





# es.uma.pfc.is.bench.benchmarks.execution



## Summary

Name	Description
 <a href="#">RunBenchmark.fxml</a>	Benchmarks execution view.
 <a href="#">RunBenchmarkController</a>	Run view controller.
 <a href="#">RunBenchmarkModel</a>	Benchmarks execution model.
 <a href="#">BenchmarkSelectionListener</a>	<p>Benchmarks tree listener.</p> <ul style="list-style-type: none"> <li>* When a benchmark is selected, the output field is initialized with benchmark output dir and is disabled.</li> <li>* In this case, the mode checks and console outputs are disabled too.</li> <li>* If the selection is an algorithm, the output field is enabled and initialized with the path of algorithm default output file.</li> <li>* If the selection is more than one algorithm, the output field is cleared and disabled.</li> </ul>

\* If the selection contains benchmarks and algorithms the output field is cleared and the Run button disabled.

## Details

### RunBenchmark.fxml

Name	Value
Description	Benchmarks execution view.
Active	false
Business Key Mutable	true
Business Model	false
Visibility	public
Leaf	false
Root	false
Stereotypes	viewpoint

## Attributes

private btnRun : Button			
Type	Button		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	1		
Aggregation	None		
Derived Union	false		
Read Only	false		
Is ID	false		
Leaf	false		

private btnClear : Button			
Type	Button		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	1		
Aggregation	None		
Derived Union	false		
Read Only	false		
Is ID	false		
Leaf	false		

private filterField : TextField			
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Description	Filtro del árbol benchmarksTree.		
Type	TextField		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		
Derived Union	false		
Read Only	false		
Is ID	false		
Leaf	false		

private benchmarksTree : TreeView			
Description	Árbol de dos niveles con los benchmarks registrados en el workspace actual en el primer nivel, y sus algoritmos en el segundo nivel.		
Type	TreeView		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	1		
Aggregation	None		
Derived Union	false		
Read Only	false		
Is ID	false		
Leaf	false		

private txtInput : TextField			
Description	Campo de texto para la ruta absoluta del archivo que contiene el sistema implicacional de entrada.		
Type	TextField		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	1		
Aggregation	None		
Derived Union	false		
Read Only	false		
Is ID	false		
Leaf	false		

private btnSelectInput : Button			
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Description	Botón que muestra el cuadro de diálogo para seleccionar el archivo de entrada.		
Type	Button		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	1		
Aggregation	None		
Derived Union	false		
Read Only	false		
Is ID	false		
Leaf	false		

private txtOutput : Button			
Description	Campo de texto para la ruta absoluta del archivo en el que se guarda el sistema implicacional de salida.		
Type	Button		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	1		
Aggregation	None		
Derived Union	false		
Read Only	false		
Is ID	false		
Leaf	false		

private txtHistoryArea : TextArea			
Description	Visor de la traza generada.		
Type	TextArea		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	1		
Aggregation	None		
Derived Union	false		
Read Only	false		
Is ID	false		
Leaf	false		

private tableStatistics : TableView			
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Description	Tabla en la que se muestran las estadísticas de los tamaños si el modo Estadísticas está activo.		
Type	TableView		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	1		
Aggregation	None		
Derived Union	false		
Read Only	false		
Is ID	false		
Leaf	false		

private chkTime : CheckBox			
Description	Check que activa/desactiva el modo Tiempos.		
Type	CheckBox		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	1		
Aggregation	None		
Derived Union	false		
Read Only	false		
Is ID	false		
Leaf	false		

private chkHistory : CheckBox			
Description	Check que activa/desactiva el modo Traza.		
Type	CheckBox		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	1		
Aggregation	None		
Derived Union	false		
Read Only	false		
Is ID	false		
Leaf	false		


private chkStatistics : CheckBox			
Description	Check que activa/desactiva el modo Traza.		
Type	CheckBox		

Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	1		
Aggregation	None		
Derived Union	false		
Read Only	false		
Is ID	false		
Leaf	false		


## RunBenchmarkController

Name	Value
Description	Run view controller.
Active	false
Business Key Mutable	true
Java Detail	N/A
Business Model	false
Visibility	public
Leaf	false
Root	false
Stereotypes	controller

