The Magnolia UI module is responsible for the user interface of the Magnolia AdminCentral back end. It provides various UI frameworks for other parts of Magnolia such as content apps.

- Installing
- Module structure

### Installing

There is usually no need to install the Magnolia UI project. Every preconfigured Magnolia bundle already contains the required UI submodules. The Magnolia BOM file manages the versions for dependent UI modules.

If you have a custom webapp that is completely independent from any preconfigured Magnolia webapp, here is how you should add the UI project submodules to it:

1. In your parent POM, import dependency management from the UI project.

```xml
<properties>
  <magnoliaUiVersion>6.2</magnoliaUiVersion>
  <javaVersion>1.8</javaVersion>
</properties>

<dependencyManagement>
  <dependencies>
    <dependency>
      <groupId>info.magnolia.ui</groupId>
      <artifactId>magnolia-ui-project</artifactId>
      <version>${magnoliaUiVersion}</version>
      <type>pom</type>
      <scope>import</scope>
    </dependency>
  </dependencies>
</dependencyManagement>
```

2. In the POM of your webapp, add the UI submodules you rely on. The following is a typical configuration (from the magnolia-empty-webapp):

```xml
<!-- ... -->
<properties>
  <magnoliaUiVersion>6.2</magnoliaUiVersion>
  <javaVersion>1.8</javaVersion>
</properties>

<dependencyManagement>
  <dependencies>
    <dependency>
      <groupId>info.magnolia.ui</groupId>
      <artifactId>magnolia-ui-project</artifactId>
      <version>${magnoliaUiVersion}</version>
      <type>pom</type>
      <scope>import</scope>
    </dependency>
  </dependencies>
</dependencyManagement>
```
Module structure

Here is a list of all modules in version 6.2 of the Magnolia UI project. The list includes both the Maven modules and the Magnolia modules.

<table>
<thead>
<tr>
<th>Maven groupId</th>
<th>artifactID</th>
<th>Function</th>
<th>Magnolia module name(s)¹</th>
</tr>
</thead>
<tbody>
<tr>
<td>info.magnolia.ui</td>
<td>magnolia-ui-project</td>
<td>Parent reactor</td>
<td>—</td>
</tr>
<tr>
<td>info.magnolia.ui</td>
<td>magnolia-ui-framework</td>
<td><strong>The primary module/SDK for Magnolia app development</strong>&lt;br&gt;This provides (among others) the content app framework, IoC support for UI components and scopes, Vaadin 8 data-binding facilities and UI view/state management.&lt;br&gt;It also offers convenience builders for selected Magnolia UI components (for example, alerts and dialogs).</td>
<td>ui-framework-core</td>
</tr>
<tr>
<td>info. magnolia.ui magnolia-ui-api</td>
<td>This defines some core components for the UI such as Action, App, SubApp, Message and others.</td>
<td>—</td>
<td></td>
</tr>
<tr>
<td>info. magnolia.ui magnolia-ui-framework-jcr</td>
<td>JCR implementation of the Magnolia 6 UI framework</td>
<td>ui-framework-jcr</td>
<td></td>
</tr>
<tr>
<td>info. magnolia.ui magnolia-ui-admincentral magnolia-admincentral</td>
<td>Magnolia 6 AdminCentral, an OS-like web application running Magnolia apps. This is where authors enter, preview and publish content and where administrators configure Magnolia.</td>
<td>admincentral</td>
<td></td>
</tr>
<tr>
<td>info. magnolia.ui magnolia-resurface-theme</td>
<td>Magnolia 6 Vaadin theme based on Valo</td>
<td>—</td>
<td></td>
</tr>
<tr>
<td>info. magnolia.ui magnolia-ui-vaadin-common-widgets</td>
<td>Magnolia custom Vaadin/GWT components and extensions</td>
<td>—</td>
<td></td>
</tr>
<tr>
<td>info. magnolia.ui magnolia-ui-mediaeditor</td>
<td>Magnolia 6 UI Media Editor</td>
<td>ui-mediaeditor</td>
<td></td>
</tr>
</tbody>
</table>

**Magnolia stock apps**

| info. magnolia.about magnolia-about-app | About Magnolia app | about-app |
| info. magnolia.jcrbrowser magnolia-jcr-browser-app | JCR browser app | jcr-browser-app |
| info. magnolia.messages magnolia-messages-app | Messages app | messages-app |
| info. magnolia.sample magnolia-sample-app | Sample app | sample-app |
| info. magnolia.security magnolia-security-app | **Security app** | security-app |
| info. magnolia.task magnolia-tasks-app | **Tasks app** | tasks-app |

### Magnolia 5 compatibility

| info. magnolia.ui magnolia-ui-admincentral | **Magnolia 5 AdminCentral**
Accessible via /magnolia/admincentral-m5 for compatibility and migration purposes |
| info. magnolia.ui magnolia-ui-framework-compatibility | **This module brings support for running Magnolia 5 content apps in Magnolia 6.**
In particular, it contains former Magnolia 5 content-app components such as the workbench, forms and dialogs or image provider. It also provides JCR implementations of the deprecated Vaadin 7 Data API (for example, `JcrNodeA` dapter and `HierarchicalJcrContainer`).

The following Magnolia 5 Maven modules have been relocated to this module:

- magnolia-ui-actionbar
- magnolia-ui-contentapp
- magnolia-ui-dialog
- magnolia-ui-form
- magnolia-ui-imageprovider
- magnolia-ui-vaadin-integration
- magnolia-ui-workbench |

| info. magnolia.ui magnolia-ui-vaadin-theme | **Magnolia 5 Vaadin theme** | -- |

1) **Magnolia modules** that belong to the given Maven submodule