Developing Web Applications Using JSF Technologies

Cursusduur: 3 Dagen Cursuscode: SL-340-EE6

Beschrijving:
JavaServer™ Faces technology, the server-side component framework designed to simplify the development of user interfaces for Java EE applications, has been simplified and improved, especially in the area of page authoring. Facelets is a powerful but lightweight page declaration language to design JavaServer Faces views using HTML style templates and to build component trees. Facelets also enables code reuse through templating and can significantly reduce the time to develop and deploy user interfaces. Included in Java EE 6, the JSF 2.0 standard further simplifies the web application development.

The Developing Web Applications Using JSF Technologies course provides an in-depth introduction to the JSF 2.0 technology. Students perform the course lab exercises using the NetBeans IDE and the GlassFish Application Server v3. This course supports Oracle Certified Professional, Java Platform, Enterprise Edition 6 JavaServer Faces Developer.

Doelgroep:
Java EE Developer J2EE Developer Java Developer

Doelstelling:
- Design web applications using standard architectures, protocols, technologies and components
- Integrate models and views using events
- Configure JSF within the Web Container
- Validate application data
- Design views using JSF and EL
- Application data conversion
- Design custom components using Facelets
- Identify, Capture, and Resolve Errors
- Design and develop the model using JavaBeans or Pojos
- Integrate Security
- Integrate external resources such as JPA within Web Application
- Test, package and deploy applications
- Integrate navigation flow/redirect
- Design and develop the model using JavaBeans or Pojos

Vereiste kennis en vaardigheden:
- Have a good understanding of the Java Programming Language
- Understand the fundamentals of web applications and HTTP protocol
- Developing Applications for the Java EE 6 Platform (FJ-310-EE6)
- Java Programming Language, Java SE 6 (SL-275-SE6)
### Cursusinhoud:

#### Getting Started with JavaServer Faces

- Understand common requirements for Web Applications
- Describe the JSF Web Application framework
- Describe the architecture of the JSF Web Applications
- Describe the View Description Language (VDL)
- Understand the role and structure of Managed Beans
- Describe navigation rules and cases
- Use Java EE Resources in Managed Beans
- Use ut:define to populate the template
- Understand the implicit navigation rules in JSF 2.0
- Understand static and dynamic navigations
- Configure navigation rules and cases
- Understand the navigation rule declaration syntax
- Understand the navigation evaluation process
- Understand the data conversion and validating process
- Use standard data converters and standard data validators
- Configure default validators
- Use JSR-303 Bean Validation
- Work with conversion and validation messages
- Use Error Messages
- Use Resource Bundles in JSF Pages
- Develop custom validators and converters
- Use the DataTable Component
- Use the Facelets AJAX tag
- Understand the Facelets UI Tag Library
- Understand Facelet Templating
- Use ui:insert to define templates
- Use ui:composition to specify the template page
- Understand the concept of composite UI components
- Understand the elements of a composite component
- Understand JSF application resource libraries
- Design composite components
- Store composite components as resources
- Understand the life cycle of JSF request processing
- Understand life cycle events in JSF
- Understand value change events
- Use action events
- Register event listenets
- Understand the event model enhancements
- Understand JSF Web Application Stages
- Configure the state maintenance method
- Understand the application configuration loading process
- Install and upgrade JSF for a web container
- Deploy JSF web applications to the web container
- Test and verify the JSF application
- Configure security for JSF Web Applications

#### Nadere informatie:

Neem voor nadere informatie of boekingen contact op met onze Customer Service Desk 030 - 60 89 444

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