## Attributes

private model : RunBenchmarkModel			
Description	Model.		
Type	 RunBenchmarkModel		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	1		
Java Detail	N/A		
Aggregation	None		
Derived Union	false		
Read Only	false		
Is ID	false		
Leaf	false		

private readerService : FileReaderService			
Description	Servicio que lee un fichero. Se utiliza para leer la traza generada.		
Type	 FileReaderService		
Allow Empty Name	false		

Getter	false	Setter	false
Derived	false		
Multiplicity	1		
Aggregation	None		
Derived Union	false		
Read Only	false		
Is ID	false		
Leaf	false		

private filePathValidator : FilePathValidator			
Description	Validador de las rutas de ficheros de entrada y salida.		
Type	FilePathValidator		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	1		
Aggregation	None		
Derived Union	false		
Read Only	false		
Is ID	false		
Leaf	false		

private inputsList : javafx.scene.control.ListView			
Template Type Bind Info	N/A		
Type	javafx.scene.control.ListView		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Java Detail	N/A		
Aggregation	None		
Derived Union	false		
Read Only	false		
Is ID	false		
Leaf	false		

private lbSelectedFiles : javafx.scene.control.Label			
Description	Path output file.		
Type	javafx.scene.control.Label		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		

Multiplicity	Unspecified		
Java Detail	N/A		
Aggregation	None		
Derived Union	false		
Read Only	false		
Is ID	false		
Leaf	false		

private txtOutput : javafx.scene.control.TextField			
Description	Output field.		
Type	javafx.scene.control.TextField		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Java Detail	N/A		
Aggregation	None		
Derived Union	false		
Read Only	false		
Is ID	false		
Leaf	false		

private filterField : javafx.scene.control.TextField			
Description	Algorithms filter.		
Type	javafx.scene.control.TextField		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Java Detail	N/A		
Aggregation	None		
Derived Union	false		
Read Only	false		
Is ID	false		
Leaf	false		

private benchmarksTree : javafx.scene.control.TreeView			
Description	Benchmarks and algorithms tree.		
Type	javafx.scene.control.TreeView		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		



Multiplicity	Unspecified		
Java Detail	N/A		
Aggregation	None		
Derived Union	false		
Read Only	false		
Is ID	false		
Leaf	false		

private btnRun : javafx.scene.control.Button			
Description	Run Button.		
Type	javafx.scene.control.Button		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Java Detail	N/A		
Aggregation	None		
Derived Union	false		
Read Only	false		
Is ID	false		
Leaf	false		

private rootPane : javafx.scene.layout.BorderPane			
Description	Root pane.		
Type	javafx.scene.layout.BorderPane		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Java Detail	N/A		
Aggregation	None		
Derived Union	false		
Read Only	false		
Is ID	false		
Leaf	false		

private cbOutputType : javafx.scene.control.ChoiceBox			
Description	Output type combobox.		
Template Type Bind Info	N/A		
Type	javafx.scene.control.ChoiceBox		
Allow Empty Name	false		
Getter	false	Setter	false

Derived	false		
Multiplicity	Unspecified		
Java Detail	N/A		
Aggregation	None		
Derived Union	false		
Read Only	false		
Is ID	false		
Leaf	false		

private tableStatistics : javafx.scene.control.TableView			
Description	Table with statistics results.		
Type	javafx.scene.control.TableView		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Java Detail	N/A		
Aggregation	None		
Derived Union	false		
Read Only	false		
Is ID	false		
Leaf	false		

private chkTime : javafx.scene.control.CheckBox			
Description	Mode checks.		
Type	javafx.scene.control.CheckBox		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Java Detail	N/A		
Aggregation	None		
Derived Union	false		
Read Only	false		
Is ID	false		
Leaf	false		

private chkHistory : javafx.scene.control.CheckBox			
Description	Mode checks.		
Type	javafx.scene.control.CheckBox		
Allow Empty Name	false		
Getter	false	Setter	false

Derived	false		
Multiplicity	Unspecified		
Java Detail	N/A		
Aggregation	None		
Derived Union	false		
Read Only	false		
Is ID	false		
Leaf	false		

private chkStatistics : javafx.scene.control.CheckBox			
Description	Mode checks.		
Type	javafx.scene.control.CheckBox		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Java Detail	N/A		
Aggregation	None		
Derived Union	false		
Read Only	false		
Is ID	false		
Leaf	false		

private statsProgressInd : javafx.scene.control.ProgressIndicator			
Description	Statistics loading progress indicator.		
Type	javafx.scene.control.ProgressIndicator		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Java Detail	N/A		
Aggregation	None		
Derived Union	false		
Read Only	false		
Is ID	false		
Leaf	false		

private execurtionIndicator : javafx.scene.control.ProgressIndicator			
Description	Execution progress indicator.		
Type	javafx.scene.control.ProgressIndicator		
Allow Empty Name	false		
Getter	false	Setter	false

