object

└─nl.tue.fingerpaint.shared.MixerNames

```
public class MixerNames
extends java.lang.Object
```

A class that contains the mixer names for all the different geometries that are used in the Fingerprint application.

Nested Class Summary

| | |
|-------|--|
| class | MixerNames.RectMixers MixerNames.RectMixers |
| class | MixerNames.SqrMixers MixerNames.SqrMixers |

Constructor Summary

| | |
|--------|------------------------------|
| public | MixerNames() |
|--------|------------------------------|

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

MixerNames

```
public MixerNames()
```

nl.tue.fingerpaint.shared Class MixerNames.RectMixers

```
java.lang.Object
├--nl.tue.fingerpaint.shared.MixerNames.RectMixers
```

```
public static class MixerNames.RectMixers
extends java.lang.Object
```

All mixer names that are applicable for the rectangular geometry.

See Also:

[GeometryNames.RECT](#)

Field Summary

| | |
|---------------------|---|
| public static final | DEFAULT The default mixer for the rectangular geometry. Value: Default |
|---------------------|---|

Constructor Summary

| | |
|--------|---|
| public | MixerNames.RectMixers() |
|--------|---|

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

DEFAULT

```
public static final java.lang.String DEFAULT
```

The default mixer for the rectangular geometry.
Constant value: **Default**

Constructors

MixerNames.RectMixers

```
public MixerNames.RectMixers()
```

nl.tue.fingerpaint.shared Class MixerNames.SqrMixers

```
java.lang.Object
├--nl.tue.fingerpaint.shared.MixerNames.SqrMixers
```

```
public static class MixerNames.SqrMixers
extends java.lang.Object
```

All mixer names that are applicable for the square geometry.

See Also:

[GeometryNames.SQR](#)

Field Summary

| | |
|---------------------|--|
| public static final | DEFAULT The default mixer for the square geometry. Value: Default |
|---------------------|--|

Constructor Summary

| | |
|--------|--|
| public | MixerNames.SqrMixers() |
|--------|--|

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

DEFAULT

```
public static final java.lang.String DEFAULT
```

The default mixer for the square geometry.
Constant value: **Default**

Constructors

MixerNames.SqrMixers

```
public MixerNames.SqrMixers()
```

nl.tue.fingerpaint.shared

Class ServerDataResult

java.lang.Object

└─nl.tue.fingerpaint.shared.ServerDataResult

All Implemented Interfaces:

java.io.Serializable

public class **ServerDataResult**
 extends java.lang.Object
 implements java.io.Serializable

A ServerDataResult object represents data that is retrieved from the server. Currently, this is a list of available geometries, a list of mixers and a mapping of to which geometry a mixer belongs.

Field Summary

| | |
|---------------------------|---|
| protected | geometries A list of all available geometries. |
| protected | mixerGeometryMapping A mapping that indicates to which geometry a mixer belongs. |
| protected | mixers A list of all available mixers. |
| protected static final | serialVersionUID Generated serial version UID. Value: -2040708625316261983 |

Constructor Summary

| | |
|--------|--|
| public | ServerDataResult() Construct a new ServerDataResult with no geometries and/or mixers available. |
| public | ServerDataResult(java.lang.String[] geometries, java.lang.String[] mixers, int[] mixerGeometryMapping) Construct a new ServerDataResult . |

Method Summary

| | |
|--------------------|--|
| java.lang.String[] | getGeometries() Get the list of available geometries. |
| int[] | getMixerGeometryMapping() Get the mapping from mixers to geometries. |
| java.lang.String[] | getMixers() Get the list of available mixers. |
| void | setGeometries(java.lang.String[] geometries) Change the available geometries. |

| | |
|------|---|
| void | setMixerGeometryMapping (int[] mixerGeometryMapping) Change the mapping from mixers to geometries. |
| void | setMixers (java.lang.String[] mixers) Change the available mixers. |

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

serialVersionUID

protected static final long **serialVersionUID**

Generated serial version UID.

