AEM 6.2, 6.3 Developer Course Description

Summary

This course is designed to get you up and running with AEM 6.2 and AEM 6.3 at your own pace. We grant you access to both versions of the developer courses. You will be exposed to a lot of exciting technologies such as: *JCR*, *OSGi*, *Sling*, *Sightly* and *AEM* itself. As a developer you will be able to code AEM/CQ components, *OSGi* bundles (components and services) and make use of *Sling* services.

The course consists of 16 videos and printed Material (digital PDFs you can download and print on your own if necessary). After attending each video you should take a test to earn your grades and upon your authorization we can share your grades with possible employers of yours.

DEVELOPER COURSE

Requirements

- Java programming (Java and JSP)
- Basic knowledge of HTML, CSS and JavaScript
- Some previous experience with CMS applications
- Web programming experience

Topics and Course Structure

You should be able to go through all the material in one week depending on your time availability and how fast you learn the topics else you can extend as much as you

need. You will also be granted access to our public wiki where you can meet other members and raise questions; you will also have access to our SVN repository to download code examples. After each video you will be presented with a set of questions you must answer to earn your grades; upon your approval we will share your grades with your current and/or future employers.

Chapter 1 - Get to Know AEM6.2 for Developers

What Is AEM6.2
A little bit of history
The different types of users when working with AEM 6.2
Two Types of Environments: Author and Publish
Key Features of AEM6.2
AEM6.2 in the cloud
Additional resources

Chapter 2 - Install AEM6.2 using JAR file

prerequisites
Installation procedure
other installation procedures
stop a running instance
what's been installed

Chapter 3 - AEM6.2 stack of technologies

OSGi
JCR
Apache Sling
AEM modules

Chapter 4 - Setup Development environment (Eclipse, Maven, vlt)

Java Development Kit (JDK 8)

Integrated Development Environment (IDE): Eclipse

Apache Maven

Project Object Model (pom.xml) File

settings per Developer

build life cycle

Install FileVault

Final Notes on using Maven and FileVault for AEM projects

AEM6_2-developer Projects

Chapter 5 - Sling's get, post and custom servlets

Sling's GET Servlet

Sling Post Servlet

Sling's custom servlets

Chapter 6 - AEM Templates And their Availability

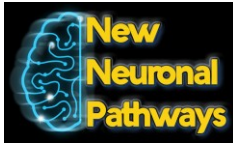Templates link top-level-components and pages

Chapter 7 - review AEM's APIs and OOTB components

AEM's APIs

Out Of The Box Components

Chapter 8 - Programming with HTL

SYNTAX

EXPRESSION OPTIONS

AEM HELPERS

Chapter 9 - implement business logic using OSGi bundles: Java Tag Libraries

JavaServer Pages Standard Tag
Library (JSTL)

AEM Java Tag Libraries

custom Java Tags

Chapter 10 - Top level components and content components

components

The business process prior to
developing components

Top Level Components

content components

reusing component resources

Chapter 11 - ClientLibraries and Designs

Client-Side Libraries

Designs

Chapter 12 - Dialogs for Classic UI

ExtJS (Extended Javascript)

Nodetypes involved in a dialog
structure

Dialog Structure

most commonly used xtypes

front-end validation for user input

back-end validation of user input

Custom Widget

Chapter 13 - Dialogs for Touch-optimized UI

CORAL UI

Granite UI

Touch UI Dialogs

Chapter 14 - Internationalizing Author Experience

Supported Languages

Dictionary

Create i18n object in your code
Content Structure
Reference Static Strings From Code

Chapter 15 - Useful backend APIs

Servlet (Chp15Ex1.java)
Event Handling
Sling Jobs
Sling Scheduling (Chp15Ex7.java)
Repository Listener

Chapter 16 - Testing Components: jUnit and Sling based tests

Definitions
Manual Testing
Automated Unit Testing
Automated Unit Testing With Collaborator Classes
Integration Testing based on Sling

Certification

Upon completion of all tests (16 in total, one per video) and once you grant us permission, we can share your grade with your current/future employers. We grant you the <u>certified</u> title once you grade 75% or more in all tests.

Cost and How to Register

899.00 USD grants you access to AEM6.2 and AEM6.3 developer courses!

You can contact a sales representative at sales@newneuronalpathways.com to discuss payment options and group discounts or visit https://www.newneuronalpathways.com/index/buy.html