Derived	false
Multiplicity	Unspecified
Java Detail	N/A
Aggregation	None
Derived Union	false
Read Only	false
Is ID	false
Leaf	false

private busyLayer : javafx.scene.layout.AnchorPane			
Description	Layer which contains progress indicators.		
Type	javafx.scene.layout.AnchorPane		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Java Detail	N/A		
Aggregation	None		
Derived Union	false		
Read Only	false		
Is ID	false		
Leaf	false		

private tableResults : javafx.scene.control.TreeTableView			
Description	Execution results table.		
Template Type Bind Info	N/A		
Type	javafx.scene.control.TreeTableView		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Java Detail	N/A		
Aggregation	None		
Derived Union	false		
Read Only	false		
Is ID	false		
Leaf	false		

private nameColumn : javafx.scene.control.TreeTableColumn			
Description	Columns of execution results table.		
Type	javafx.scene.control.TreeTableColumn		
Allow Empty Name	false		

Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Java Detail	N/A		
Aggregation	None		
Derived Union	false		
Read Only	false		
Is ID	false		
Leaf	false		

private timeColumn : javafx.scene.control.TreeTableColumn			
Description	Columns of execution results table.		
Type	javafx.scene.control.TreeTableColumn		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Java Detail	N/A		
Aggregation	None		
Derived Union	false		
Read Only	false		
Is ID	false		
Leaf	false		

private inputColumn : javafx.scene.control.TreeTableColumn			
Description	Columns of execution results table.		
Type	javafx.scene.control.TreeTableColumn		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Java Detail	N/A		
Aggregation	None		
Derived Union	false		
Read Only	false		
Is ID	false		
Leaf	false		

private outputColumn : javafx.scene.control.TreeTableColumn			
Description	Columns of execution results table.		
Type	javafx.scene.control.TreeTableColumn		
Allow Empty Name	false		

Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Java Detail	N/A		
Aggregation	None		
Derived Union	false		
Read Only	false		
Is ID	false		
Leaf	false		

## Operations


protected clear () : void	
Description	Clears the model and the view.
Leaf	false
Upper	1
Ordered	false
Unique	true
Query	false

public clearHistory (event : ActionEvent)		
Parameters	event	
	Multiplicity	Unspecified
	Type	ActionEvent
	Direction	inout
Description	Limpia el visor de traza, cuando se selecciona la opción en el menú contextual.	
Leaf	false	
Ordered	false	
Unique	true	
Query	false	


public clearStatistics (event : javafx.event.ActionEvent) : void		
Parameters	event	
	Description	Event.
	Multiplicity	Unspecified
	Type	javafx.event.ActionEvent
	Direction	inout
	Java Detail	N/A
Description	Limpia el visor de traza, cuando se selecciona la opción en el menú contextual.	
Leaf	false	
Upper	1	

Ordered	false
Unique	true
Query	false

public clearTraces ()	
Description	Limpia el visor de traza y estadísticas.
Leaf	false
Ordered	false
Unique	true
Query	false

public executeBenchmark (algs : AlgorithmEntity)		
Parameters	algs	
	Description	Algoritmos a ejecutar.
	Multiplicity	1..*
	Type Modifier	[0..*]
	Type	 AlgorithmEntity
	Direction	inout
Description	Ejecuta los algoritmos de un benchmark.	
Leaf	false	
Ordered	false	
Unique	true	
Query	false	

public finishAlgExecution ()	
Description	Si se ha ejecutado un algoritmo, muestra las trazas generadas si se han seleccionado y si se ha ejecutado sólo un algoritmo. Si se ha ejecutado un benchmark, pregunta al usuario si desea abrir el archivo de salida.
Leaf	false
Ordered	false
Unique	true
Query	false

public handleBenchmarksChange (event : BenchmarksChangeEvent)		
Parameters	event	
	Description	Evento de cambio de benchmarks registrados.
	Multiplicity	Unspecified
	Type	 BenchmarksChangeEvent
	Direction	inout
Description	Actualiza el árbol de bechmarks cuando hay algún cambio.	
Leaf	false	

