Course Overview

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* 8h30 (10m): What did we do last week?

* 8h40 (60m): Theory, new stuff

* 10h20 (40m): Review & Practice

* 10h30 (15m): Break

* 10h45 (60m): Review & Practice

Evaluation

What do I need to know for the first semester

Evaluation

* No written examination

* Evaluation of the application Resort (JSF/JPA)

* Defending implementation in team (20min)

* Individual Evaluation

Quotation

* Comprehension of the code

* Functionality

* Coding Standard

* Originality

JSF Tags
Quick overview

Introduction to JSF

JSF Tags

* Renders HTML

* Bind value & action to Controller

* Restrictif (<> HTML)

* Namespaced (!! java.sun.com >> jcs.org)

Bootstrap

* HTML5, CSS (and a bit of JS)

* Responsive Design

* Free to use, current industry standard

* Extra attributes for rendering

Bootstrap + JSF

* Restrictive (JSF)
  VS
  Custom Descriptif (Bootstrap)

* JSF 2.2 => passthrough namespace

```
<html
    xmlns:h=“http://xmlns.jcp.org/jsf/html”
    xmlns:p=“http://xmlns.jcp.org/jsf/passthrough">
  …
  <h:inputText  p:placeholder=“Fill data in" />
  …
</html>
```

JSF Input-tags

* Must be embedded in h:form-tag

* Binds the html-form value to a Dto

* Submit is wired to action on the client

* http://www.tutorialspoint.com/jsf/jsf_basic_tags.htm

JSF Templating

* Used for avoiding duplication of data

* ui:define : A template is created, you can add custom code in defined places

* ui:insert : A piece of code is inserted in the page

* http://www.tutorialspoint.com/jsf/jsf_templates_tag.htm

JSF Helpers

* Convertors : Easy code formatters

    * http://www.tutorialspoint.com/jsf/
      jsf_convertor_tags.htm

* Validation: Basic input validation

    * http://www.tutorialspoint.com/jsf/
      jsf_validation_tags.htm

* <h:messages/>

JSF

* ## For each

```
<ui:repeat value="${parkOverview.dto.parks} var="park">
 <li>${park.name} (${park.country})</li>
</ui:repeat>
```

* ## If

```
<ui:fragment rendered="${!sessionDto.userDto.loggedIn}">
   <li><a href="login.xhtml">Login</a></li>
</ui:fragment>>
```

Expose ClassDiagram