Constant value: **-2040708625316261983**

geometries

protected java.lang.String **geometries**

A list of all available geometries.

mixers

protected java.lang.String **mixers**

A list of all available mixers.

mixerGeometryMapping

protected int **mixerGeometryMapping**

A mapping that indicates to which geometry a mixer belongs.

It means that when [mixerGeometryMapping](#)[i] == j, then the mixer at index i in [mixers](#) belongs to the geometry at index j in [geometries](#).

Constructors

ServerDataResult

public **ServerDataResult**()

Construct a new [ServerDataResult](#) with no geometries and/or mixers available.

ServerDataResult

```
public ServerDataResult(java.lang.String[] geometries,
                        java.lang.String[] mixers,
                        int[] mixerGeometryMapping)
```

(continued from last page)

Construct a new [ServerDataResult](#).

Parameters:

geometries - List of available geometries.

mixers - List of available mixers.

mixerGeometryMapping - Mapping from mixers to geometries.

Methods

getGeometries

```
public java.lang.String[] getGeometries()
```

Get the list of available geometries.

Returns:

list of available geometries

getMixers

```
public java.lang.String[] getMixers()
```

Get the list of available mixers.

Returns:

list of available mixers

getMixerGeometryMapping

```
public int[] getMixerGeometryMapping()
```

Get the mapping from mixers to geometries.

Returns:

mapping from mixers to geometries

setGeometries

```
public void setGeometries(java.lang.String[] geometries)
```

Change the available geometries.

Note: this should be compatible with the mixers and mapping in this class!

Parameters:

geometries - New list of available geometries.

setMixers

```
public void setMixers(java.lang.String[] mixers)
```

Change the available mixers.

Note: this should be compatible with the geometries and mapping in this class!

(continued from last page)

Parameters:mixers - New list of available mixers.

setMixerGeometryMapping

```
public void setMixerGeometryMapping(int[] mixerGeometryMapping)
```

Change the mapping from mixers to geometries.

Note: this should be compatible with the geometries and mixers in this class!

Parameters:

mixerGeometryMapping - New mapping from mixers to geometries.

Package

nl.tue.fingerpaint.shared.model

nl.tue.fingerpaint.shared.model

Class MixingProtocol

java.lang.Object

└─nl.tue.fingerpaint.shared.model.MixingProtocol

All Implemented Interfaces:

java.io.Serializable

public class **MixingProtocol**
 extends java.lang.Object
 implements java.io.Serializable

This class symbolises a mixing program consisting of a number of mixing steps

Constructor Summary

| | |
|--------|---|
| public | MixingProtocol() Construct a new protocol that applies to the rectangular geometry. |
| public | MixingProtocol(java.lang.String geometry) Construct a new protocol that applies to the given geometry. |

Method Summary

| | |
|---------------------------------------|--|
| void | addStep(MixingStep step) Adds the mixing step step to the end of the current program. |
| static MixingProtocol | fromString(java.lang.String protocol) Converts a string to a mixing protocol. |
| java.lang.String | getGeometry() Returns the long name of the geometry this protocol is defined for. |
| java.util.ArrayList | getProgram() Returns all the current steps in the protocol. |
| int | getProgramSize() Returns the number of steps in the protocol. |
| MixingStep | getStep(int index) Returns the MixingStep located at index index. |
| void | moveStep(int originalIndex, int newIndex) Moves a single MixingStep from index originalIndex to newIndex. |
| void | removeStep(int index) Removes a single step from the protocol. |
| void | setProgram(java.util.ArrayList program) Sets a new protocol. |
| java.lang.String | toString() Returns a string representation of this protocol. |

Methods inherited from class `java.lang.Object`

`clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait`

Constructors

MixingProtocol

```
public MixingProtocol()
```

Construct a new protocol that applies to the rectangular geometry.

MixingProtocol

```
public MixingProtocol(java.lang.String geometry)
```

Construct a new protocol that applies to the given geometry.

Parameters:

`geometry` - The long name of the geometry to which this protocol applies.

Methods

getStep

```
public MixingStep getStep(int index)
```

Returns the `MixingStep` located at index `index`.