Ordered	false
Unique	true
Query	false

public handleClearAll (event : javafx.event.ActionEvent) : void		
Parameters	event	
	Description	Event.
	Multiplicity	Unspecified
	Type	javafx.event.ActionEvent
	Direction	inout
	Java Detail	N/A
Description	ActionEvent handler of Run button. Clear all traces.	
Leaf	false	
Upper	1	
Ordered	false	
Unique	true	
Query	false	

public handleRunAction (event : javafx.event.ActionEvent) : void		
Parameters	event	
	Description	Event.
	Multiplicity	Unspecified
	Type	javafx.event.ActionEvent
	Direction	inout
	Java Detail	N/A
Description	Handles the event thrown when Run button is pressed. Runs the selected benchmark / algorithm.	
Leaf	false	
Upper	1	
Ordered	false	
Unique	true	
Query	false	

public handleSelectInputAction (event : javafx.event.ActionEvent) : void		
Parameters	event	
	Description	Event.
	Multiplicity	Unspecified
	Type	javafx.event.ActionEvent
	Direction	inout
	Java Detail	N/A
Description	Shows a dialog box for select the input of algorithm.	



Leaf	false
Upper	1
Ordered	false
Unique	true
Query	false

**public handleSelectOutputAction (event : javafx.event.ActionEvent) : void**

Parameters	<b>event</b>	
	Description	Event.
	Multiplicity	Unspecified
	Type	javafx.event.ActionEvent
	Direction	inout
	Java Detail	N/A
Description	Shows the dialog box for select the target of algorithm results.	
Leaf	false	
Upper	1	
Ordered	false	
Unique	true	
Query	false	

**protected initBinding () : void**

Description	Inicialización del enlace de valores entre componentes de la vista y propiedades del modelo.
Leaf	false
Upper	1
Ordered	false
Unique	true
Query	false

**public initialize (url : java.net.URL, rb : java.util.ResourceBundle) : void**

Parameters	<b>url</b>	
	Description	URL of the view.
	Multiplicity	Unspecified
	Type	java.net.URL
	Direction	inout
	Java Detail	N/A
	<b>rb</b>	
	Description	Resource bundle.
	Multiplicity	Unspecified
	Type	java.util.ResourceBundle
	Direction	inout
	Java Detail	N/A

Description	Initializes the controller.
Leaf	false
Upper	1
Ordered	false
Unique	true
Query	false


protected initListeners () : void	
Description	Método que ha de ser sobrescrito por los hijos para la inicialización de los listeners de eventos de componentes de la vista.
Leaf	false
Upper	1
Ordered	false
Unique	true
Query	false

protected initModel () : void	
Description	Método que ha de ser sobrescrito por los hijos para la inicialización y carga de datos en el modelo.
Leaf	false
Upper	1
Ordered	false
Unique	true
Query	false

protected initModelBinding () : void	
Description	Initializes the bindings with the model.
Leaf	false
Upper	1
Ordered	false
Unique	true
Query	false

public showHistory ()	
Description	Muestra en el visor el archivo de traza generado.
Leaf	false
Ordered	false
Unique	true
Query	false

public showHistory (title : String, file : File)	
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Parameters	title	
	Description	Título.
	Multiplicity	Unspecified
	Type	 String
	Direction	inout
	file	
	Multiplicity	Unspecified
	Type	File
	Direction	inout
Description	Muestra en el visor un archivo.	
Leaf	false	
Ordered	false	
Unique	true	
Query	false	

protected showOpenOutputDir ()		
Description	Muestra un mensaje de confirmación, para preguntar al usuario si desea abrir el fichero de salida.	
Leaf	false	
Ordered	false	
Unique	true	
Query	false	

public showStatistics ()		
Description	Muestra las estadísticas generadas al ejecutar un algoritmo.	
Leaf	false	
Ordered	false	
Unique	true	
Query	false	

protected initValidation ()		
Description	Método que ha de ser sobrescrito por los hijos para la definición de validadores de los campos de la vista.	
Leaf	false	
Ordered	false	
Unique	true	
Query	false	

protected modelToView () : void		
Description	Método que ha de ser sobrescrito por los hijos para la actualización de la vista con los valores del modelo, cuando éstos no pueden ser enlazados mediante binding.	

