

# Datalist Binder Plugin

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## Usages

- Used to extend methods of loading data for a Datalist. Please refer to [Datalis Builder - Source](#).
- A useable Datalist Binder plugin must extends [org.joget.apps.datalist.model.DataListBinderDefault](#) abstract class.

## Abstract Class

### org.joget.apps.datalist.model.DataListBinderDefault

- Under wflow-core module
- Extended [org.joget.plugin.base.ExtDefaultPlugin](#). Please refer to [Plugin Base Abstract Class and Interface](#).
- Implemented [org.joget.plugin.property.model.PropertyEditable](#). Please refer to [Plugin Base Abstract Class and Interface](#).
- A base abstract class to develop a Datalist Binder Plugin.

### Field Detail

#### Constants

USERVIEW\_KEY\_SYNTAX

```
public static final String USERVIEW_KEY_SYNTAX = "#userviewKey#";
```

Not using by system. Can be use as a syntax to replace it with userview key value.

### Method Detail

#### Abstract Methods

getColumnns

```
public org.joget.apps.datalist.model.DataListColumn[] getColumnns()
```

Columns meta returned by the binder. Field "name", "label" and "sortable" are needed by system.

getPrimaryKeyColumnName

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

The primary key / identifier column for the data

getData

```
public org.joget.apps.datalist.model.DataListCollection getData(org.joget.apps.datalist.model.DataList dataList, java.util.Map properties, org.joget.apps.datalist.model.DataListFilterQueryObject[] filterQueryObjects, java.lang.String sort, java.lang.Boolean desc, java.lang.Integer start, java.lang.Integer rows)
```

The data rows returned by the binder based on the current filter.

`getDataTotalRowCount`

```
public int getDataTotalRowCount(org.joget.apps.datalist.model.DataList dataList, java.util.Map properties,
org.joget.apps.datalist.model.DataListFilterQueryObject[] filterQueryObjects)
```

Total number of rows returned based on the current filter.

#### Overridable Methods

`getColumnName`

```
public java.lang.String getColumnName(java.lang.String name)
```

To get the actual column name

`processFilterQueryObjects`

```
public org.joget.apps.datalist.model.DataListFilterQueryObject processFilterQueryObjects(org.joget.apps.
datalist.model.DataListFilterQueryObject[] filterQueryObjects)
```

Construct filter conditions

#### Plugin Properties Options

- Please refer to [Plugin Properties Options](#) for more information.

#### Tutorials

- [Guideline for developing a plugin](#)
- [How to develop an Amazon S3 Datalist Binder](#)

#### Related Community Plugins

- **Form Data Binder**  
`org.joget.apps.datalist.lib.FormRowDataListBinder (wflow-core)`