Parameters:

`index` - the index of the element to be returned

Returns:

the `MixingStep` located at index `index`

Throws:

`IndexOutOfBoundsException` - if `index < 0` or `index >= getProgramSize()`

addStep

```
public void addStep(MixingStep step)
```

Adds the mixing step to the end of the current program.

Parameters:

`step` - the `MixingStep` to be added

Throws:

`NullPointerException` - if `step == null`

moveStep

```
public void moveStep(int originalIndex,  
                     int newIndex)
```

(continued from last page)

Moves a single `MixingStep` from index `originalIndex` to `newIndex`.

Parameters:

`originalIndex` - The original index of the `MixingStep`

`newIndex` - The index the `MixingStep` will be moved to

Throws:

`IndexOutOfBoundsException` - if `originalIndex < 0` or `newIndex < 0` or `originalIndex >= getProgramSize()` or `newIndex >= getProgramSize()`

removeStep

```
public void removeStep(int index)
```

Removes a single step from the protocol.

Parameters:

`index` - the index of the step to be removed

Throws:

`IndexOutOfBoundsException` - if `index >= getProgramSize()` or `index < 0`

getProgramSize

```
public int getProgramSize()
```

Returns the number of steps in the protocol.

Returns:

the size of the program; i.e. the number of steps in it

getProgram

```
public java.util.ArrayList getProgram()
```

Returns all the current steps in the protocol.

Returns:

An array list containing all current steps

setProgram

```
public void setProgram(java.util.ArrayList program)
```

Sets a new protocol.

Parameters:

`program` - The list of mixing steps to set as the current protocol

getGeometry

```
public java.lang.String getGeometry()
```

Returns the long name of the geometry this protocol is defined for.

Returns:

The long name of the geometry this protocol is defined for.

toString

```
public java.lang.String toString()
```

Returns a string representation of this protocol.

fromString

```
public static MixingProtocol fromString(java.lang.String protocol)
```

Converts a string to a mixing protocol.

Parameters:

`protocol` - The string to be converted

Returns:

A mixing protocol object that matches the given input string

nl.tue.fingerpaint.shared.model

Class MixingStep

java.lang.Object

└─nl.tue.fingerpaint.shared.model.MixingStep

All Implemented Interfaces:

java.io.Serializable

Direct Known Subclasses:

[RectangleMixingStep](#)

public abstract class **MixingStep**

extends java.lang.Object

implements java.io.Serializable

MixingStep is a class that stores information for an individual mixing step of a mixing protocol

Field Summary

| | |
|---------------------|---|
| protected | nrUnits number of times stepUnit time is applied in the mixing step |
| public static final | STEP_DEFAULT default step size Value: 1.0 |
| public static final | STEP_MAX highest allowed step size Value: 100.0 |
| public static final | STEP_MIN lowest allowed step size Value: 0.25 |
| public static final | STEP_UNIT the minimum step size, all step sizes should be a multiple of this Value: 0.25 |

Constructor Summary

| | |
|--------|--|
| public | MixingStep() Empty constructor. |
|--------|--|

Method Summary

| | |
|------------------------------|--|
| abstract void | fromString (java.lang.String string) Sets this step's parameters to those as specified in the string. |
| abstract java.lang.String | getName () Returns the string representation of this mixing step, as it is needed by the server. |

| | |
|------------------------------|--|
| static double | <code>getStepDefault()</code> Returns the default step size of a step. |
| static double | <code>getStepMax()</code> Returns the maximum step size of a step. |
| static double | <code>getStepMin()</code> Returns the minimum step size of a step. |
| double | <code>getStepSize()</code> Returns the size of this step. |
| static double | <code>getStepUnit()</code> Returns the minimum increment value for the step size. |
| void | <code>setStepSize(double stepSize)</code> Sets the size of this mixing step. |
| abstract java.lang.String | <code>toString()</code> Returns the string representation of this mixing step. |

Methods inherited from class java.lang.Object

`clone`, `equals`, `finalize`, `getClass`, `hashCode`, `notify`, `notifyAll`, `toString`, `wait`, `wait`, `wait`

Fields

STEP_UNIT

public static final double **STEP_UNIT**

the minimum step size, all step sizes should be a multiple of this
Constant value: **0.25**

STEP_MIN

public static final double **STEP_MIN**

lowest allowed step size
Constant value: **0.25**

STEP_MAX

public static final double **STEP_MAX**

highest allowed step size
Constant value: **100.0**

STEP_DEFAULT

public static final double **STEP_DEFAULT**

default step size
Constant value: **1.0**

(continued from last page)

nrUnits

```
protected int nrUnits
```

number of times stepUnit time is applied in the mixing step

Constructors

MixingStep

```
public MixingStep()
```

Empty constructor. Necessary for serialising.