Leaf	false
Upper	1
Ordered	false
Unique	true
Query	false

#### protected validate () : boolean

Description	Implementa la validación de la vista. Por defecto, comprueba las validaciones definidas con validationSupport. Se puede sobrescribir si se desea realizar validaciones adicionales.
Leaf	false
Upper	1
Ordered	false
Unique	true
Return Type Description	{@code true} if values are valids, {@code false} en otro caso.
Query	false

#### protected reload () : void

Description	Reloads the view and model.
Leaf	false
Upper	1
Ordered	false
Unique	true
Query	false


#### protected getRootPane () : javafx.scene.layout.Pane

Description	Método que debe ser sobrescrito por los hijos, y ha de devolver el panel raíz de la vista.
Leaf	false
Upper	1
Ordered	false
Unique	true
Return Type Description	Root pane.
Query	false

#### protected initView () : void


Description	Initializes the view.
Leaf	false
Upper	1
Ordered	false
Unique	true
Return Type Description	@throws IOException
Query	false


public showLog () : void	
Description	Shows the algorithm result selected log.
Leaf	false
Upper	1
Ordered	false
Unique	true
Query	false


public handleBenchamrksChange (event : BenchmarksChangeEvent) : void		
Parameters	event	
	Description	Event.
	Multiplicity	Unspecified
	Type	 BenchmarksChangeEvent
	Direction	inout
	Java Detail	N/A
Description	Handles the event BenchmarksChangeEvent published by Eventbus, and reloads view and model.	
Leaf	false	
Upper	1	
Ordered	false	
Unique	true	
Query	false	

protected execute () : void	
Description	Executes the algorithms or benchmark selected with AlgorithmExecService.
Leaf	false
Upper	1
Ordered	false
Unique	true
Query	false

protected finishAlgExecution (r : BenchmarkResult, ex : Throwable) : void
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Parameters	<b>r</b>	
	Description	Benchmark result.
	Multiplicity	Unspecified
	Type	 BenchmarkResult
	Direction	inout
	Java Detail	N/A
	<b>ex</b>	
	Description	Exception.
	Multiplicity	Unspecified
	Type	Throwable
	Direction	inout
	Java Detail	N/A
Description	Shows the results and statistics.	
Leaf	false	
Upper	1	
Ordered	false	
Unique	true	
Query	false	


protected showStatistics (statisticsFile : String) : void		
Parameters	<b>statisticsFile</b>	
	Description	Statistics file path.
	Multiplicity	Unspecified
	Type	 String
	Direction	inout
	Java Detail	N/A
Description	Loads the result statistics into a table.	
Leaf	false	
Upper	1	
Ordered	false	
Unique	true	
Query	false	

public handleSystemSaved (event : SystemSaved) : void		
Parameters	<b>event</b>	
	Description	Event.
	Multiplicity	Unspecified
	Type	 SystemSaved
	Direction	inout
	Java Detail	N/A
Description	Handles the {@link SystemSaved} event, copying the path of system into input field.	


Leaf	false
Upper	1
Ordered	false
Unique	true
Query	false

public handleGenerateSystem (event : javafx.event.ActionEvent) : void		
Parameters	event	
	Description	Action event.
	Multiplicity	Unspecified
	Type	javafx.event.ActionEvent
	Direction	inout
	Java Detail	N/A
Description	Shows the generator panel for generate a random system.	
Leaf	false	
Upper	1	
Ordered	false	
Unique	true	
Query	false	

protected handleDeleteInputAction (event : javafx.event.ActionEvent) : void		
Parameters	event	
	Description	Event.
	Multiplicity	Unspecified
	Type	javafx.event.ActionEvent
	Direction	inout
	Java Detail	N/A
Description	Removes the selected items from the list.	
Leaf	false	
Upper	1	
Ordered	false	
Unique	true	
Query	false	

protected loadInputFiles (benchmark : String) : void		
Parameters	benchmark	
	Description	Benchmark's name.
	Multiplicity	Unspecified
	Type	 String
	Direction	inout
	Java Detail	N/A
Description	Loads the input files defined for the selected benchmark.	

