Struts To 2017 Web Application Best Practices

Seminar Agenda
Ontario, CA, December 12-13, 2016

Day 1: Monday

08.40 - 09.00	Welcome/Registration
09.00 - 09.45	**Session 1: Project: Going from a Struts Project to a a 2017 Web Project: how to replace JSP, JSTL and Action Classes**
09.45 - 10.30	***Session 1 Lab (Exercise): Creating a Web Component and deploy/run in HTTP Server.*** Part 1: Creating a plain html version Part 2: Convert into component and test Part 3: Add databinding
10.30 - 10.45	Break
10.45 - 11.15	**Session 2: Making CSS finally work for you: How to use CSS Preprocessors for Responsive UI with Material Design**
11.15 - 12.00	***Session 2 Lab (Exercise): Generate a Material Design web app*** Part 1: Set up preprocessor and web app resources Part 2: Compile CSS and test Part 3: Setup watcher for continuous deploy Part 4: Tweak design and see changes
12.00 - 13.30	Lunch Break
13.30 - 14.30	**Session 3: Building Layouts and Navigation in 2017: How to replace Tiles and the Struts Controller and get client-side Performance**
14.30 - 15.15	***Session 3 Lab (Exercise): Build an application shell with push-state transitions*** Part 1: Setup template and fragment preprocessor Part 2: Create template and fragments and test Part 3: Create push-state route transitions with rich client feel Part 4: Add custom events
15.15	End Day 1

Day 2: Tuesday

9.00 - 09.30	**Session 4: Building a cross-platform Mobile App**

09.30 - 10.15   ***Session 4 Lab (Exercise): Publish to Web and create Mobile App***
Part 1: Publish to the Web
Part 2: Create and deploy APK file
Part 3: Run on your mobile device

10.15 - 10.30   Break

10.30 - 11.15   **Session 5: Interacting with the server in 2017: How to replace Struts forms with data binding and API calls**

11.15 - 12.15   ***Session 5 Lab (Exercise): Bind a Material Design HTML form to an API.***
Part 1: Create a registration page
Part 2: Setup databinding and login to API
Part 3: Test an insert
Part 4: Add client-side validation and retest

12.15 - 13.30   Lunch Break

13.45 - 14.30   **Session 6: Data grids and Drilldown in 2017: How to replace DHTMLX grids and detail.action**

14.30 - 15.15   ***Session 6 Lab (Exercise): Implementing a List and Detail module***
Part 1: Build a list
Part 2: Build a detail view
Part 3: create navigation

15.15 - 15.30   Break (Or End Day 2)

15.30 - 16.15   **Session 7 (Optional): Eye candy in 2017: Using Parallax**

16.15 - 17.00   ***Session 7 Lab (Exercise): Creating a dashboard using Parallax***
Part 1: Setup layers
Part 2: Add interaction and animation

17.00   End Day 2