Methods

getStepSize

```
public double getStepSize()
```

Returns the size of this step.

Returns:

result = STEP_UNIT * x with x an integer

setStepSize

```
public void setStepSize(double stepSize)
```

Sets the size of this mixing step. If the precondition does not hold, stepSize will be rounded to produce an integer x.

```
stepSize = STEP_UNIT * x, with x an integer
```

Parameters:

stepSize - The time the mixing step is executed for

getStepUnit

```
public static double getStepUnit()
```

Returns the minimum increment value for the step size.

Returns:

STEP_UNIT

getStepMin

```
public static double getStepMin()
```

Returns the minimum step size of a step.

Returns:

STEP_MIN

getStepMax

```
public static double getStepMax()
```

Returns the maximum step size of a step.

Returns:

STEP_MAX

getStepDefault

```
public static double getStepDefault()
```

Returns the default step size of a step.

Returns:

STEP_DEFAULT

getName

```
public abstract java.lang.String getName()
```

Returns the string representation of this mixing step, as it is needed by the server.

Returns:

The name of the mixing step

fromString

```
public abstract void fromString(java.lang.String string)
```

Sets this step's parameters to those as specified in the string.

Parameters:

string - Textual representation of the step.

toString

```
public abstract java.lang.String toString()
```

Returns the string representation of this mixing step.

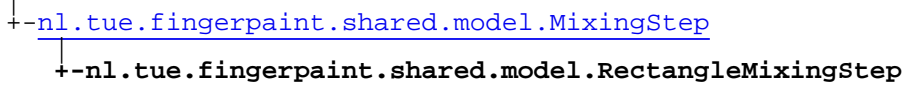
Returns:

Textual representation of this step.

nl.tue.fingerpaint.shared.model

Class RectangleMixingStep

java.lang.Object



All Implemented Interfaces:

java.io.Serializable, java.io.Serializable

public class **RectangleMixingStep**
 extends [MixingStep](#)
 implements java.io.Serializable, java.io.Serializable

Class for a mixing step for the rectangular geometry.

Fields inherited from class [nl.tue.fingerpaint.shared.model.MixingStep](#)

[nrUnits](#), [STEP_DEFAULT](#), [STEP_MAX](#), [STEP_MIN](#), [STEP_UNIT](#)

Constructor Summary

| | |
|--------|--|
| public | RectangleMixingStep () Default constructor, necessary for serialisation. |
| public | RectangleMixingStep (java.lang.String stepRep) Initialises a RectangleMixingStep from a string. |
| public | RectangleMixingStep (double stepSize, boolean direction, boolean wall) Creates a RectangleMixingStep with the specified parameters. |

Method Summary

| | |
|------------------|--|
| void | fromString (java.lang.String step) Sets the parameters of this mixing step to those as specified in step. |
| java.lang.String | getName () |
| boolean | isClockwise () Returns the direction of this step. |
| boolean | isTopWall () Returns the wall this step belongs to. |
| void | setDirection (boolean direction) Sets the direction of this step. |
| void | setWall (boolean wall) Sets the wall this step belongs to. |
| java.lang.String | toString () |

Methods inherited from class [nl.tue.fingerpaint.shared.model.MixingStep](#)

[fromString](#), [getName](#), [getStepDefault](#), [getStepMax](#), [getStepMin](#), [getStepSize](#), [getStepUnit](#), [setStepSize](#), [toString](#)

Methods inherited from class `java.lang.Object`

`clone`, `equals`, `finalize`, `getClass`, `hashCode`, `notify`, `notifyAll`, `toString`, `wait`, `wait`, `wait`

Constructors

RectangleMixingStep

```
public RectangleMixingStep()
```

Default constructor, necessary for serialisation.

