

# How to add custom columns to UI-FW

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## Add custom columns to UI-FW

To add new columns, with data coming from external sources, you would just have to slightly modify the presentation layer of UI-FW. Two tables are used as in version 5.2.1, the original table, found in [tasks.jsp](#) and the automatically refreshed data found in [updates.jsp](#). The data used for the two jsps is accessed via [JSTL](#) and the original data is produced by the [TasksAction](#) java class.

The css used throughout UI-FW is named [style.css](#) and can be modify as needed.

Tasks		Notifications	Processes		
Task State	Description	Creation Date/Time	Due Date	Priority	
READY	<a href="#">Task For Ewilliams</a>	Tue Sep 09 19:44:44 JST 2008			
CLAIMED	<a href="#">Task For Admin</a>	Tue Sep 09 19:44:45 JST 2008			
READY		Fri Sep 12 18:40:35 JST 2008			
READY		Fri Sep 12 18:41:57 JST 2008			

## Sort by priority

By default, TasksAction, when calling the Task Management Service, ask the tasks to be ordered by creation date, as can be seen in:

```
String pToken = getParticipantToken();
ITaskManagementService taskManager = getTMS(pToken);
if (_log.isDebugEnabled()) {
    _log.debug("Try to get Task List for participant token " + pToken);
}
Task[] tasks = taskManager.getAvailableTasks("Task", "ORDER BY T._creationDate");
```

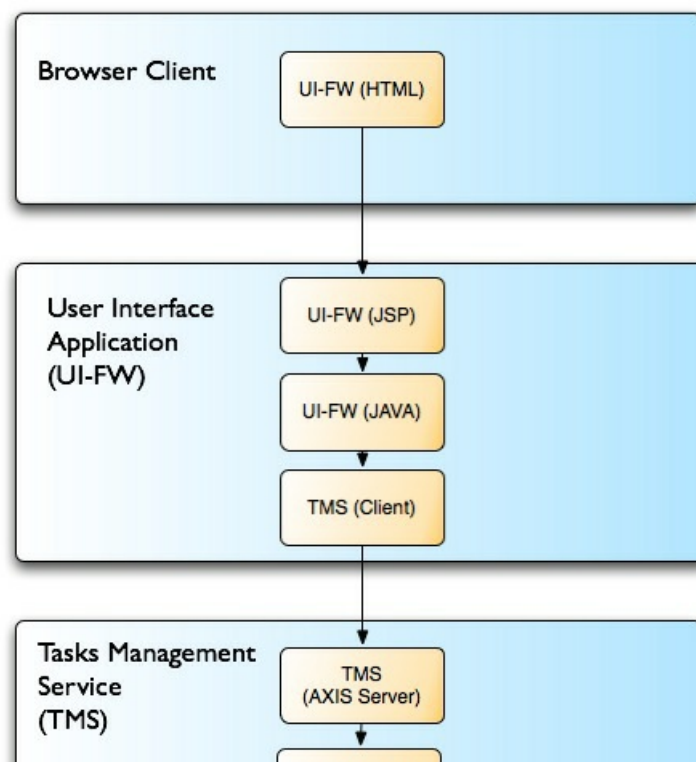
To sort tasks by priority, you would change the request to the server in the above code to:

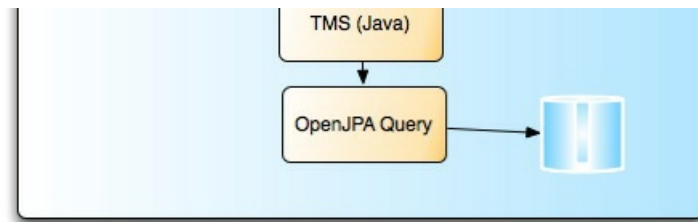
```
Task[] tasks = taskManager.getAvailableTasks("Task", "ORDER BY T._priority");
```

Of course, you could also make this dynamic and have a parameter set to parse the query on the client side. This is implemented only in the portlet version of UI-FW for now.

## Data flow

The diagram below is showing the complete data flow, throughout the User Interface Application, form the user browser to the database.





## Comments

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