

MyFaces CODI Demo

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

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<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>

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

Apache MyFaces ExtVal

- [Cross-Field validation \(@Equals\)](/src/main/java/org/superbiz/myfaces/view/RegistrationPage.java)
- [Type-safe group-validation \(@BeanValidation\) for JSF action-methods](/src/main/java/org/superbiz/myfaces/view/RegistrationPage.java)