RectangleMixingStep

```
public RectangleMixingStep(java.lang.String stepRep)
```

Initialises a RectangleMixingStep from a string.

Parameters:

`stepRep` - The textual representation of this mixing step.

RectangleMixingStep

```
public RectangleMixingStep(double stepSize,
                           boolean direction,
                           boolean wall)
```

Creates a RectangleMixingStep with the specified parameters.

Parameters:

`stepSize` - The stepSize of the wall movement, should be divisible by 0.25

`direction` - The direction of the wall movement; true is clockwise, false counterclockwise

`wall` - The wall that is moved; true for the top wall, false for the bottom wall

Methods

isClockwise

```
public boolean isClockwise()
```

Returns the direction of this step.

Returns:

true if the wall is moving clockwise, false otherwise

setDirection

```
public void setDirection(boolean direction)
```

Sets the direction of this step.

(continued from last page)

Parameters:

`direction` - The direction the wall moves in, true if clockwise, false otherwise

isTopWall

```
public boolean isTopWall()
```

Returns the wall this step belongs to.

Returns:

true if the top wall moves, false otherwise

setWall

```
public void setWall(boolean wall)
```

Sets the wall this step belongs to.

Parameters:

`wall` - The wall that moves this mixing step, true for the top wall, false for the bottom wall

getName

```
public java.lang.String getName()
```

Returns the string representation of this mixing step, as it is needed by the server.

toString

```
public java.lang.String toString()
```

Returns the string representation of this mixing step.

fromString

```
public void fromString(java.lang.String step)
```

Sets the parameters of this mixing step to those as specified in step.

Parameters:

`step` - The string to be converted.

Package

nl.tue.fingerpaint.shared.serverdata

nl.tue.fingerpaint.shared.serverdata Interface ServerDataService

All Known Implementing Classes:

[ServerDataServiceImpl](#)

public interface **ServerDataService**
extends com.google.gwt.user.client.rpc.RemoteService

Service that is used to obtain data from the server.

Method Summary

[ServerDataResult](#)

[getServerData\(\)](#)

Function to obtain data (geometries, mixers) from the server.

Methods

getServerData

public [ServerDataResult](#) **getServerData()**

Function to obtain data (geometries, mixers) from the server.

Returns:

Result, an object that contains all data from the server.

nl.tue.fingerpaint.shared.serverdata Interface ServerDataServiceAsync

public interface **ServerDataServiceAsync**
extends

Asynchronous counterpart of the [ServerDataService](#).

Method Summary

| | |
|------|--|
| void | getServerData (com.google.gwt.user.client.rpc.AsyncCallback callback) Asynchronous counterpart of ServerDataService.getServerData() . |
|------|--|

Methods

getServerData

public void **getServerData**(com.google.gwt.user.client.rpc.AsyncCallback callback)

Asynchronous counterpart of [ServerDataService.getServerData\(\)](#).

Parameters:

callback - Callback that is notified when data comes back from the server.

Package

nl.tue.fingerpaint.shared.simulator

nl.tue.fingerpaint.shared.simulator

Class Simulation

java.lang.Object

└─nl.tue.fingerpaint.shared.simulator.Simulation

All Implemented Interfaces:

java.io.Serializable

public class **Simulation**
 extends java.lang.Object
 implements java.io.Serializable

Defines all information necessary for a simulation run. Results are saved into a [SimulationResult](#).

Constructor Summary

| | |
|--------|---|
| public | Simulation() Default constructor. |
| public | Simulation (java.lang.String geometry, java.lang.String mixer, MixingProtocol protocol, java.lang.String concentrationVector, int protocolRuns, boolean intermediateVectors) Creates a new SimulatorRequest. |

Method Summary

| | |
|--------------------------------|---|
| boolean | calculatesIntermediateVectors() |
| java.lang.String | getConcentrationVector() |
| java.lang.String | getMixer() |
| MixingProtocol | getProtocol() |
| int | getProtocolRuns() |

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

Simulation

public **Simulation()**

Default constructor.

