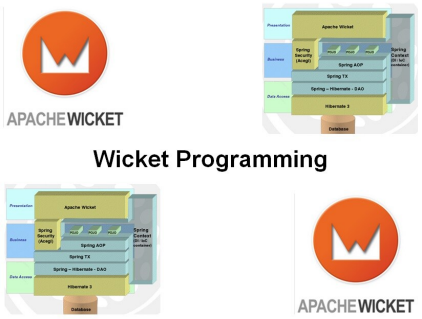
Wicket Programming

Duration: 3 days Price: € 1850

Open Schedule



Audience Course Wicket Programming

The course Wicket Programming is aimed at companies and individuals who are using or planning to use Wicket and require a detailed understanding of the relevant technologies.

Prerequisites Course Wicket Programming

Professional programming experience in Java and knowledge of Java Web applications is required.

Realization Training Wicket Programming

The subject matter is treated on the basis of presentation slides. Demos are used to clarify the theory. Ample exercises are done during the course. The course material is in English. The course times are from 9.30 up and to 16.30.

Certification Wicket Programming

Participants receive an official certificate Wicket Programming after successful completion of the course.

Content Course Wicket Programming

The course Wicket Programming focuses on developing Java Web applications using the Wicket Framework. Wicket is an open source, component oriented, server side, Java web application framework. In Wicket Web Applications are developed using only Java code and HTML files with wicket markup tags. The latest version of Wicket is based on Java 11 and supports new Java technologies such as Java modularization and new libraries such as JUnit 5.

Wicket Intro

The course starts with an explanation of the architecture of Wicket. Attention is paid to how applications in Wicket are built from components that consist of a Java class and an associated HTML file with the same name. A Wicket identifier provides the link between the class and the HTML file.

Core Concepts

Next a number of important concepts in Wicket are covered, such as the RequestCycle, the difference between stateful and stateless pages, Wicket models and the page rendering process.

Component Hierarchy

Also the Wicket component hierarchy is treated with MarkupContainers, Panels, Listviews and many other components. The course Wicket Programming also discusses the life cycle of components and how you can use behaviors.

Models

Then the role of models in Wicket is explained. Wicket models allow components to retrieve data when they need to be displayed on the screen. Models also convert or save user input when events occur.

Wicket Forms

Wicket Forms are also on the program of the course. In this context form layout, processing user input, data conversion and validation are discussed.

Ajax

And also the combination of Wicket and Ajax is treated. The many built-in Ajax components such as AjaxEditableLable, AutoCompleteTextField and AjaxLink are covered and Ajax Behaviors as well.

Advanced Topics

Finally the integration with jQuery and Tree and Wizard components is on the schedule and the migration from older Wicket versions to the latest version 9 is treated.

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Locations
Houten, Amsterdam, Rotterdam, Eindhoven, Zwolle, Online

Modules Course Wicket Programming

Module 1 : Wicket Intro	Module 2 : Core Concepts	Module 3 : Components
What is Wicket?	Wicket Application	Wicket Components
Component Orientation	Request and Response Classes	Component Hierarchy
Wicket Features	RequestCycle	Components and Markup
More Wicket Features	Request Processing	Component Class
Wicket Timeline	RequestCycle Hooks	MarkupContainer class
Component Hierarchy	Stateful and Stateless Pages	Component Lifecycle
Wicket in Architecture	Session Class	Component Hook Methods
Wicket Configuration	Components	Method OnBeforeRender
Hello Wicket Application	Wicket Models	Panel Component
Hello Wicket HTML Page	Models and POJO's	Border Component
General Application Structure	Link Component	HTML Tags and Attributes
Wicket Run Modes	Wicket Component Examples	Repeating Views
Wicket Distribution and Modules	Page Rendering Process	List Views
Wicket Resources	Behaviors	Behaviors
Module 4 : Models	**Module 5 : Forms**	**Module 6 : Ajax and Rich Components**
What are Models?	Wicket Forms	Ajax Explained
Set and Get Model	Form Validation	Classic Web Application Model
Using Models	Displaying Feedback	Ajax Asynchronous Model
Model Factory Methods	Built-in Validators	Wicket and Ajax
Models and JavaBeans	Feedback Messages	AjaxLink
Using PropertyModel	Custom Validators	Setting MarkupID
CompoundPropertyModel	Converters	Built-In Ajax Components
Using CompoundPropertyModel	Input Conversion	AjaxEditableLable
Wicket Forms	Validation with JSR303	AutoCompleteTextField
Forms and Models	IFormSubmittingComponent	Modal Window
Sample Logging Form	Components Button	Ajax Behaviors
CompoundPropertyForm Login	Nested Forms	Using Ajax Behaviors
DropDownChoice Model	Complex Forms	Ajax Request Attributes
Model Chaining	Stateless Forms	IAjaxCallListener
Detachable Models	Checkboxes	Ajax Call Listeners
LoadableDetachableModel	ListMultipleChoices	Global Listeners
Module 7 : jQuery Integration	**Module 8 : Trees and Wizards**	**Module 9 : New Features**
Using jQuery	Trees	Wicket 6 Migration
jQuery Function Object	Tree Components	Repeaters and Data
jQuery Selection	Build Nodes	Form Processing
Replacing Elements	Instantiate Tree	Wicket 7 Migration
JQWicket jQuery Library	Checked Nodes	Feedback Storage Refactoring
Wicket jQuery UI	Autocheck Folder	Header Rendering Strategy
Calendar Example	CheckModel	Wicket 8 Migration
Features to Implement	OnUpdate	Decorator to Listener
jQuery UI	What is a Wizard	Wicket Decorator to Listener
JQDatePicker.js	Wizard Types	List of Renamed Classes
Initialization Code	Two Panel Wizard	Wicket 9 Migration
Header Contribution Code	UpdatePanel	New Modules

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