Leaf	false
Upper	1
Ordered	false
Unique	true
Query	false

private getData (benchResult : BenchmarkResult) : javafx.scene.control.TreeItem		
Parameters	benchResult	
	Description	Benchmark results.
	Multiplicity	Unspecified
	Type	 BenchmarkResult
	Direction	inout
	Java Detail	N/A
Description	Loads the benchmark results into a TreeTableView hierarchy.	
Leaf	false	
Upper	1	
Template Type Bind Info	N/A	
Ordered	false	
Unique	true	
Return Type Description	TreeItem	
Query	false	

## RunBenchmarkModel

Name	Value
Description	Benchmarks execution model.
Active	false
Business Key Mutable	true
Java Detail	N/A
Business Model	false
Visibility	public
Leaf	false
Root	false

## Attributes

private historyChecked : javafx.beans.property.BooleanProperty			
Description	If the history mode is checked.		
Type	javafx.beans.property.BooleanProperty		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	1		
Java Detail	N/A		




Aggregation	None
Derived Union	false
Read Only	false
Is ID	false
Leaf	false

private timeChecked : javafx.beans.property.BooleanProperty			
Description	Si la ejecución se realiza con traza. Esta propiedad es enlazada al componente chkHHistory de RunBenchmark.fxml.		
Type	javafx.beans.property.BooleanProperty		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	1		
Java Detail	N/A		
Aggregation	None		
Derived Union	false		
Read Only	false		
Is ID	false		
Leaf	false		

private statisticsChecked : javafx.beans.property.BooleanProperty			
Description	Si la ejecución se realiza con traza. Esta propiedad es enlazada al componente chkHHistory de RunBenchmark.fxml.		
Type	javafx.beans.property.BooleanProperty		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	1		
Java Detail	N/A		
Aggregation	None		
Derived Union	false		
Read Only	false		
Is ID	false		
Leaf	false		

private benchmarks : java.util.List			
Description	Available benchmarks.		
Stereotypes	Property		
Template Type Bind Info	N/A		
Type	java.util.List		
Allow Empty Name	false		
Getter	true	Setter	true

Derived	false
Multiplicity	*
Java Detail	N/A
Aggregation	None
Derived Union	false
Read Only	false
Is ID	false
Leaf	false


private selectedBenchmark : Benchmark			
Description	Selected benchmark.		
Stereotypes	Property		
Type	 Benchmark		
Allow Empty Name	false		
Getter	true	Setter	false
Derived	false		
Multiplicity	Unspecified		
Java Detail	N/A		
Aggregation	None		
Derived Union	false		
Read Only	false		
Is ID	false		
Leaf	false		

private selectedInputFilesListProperty : javafx.beans.property.ListProperty			
Description	Input files list property.		
Template Type Bind Info	N/A		
Type	javafx.beans.property.ListProperty		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Java Detail	N/A		
Aggregation	None		
Derived Union	false		
Read Only	false		
Is ID	false		
Leaf	false		


private outputDirProperty : javafx.beans.property.StringProperty	
Description	Path output file property.*
Type	javafx.beans.property.StringProperty

Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Java Detail	N/A		
Aggregation	None		
Derived Union	false		
Read Only	false		
Is ID	false		
Leaf	false		

private outputTypeProperty : javafx.beans.property.IntegerProperty			
Description	Output file type selected.		
Type	javafx.beans.property.IntegerProperty		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Java Detail	N/A		
Aggregation	None		
Derived Union	false		
Read Only	false		
Is ID	false		
Leaf	false		

private selectedAlgorithm : AlgorithmInfo			
Description	When the selection is an algorithm.		
Stereotypes	Property		
Type	 AlgorithmInfo		
Allow Empty Name	false		
Getter	true	Setter	true
Derived	false		
Multiplicity	Unspecified		
Java Detail	N/A		
Aggregation	None		
Derived Union	false		
Read Only	false		
Is ID	false		
Leaf	false		

private lastExecutionResult : BenchmarkResult			
Description	Last execution result.		

Stereotypes	Property		
Type	 BenchmarkResult		
Allow Empty Name	false		
Getter	true	Setter	true
Derived	false		
Multiplicity	Unspecified		
Java Detail	N/A		
Aggregation	None		
Derived Union	false		
Read Only	false		
Is ID	false		
Leaf	false		

## Operations

public getDefaultOutput () : String	
Description	Devuelve la ruta por defecto del archivo de salida de un algoritmo. La ruta por defecto si lo que hay seleccionado es un algoritmo, es el archivo [abreviatura_alg]_output.txt en la carpeta output del workspace actual.  Si hay seleccionado un benchmark, será el archivo [abreviatura_alg]_output.txt en la carpeta del benchmark en el workspace actual.
Leaf	false
Ordered	false
Unique	true
Query	false

public getSelectedAlgorithms () : java.util.List	
Description	Selected algorithms.
Leaf	false
Upper	1
Template Type Bind Info	N/A
Ordered	false
Unique	true
Return Type Description	List of selected algorithms.
Query	false

public historyCheckedProperty () : javafx.beans.property.BooleanProperty	
Description	If the history mode is checked.
Leaf	false
Upper	1
Ordered	false
Unique	true