Simulation

```
public Simulation(java.lang.String geometry,  
                  java.lang.String mixer,  
                  MixingProtocol protocol,  
                  java.lang.String concentrationVector,  
                  int protocolRuns,  
                  boolean intermediateVectors)
```

Creates a new SimulatorRequest.

Parameters:

geometry - The chosen geometry.

mixer - The mixer that should be used.

protocol - The name of the step that should be performed.

concentrationVector - The used concentration vector.

protocolRuns - How many times the protocol should be repeated.

intermediateVectors - Whether or not intermediate concentration vectors should be computed for each protocol run.

Throws:

UnsupportedOperationException - If an unsupported geometry was selected.

Methods

getMixer

```
public java.lang.String getMixer()
```

Returns:

the mixer

getProtocol

```
public MixingProtocol getProtocol()
```

Returns:

the protocol

getConcentrationVector

```
public java.lang.String getConcentrationVector()
```

Returns:

the concentrationVector

getProtocolRuns

```
public int getProtocolRuns()
```

(continued from last page)

Returns:
the protocolRuns

calculatesIntermediateVectors

```
public boolean calculatesIntermediateVectors()
```

Returns:
the intermediateVectors boolean

nl.tue.fingerpaint.shared.simulator

Class SimulationResult

java.lang.Object

└─nl.tue.fingerpaint.shared.simulator.SimulationResult

All Implemented Interfaces:

java.io.Serializable

```
public class SimulationResult
  extends java.lang.Object
  implements java.io.Serializable
```

Represents a the results of a [Simulation](#).

Constructor Summary

| | |
|--------|---|
| public | SimulationResult() Default constructor. |
| public | SimulationResult (int[][] concentrationVectors, double[] segregationPoints) Constructs a new SimulationResults of a Simulation . |

Method Summary

| | |
|----------|---|
| int[][] | getConcentrationVectors() |
| double[] | getSegregationPoints() |

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

SimulationResult

```
public SimulationResult()
```

Default constructor.

SimulationResult

```
public SimulationResult(int[][] concentrationVectors,
                        double[] segregationPoints)
```

Constructs a new SimulationResults of a [Simulation](#).

Parameters:

(continued from last page)

concentrationVectors - The resulting concentration vectors

segregationPoints - The resulting segregation values

Methods

getConcentrationVectors

```
public int[][] getConcentrationVectors()
```

Returns:

the concentrationVectors

getSegregationPoints

```
public double[] getSegregationPoints()
```

Returns:

the segregationPoints

nl.tue.fingerpaint.shared.simulator Interface SimulatorService

All Known Implementing Classes:

[SimulatorServiceImpl](#)

public interface **SimulatorService**
extends com.google.gwt.user.client.rpc.RemoteService

A service that can be used to run a simulation.

Method Summary

[SimulationResult](#)

[simulate](#)([Simulation](#) simulation)

Simulates a [Simulation](#) and returns the result in a [SimulationResult](#).

Methods

simulate

public [SimulationResult](#) **simulate**([Simulation](#) simulation)

Simulates a [Simulation](#) and returns the result in a [SimulationResult](#).

Parameters:

simulation - The simulation to be run

Returns:

The result of the simulation

nl.tue.fingerpaint.shared.simulator

Interface SimulatorServiceAsync

public interface **SimulatorServiceAsync**
extends

A service that can be used to run a simulation.

| Method Summary | |
|----------------|--|
| void | <div><div><code>simulate(Simulation simulation, com.google.gwt.user.client.rpc.AsyncCallback callback)</code></div><div>Simulates a Simulation and returns the result in a SimulationResult to the callback.</div></div> |

Methods

simulate

```
public void simulate(Simulation simulation,  
                    com.google.gwt.user.client.rpc.AsyncCallback callback)
```

Simulates a [Simulation](#) and returns the result in a [SimulationResult](#) to the callback.

