MyFaces CODI Demo

Example myfaces-codi-demo can be browsed at
https://github.com/apache/tomee/tree/master/examples/myfaces-codi-demo

<h2>Steps to run the example</h2>

Build and start the demo:

```
mvn clean package tomee:run
```

Open:

```
http://localhost:8080/myfaces-codi-1.0-SNAPSHOT/
```

This example shows how to improve JSF2/CDI/BV/JPA applications with features provided by Apache MyFaces CODI and ExtVal.

<h2>Intro of MyFaces CODI and ExtVal</h2>

The Apache MyFaces Extensions CDI project (aka CODI) hosts portable extensions for Contexts and Dependency Injection (CDI - JSR 299). CODI is a toolbox for your CDI application. Like CDI itself CODI is focused on type-safety. It is a modularized and extensible framework. So it's easy to choose the needed parts to facilitate the daily work in your project.

MyFaces Extensions Validator (aka ExtVal) is a JSF centric validation framework which is compatible with JSF 1.x and JSF 2.x. This example shows how it improves the default integration of Bean-Validation (JSR-303) with JSF2 as well as meta-data based cross-field validation.

<h2>Illustrated Features</h2>

<h3>Apache MyFaces CODI</h3>


```html
<li><a href="./src/main/java/org/superbiz/myfaces/view/config/Pages.java" target=
"_blank">Type-safe view-config</a></li>
<li><a href="./src/main/java/org/superbiz/myfaces/view/InfoPage.java" target="_blank"
>Type-safe (custom) view-meta-data</a></li>
<li><a href="./src/main/java/org/superbiz/myfaces/view/MenuBean.java" target="_blank"
>Type-safe navigation</a></li>
<li><a href="./src/main/java/org/superbiz/myfaces/CustomJsfModuleConfig.java" target=
"_blank">Type-safe (specialized) config</a></li>
<li><a href="./src/main/java/org/superbiz/myfaces/CustomProjectStage.java" target=
"_blank">Type-safe custom project-stage</a></li>
<li><a href="./src/main/java/org/superbiz/myfaces/view/UserHolder.java" target="
_blank">@WindowScoped</a></li>
<li><a href="./src/main/java/org/superbiz/myfaces/view/MenuBean.java" target="_blank"
>Controlling CODI scopes with WindowContext</a></li>
<li><a href="./src/main/java/org/superbiz/myfaces/view/FeedbackPage.java" target=
"_blank">@ViewAccessScoped</a></li>
<li><a href="./src/main/java/org/superbiz/myfaces/view/FeedbackPage.java" target=
"_blank">Manual conversation handling</a></li>
<li><a href=
"./src/main/java/org/superbiz/myfaces/view/security/LoginAccessDecisionVoter.java"
target="_blank">Secured pages (AccessDecisionVoter)</a></li>
<li><a href="./src/main/java/org/superbiz/myfaces/repository/Repository.java" target=
"_blank">@Transactional</a></li>
<li><a href="./src/main/java/org/superbiz/myfaces/view/RegistrationPage.java" target=
"_blank">I18n (fluent API)</a></li>
<li><a href=
"./src/main/java/org/superbiz/myfaces/domain/validation/UniqueUserNameValidator.java"
target="_blank">Dependency-Injection for JSR303 (BV) constraint-validators</a></li>
<li><a href="./src/main/java/org/superbiz/myfaces/DebugPhaseListener.java" target=
"_blank">Dependency-Injection for JSF phase-listeners</a></li>
</ul>

<h3>Apache MyFaces ExtVal</h3>

<ul>
<li><a href="./src/main/java/org/superbiz/myfaces/view/RegistrationPage.java" target=
"_blank">Cross-Field validation (@Equals)</a></li>
<li><a href="./src/main/java/org/superbiz/myfaces/view/RegistrationPage.java" target=
"_blank">Type-safe group-validation (@BeanValidation) for JSF action-methods</a></li>
</ul>
```