Return Type Description	the historyChecked
Query	false

public isHistoryChecked () : boolean	
Description	If the history mode is checked.
Leaf	false
Upper	1
Ordered	false
Unique	true
Return Type Description	{@code true} if the history mode is checked, {@code false} otherwise.
Query	false

public isStatisticsChecked () : boolean	
Description	Devuelve el valor booleano de la propiedad historyChecked.
Leaf	false
Upper	1
Ordered	false
Unique	true
Return Type Description	{@code true} if the statistics mode is checked, {@code false} otherwise.
Query	false

public isTimeChecked () : boolean	
Description	Devuelve el valor booleano de la propiedad historyChecked.
Leaf	false
Upper	1
Ordered	false
Unique	true
Return Type Description	{@code true} if the Time mode is checked, {@code false} otherwise.
Query	false

public statisticsCheckedProperty () : javafx.beans.property.BooleanProperty	
Description	Devuelve la propiedad historyChecked.
Leaf	false
Upper	1
Ordered	false
Unique	true
Return Type Description	the statisticsChecked
Query	false

public timeCheckedProperty () : javafx.beans.property.BooleanProperty	
Description	Devuelve la propiedad historyChecked.
Leaf	false
Upper	1

Ordered	false
Unique	true
Return Type Description	the timeChecked
Query	false

public RunBenchmarkModel ()	
Description	Constructor.
Leaf	false
Upper	1
Ordered	false
Unique	true
Query	false

public selectedInputFilesListProperty () : javafx.beans.property.ListProperty	
Description	Path input file property.
Leaf	false
Upper	1
Template Type Bind Info	N/A
Ordered	false
Unique	true
Return Type Description	StringProperty.
Query	false

public getSelectedInputFiles () : java.util.List	
Leaf	false
Upper	1
Template Type Bind Info	N/A
Ordered	false
Unique	true
Query	false

public outputDirProperty () : javafx.beans.property.StringProperty	
Description	Path output dir property.
Leaf	false
Upper	1
Ordered	false
Unique	true
Return Type Description	StringProperty.
Query	false

public getOutputDir () : String	
Description	Path output file.
Leaf	false

Upper	1
Ordered	false
Unique	true
Return Type Description	the outputFile
Query	false

public outputTypeProperty () : javafx.beans.property.IntegerProperty	
Description	Output type property.
Leaf	false
Upper	1
Ordered	false
Unique	true
Return Type Description	StringProperty.
Query	false

public getOutputType () : Integer	
Description	Output file type.
Leaf	false
Upper	1
Ordered	false
Unique	true
Return Type Description	the output type.
Query	false

public getOutputFileType () : String	
Description	Returns the file type from the selected output type.
Leaf	false
Upper	1
Ordered	false
Unique	true
Return Type Description	File Type.
Query	false



## BenchmarkSelectionListener

Name	Value
Description	<p>Benchmarks tree listener.</p> <ul style="list-style-type: none"> <li>* When a benchmark is selected, the output field is initialized with benchmark output dir and is disabled.</li> <li>* In this case, the mode checks and console outputs are disabled too.</li> <li>* If the selection is an algorithm, the output field is enabled and initialized with the path of algorithm default</li> </ul>

	<p>* output file.</p> <p>* If the selection is more than one algorithm, the output field is cleared and disabled.</p> <p>* If the selection contains benchmarks and algorithms the output field is cleared and the Run button disabled.</p>
Active	false
Business Key Mutable	true
Business Model	false
Visibility	protected
Leaf	false
Root	false
Stereotypes	listener

## Operations

public changed (observable : ObservableValue, oldItem : TreeItem, newItem : TreeItem)		
Parameters	observable	
	Multiplicity	Unspecified
	Type	ObservableValue
	Direction	inout
	oldItem	
	Multiplicity	Unspecified
	Type	TreeItem
	Direction	inout
	newItem	
	Multiplicity	Unspecified
	Type	TreeItem
	Direction	inout
Leaf	false	
Ordered	false	
Unique	true	
Query	false	