- Parameters:**
- simulation - The simulation to be run
 - callback - The callback to which results are reported

Package

nl.tue.fingerpaint.shared.utils

nl.tue.fingerpaint.shared.utils Class Colour

```
java.lang.Object
```

```
└--nl.tue.fingerpaint.shared.utils.Colour
```

```
public class Colour
extends java.lang.Object
```

A Colour is simply ... a colour. It can be used way easier than the default GWT `com.google.gwt.canvas.dom.client.CssColor` though. For example, colours can be compared and the R, G and B values can be queried. Finally, this class provides a way to get a CSS colour representation as a string, just like the `com.google.gwt.canvas.dom.client.CssColor`.

Field Summary

| | |
|---------------------|---|
| protected | <u>b</u> The blue component of this colour. |
| public static final | <u>BLACK</u> Black colour. |
| public static final | <u>DARK_GRAY</u> Dark gray colour. |
| protected | <u>g</u> The green component of this colour. |
| public static final | <u>GRAY</u> Gray colour. |
| public static final | <u>LIGHT_GRAY</u> Light gray colour. |
| public static final | <u>PMS_3135</u> TUE support colour: blue-ish colour. |
| public static final | <u>PMS_375</u> TUE support colour: green colour. |
| public static final | <u>PMS_396</u> TUE support colour: light green colour. |
| public static final | <u>PMS_GREEN</u> TUE support colour: aqua-ish colour. |
| public static final | <u>PMS_GREEN_LIGHTER</u> Lighter version of <u>PMS_GREEN</u> . |
| public static final | <u>PMS_WARM_RED</u> TUE red colour. |
| protected | <u>r</u> The red component of this colour. |

| | |
|---------------------|---|
| public static final | <code>TUE_BLUE</code> TUE blue colour. |
| public static final | <code>TUE_DARK_BLUE</code> TUE dark blue colour. |
| public static final | <code>TUE_LIGHT_BLUE</code> TUE light blue colour. |
| public static final | <code>TUE_PURPLE</code> TUE pink colour. |
| public static final | <code>WHITE</code> White colour. |
| public static final | <code>WHITE_GRAYISH</code> Near-white gray colour. |

Constructor Summary

| | |
|--------|--|
| public | <code>Colour</code> (int r, int g, int b) Construct a new colour with the given RGB components. |
|--------|--|

Method Summary

| | |
|----------------------------|--|
| boolean | <code>equals</code> (java.lang.Object obj) Compares this Colour to an other object. |
| int | <code>getBlue</code> () |
| int | <code>getGreen</code> () |
| int | <code>getRed</code> () |
| int | <code>hashCode</code> () Converts the colour to a hexadecimal code. |
| static java.lang.String | <code>pad</code> (java.lang.String str, int len) Pad string to given length with zeroes. |
| void | <code>setBlue</code> (int b) |
| void | <code>setGreen</code> (int g) |
| void | <code>setRed</code> (int r) |
| java.lang.String | <code>toHexString</code> () Return a hexadecimal representation of this colour, that can directly be used in CSS. |
| java.lang.String | <code>toString</code> () Returns the hexadecimal representation of this colour as a String. |

Methods inherited from class java.lang.Object

```
clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait
```

Fields

WHITE

```
public static final nl.tue.fingerpaint.shared.utils.Colour WHITE
```

White colour.

WHITE_GRAYISH

```
public static final nl.tue.fingerpaint.shared.utils.Colour WHITE_GRAYISH
```

Near-white gray colour.

LIGHT_GRAY

```
public static final nl.tue.fingerpaint.shared.utils.Colour LIGHT_GRAY
```

Light gray colour.

GRAY

```
public static final nl.tue.fingerpaint.shared.utils.Colour GRAY
```

Gray colour.

DARK_GRAY

```
public static final nl.tue.fingerpaint.shared.utils.Colour DARK_GRAY
```

Dark gray colour.

BLACK

```
public static final nl.tue.fingerpaint.shared.utils.Colour BLACK
```

Black colour.

TUE_PURPLE

```
public static final nl.tue.fingerpaint.shared.utils.Colour TUE_PURPLE
```

TUe pink colour.

