

Tapestry5GridComponent

How to re-order columns

To change the order of columns in a Grid component you can add the "reroder" attribute:

```
<t:grid t:source="list" reorder="id,firstname,lastname"/>
```

How to hide a column

If you want to hide a column from the Grid:

- Tapestry 5.1:

```
<t:grid t:source="list" exclude="id"/>
```

- Tapestry:

```
<t:grid t:source="list" remove="id"/>
```

How link an entry to another page

The person's lastname shall be linked to a page "person/\$ID"

```
<t:grid t:source="list" row="person">
  <t:parameter name="lastnameCell">
    <t:pagelink t:page="person" t:context="person.id">${person.lastname}</t:pagelink>
  </t:parameter>
</t:grid>
```

How to add an extra column

You want to add an extra column called "details" to each line that does not have a field in the POJO:

```
<t:grid t:source="list" add="details" row="person">
  <t:parameter name="detailsCell"> <!-- just invent a cell name -->
    <t:pagelink t:page="person" t:context="[person.id,person.lastname]">${person.lastname}</t:pagelink>
  </t:parameter>
</t:grid>
```

Unfortunately a change in the page class may also be required (if you don't use the "add" parameter above, or have a special model).

```
public class Page {
    @Inject
    private BeanModelSource beanModelSource;
    @Inject
    private ComponentResources resources;
    private BeanModel model;

    void pageLoaded() {
        this.model = beanModelSource.create(Person.class, true, resources);
        this.model.add("details", null);
    }
    ...
}
```

How to add a sortable column

With the above code the column will not be sortable. To make it sortable use

```
this.model.add("details",null).sortable(true);
```

How to disable sorting for a column

It is very likely possible to disable sorting for a column. How is that done? One solution is to create a specific [BeanModel](#) for your Grid :

- Template part :

```
<t:grid t:source="list" model="model"/>
```

- Java part :

```
/** The model. */
@Retain
private BeanModel model;

/** The bean model source. */
@Inject
private BeanModelSource beanModelSource;

/** The resources. */
@Inject
private ComponentResources resources;

/**
 * Page loaded.
 */
void pageLoaded() {
    BeanModel model = beanModelSource.create(Entity.class, false, resources);
    model.get("XXX").sortable(false);
}
```

How to define the initial sort column

- Template part :

```
<t:grid t:source="list" t:id="theGrid"/>
```

- Java part :

```
/** The form. */
@Component
private Grid theGrid;

@SetupRender
public void setupGrid() {
    theGrid.getSortModel().updateSort("XXX");
}
```

How to rename a column

You want to rename column called "name" to "account":

- Template part :

```
<t:grid t:source="bill" model="model" />
```

- Java part :

```
public class Page {  
    /** The model. */  
    @Retain  
    private BeanModel model;  
  
    /** The bean model source. */  
    @Inject  
    private BeanModelSource beanModelSource;  
  
    /** The resources. */  
    @Inject  
    private ComponentResources resources;  
  
    void pageLoaded() {  
        this.model = beanModelSource.createDisplayModel(DeviceEquipment.class, resources.getMessages());  
        this.model.include("name");  
        this.model.get("name").label("account"); // Rename column  
    }  
    ...  
}
```

Grid component reference

See <http://tapestry.apache.org/current/apidocs/org/apache/tapestry5/corelib/components/Grid.html>