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Grid View Model

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Instantiate the `GridViewModel` class found within the `InfoArch.Web.Mvc.Grid` namespace, allows us to configure all settings that the grid component require. This class facilitates the configuration of grid settings, encompassing tasks such as configuring link for the save of state, link for the execution of drill-through reports, loading of parameters and establishing database connections.

Constructors

Name	Description
<code>GridViewModel()</code>	Initializes a new instance of the <code>GridViewModel</code> class
<code>GridViewModel(parameters)</code>	Initializes a new instance of the <code>GridViewModel</code> class

GridViewModel() Constructor

This is the default constructor for the `GridViewModel` class, which creates a new instance and initializes all properties to their default values.

GridViewModel(parameters) Constructor

This is the main constructor, it has the following parameters:

PARAMETER	TYPE	DESCRIPTION
memoryStream	<i>MemoryStream</i>	Represents in-memory data flow for definition (.dRepX).

PARAMETER	TYPE	DESCRIPTION
connectionString	<i>String</i>	The connection string used by the component to retrieve its data. See connection strings.
gridId	<i>String</i>	Definition Identifier.
htmlFormId	<i>String</i>	Form Identifier of the element containing the grid component.
rowsPerPage	<i>Int</i>	This option specifies how many records be displayed per page in the Grid component. Default value: 20
enableColumnFinderFeature	<i>Bool</i>	This option allows you to show or hide search section in the ColumnSelector component. Default value: false
isGridPagerSimpleMode	<i>Bool</i>	Enable the simplified pager. Default value: true
fullGridControllerActionPath	<i>String</i>	A String object that specifies the absolute path where the application is hosted to perform the build of the internal path handled by the component. The recommended path could be the following: <code>HttpContext.Request.Url.AbsolutePath</code> Default value: Empty
gridActionName	<i>String</i>	A String object that specifies the controller action method to perform the call back to the grid component. Default value: Empty
drillThroughControllerAction	<i>String</i>	A String object that specifies the controller action method to perform the drill-through

PARAMETER	TYPE	DESCRIPTION
		execution. Default value: Empty
saveGridControllerAction	<i>String</i>	A String object that specifies the cor action method to perform the save s action. Default value: Empty
exportToExcelGridControllerAction	<i>String</i>	A String object that specifies the cor action method to perform the Excel exportation action. Default value: Empty

Methods

SetState

Sets the state of the grid. It receives a `DRevealDataStructure` object with the current state of the grid component.

Definition

```
public void SetState(DRevealDataStructure gridState)
```

SetParameters

Sets the global parameters the parameters can be created in the grid definition from its designer, and assigned from the web grid component programmatically. It receives a `ParameterItems` object provided by the hosting application.

Definition

```
public void SetParameters(ParameterItems userParameters)
```

SetCulture

Sets culture and receives a `CultureInfo` object provided by the hosting application.

Definition

```
public void SetCulture(CultureInfo clientCulture)
```

LoadDataDrillThrough

Loads the Drill-Through structure when the action executed is **perform Drill-Through** on grid component. It receives a `string` object that has parameters required for build it.

Definition

```
public void LoadDataDrillThrough(string drillThroughParameters)
```

Serialize

Serializes all structures needed to save grid component status.

Definition

```
public string Serialize()
```

Returns `string` object encrypted.

AssignUserCustomizationDefinitionModel

Assigns the user customization definition model. It receives an encrypted `string` object, which is the result of the `Serialize` method.

Definition

```
public void AssignUserCustomizationDefinitionModel(string userCustomization)
```

UpdateCustomization

Updates the user customization properties, including applied filters and conditions within the grid component.

Definition

```
public void UpdateCustomization()
```

SetCleanColumnsOption

Sets the setting to remove unused columns in the database query generated by the grid component.

Definition

```
public void SetCleanColumnsOption(bool clean)
```

LoadInitialConfiguration

The `LoadInitialConfiguration` method in `GridViewModel` initializes the configuration and prepare the all properties required by the grid component.

Example

```
1  GridViewModel viewModel = new GridViewModel(  
2      memoryStream: fileStream,  
3      connectionString: " Data Source=MyServer; Initial Catalog=myDatabase;  
    User ID=myUser; Password=myPassword",  
4      gridId: "grid_id",  
5      htmlFormId: "main_form",  
6      rowsPerPage: 15,  
7      enableColumnFinderFeature: true,  
8      isGridPagerSimpleMode: true,  
9      fullGridControllerActionPath: HttpContext.Request.Url.AbsolutePath,  
10     gridActionName: string.Empty,  
11     drillThroughControllerAction: string.Empty,  
12     saveGridControllerAction: string.Empty,  
13     exportToExcelGridControllerAction: string.Empty  
14 );  
15  
16 viewModel.LoadInitialConfiguration();
```