TUE_LIGHT_BLUE

```
public static final nl.tue.fingerpaint.shared.utils.Colour TUE_LIGHT_BLUE
```

TUe light blue colour.

(continued from last page)

TUE_BLUE

```
public static final nl.tue.fingerpaint.shared.utils.Colour TUE_BLUE
```

TUe blue colour.

TUE_DARK_BLUE

```
public static final nl.tue.fingerpaint.shared.utils.Colour TUE_DARK_BLUE
```

TUe dark blue colour.

PMS_GREEN

```
public static final nl.tue.fingerpaint.shared.utils.Colour PMS_GREEN
```

TUe support colour: aqua-ish colour.

PMS_GREEN_LIGHTER

```
public static final nl.tue.fingerpaint.shared.utils.Colour PMS_GREEN_LIGHTER
```

Lighter version of [PMS_GREEN](#).

PMS_3135

```
public static final nl.tue.fingerpaint.shared.utils.Colour PMS_3135
```

TUe support colour: blue-ish colour.

PMS_375

```
public static final nl.tue.fingerpaint.shared.utils.Colour PMS_375
```

TUe support colour: green colour.

PMS_396

```
public static final nl.tue.fingerpaint.shared.utils.Colour PMS_396
```

TUe support colour: light green colour.

PMS_WARM_RED

```
public static final nl.tue.fingerpaint.shared.utils.Colour PMS_WARM_RED
```

TUe red colour.

r

```
protected int r
```

The red component of this colour.

g

```
protected int g
```

(continued from last page)

The green component of this colour.

b

protected int **b**

The blue component of this colour.

Constructors

Colour

```
public Colour(int r,  
              int g,  
              int b)
```

Construct a new colour with the given RGB components.

Parameters:

- r - The red component for the colour.
- g - The green component for the colour.
- b - The blue component for the colour.

Methods

getRed

```
public int getRed()
```

Returns:

the red component of this colour

setRed

```
public void setRed(int r)
```

Parameters:

- r - the red component of this colour

getGreen

```
public int getGreen()
```

Returns:

the green component of this colour

setGreen

```
public void setGreen(int g)
```

Parameters:

(continued from last page)

g - the green component of this colour

getBlue

```
public int getBlue()
```

Returns:

the blue component of this colour

setBlue

```
public void setBlue(int b)
```

Parameters:

b - the blue component of this colour

toHexString

```
public java.lang.String toHexString()
```

Return a hexadecimal representation of this colour, that can directly be used in CSS.

Returns:

a hexadecimal string (with lower case letters)

hashCode

```
public int hashCode()
```

Converts the colour to a hexadecimal code.

Returns:

the hexadecimal code for the colour.

equals

```
public boolean equals(java.lang.Object obj)
```

Compares this Colour to an other object.

Returns:

true if this is equal to object, false otherwise.

toString

```
public java.lang.String toString()
```

Returns the hexadecimal representation of this colour as a String.

Returns:

the hexadecimal representation of this colour as a String.

(continued from last page)

pad

```
protected static java.lang.String pad(java.lang.String str,  
    int len)
```

Pad string to given length with zeroes.

Parameters:

`str` - String to pad.

`len` - Wanted length of string.

Returns:

Given string, left-padded with zeroes so it has requested length.

nl.tue.fingerpaint.shared.utils

Class Utils

```
java.lang.Object
  |
  +--nl.tue.fingerpaint.shared.utils.Utils
```

```
public class Utils
  extends java.lang.Object
```

This class contains a number of static utility functions.

Constructor Summary

| | |
|--------|-------------------------|
| public | Utils() |
|--------|-------------------------|

Method Summary

| | |
|------------|--|
| static int | parseIntFromCss (java.lang.String css) Parse an integer from a 'Xpx' string, where 'X' is a number. |
|------------|--|

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

Utils

```
public Utils()
```

Methods

parseIntFromCss

```
public static int parseIntFromCss(java.lang.String css)
```

Parse an integer from a 'Xpx' string, where 'X' is a number.

Parameters:

css - The above-described string.

Returns:

The integer from above string, or '-1' on error.