

WaveMaker - Spring Roo - SpringSource Tool Suite

Choosing the right tool for the right job

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WaveMaker
Spring Roo
SpringSource Tool Suite

WaveMaker – a quick look

- It's some kind of 4GL tool for web-apps
 - You can quickly create standard CRUD apps
 - drag&drop and visual editors, no real coding
 - Produces a JavaScript based web app
 - you can implement stuff yourself (JavaScript for the front-end and Java for the back-end), but that should be a rare case

- Behind the scenes
 - Generates a Spring-based web app
 - Uses lots of JavaScript for the app
 - Is focused on the front-end, Java experience is poor
 - Will use Spring Roo under the hood (not yet there)
 - Is open-source and itself web-based



Demo

Spring Roo – a quick look

- Scaffolding for Spring developers
 - Let the expert Java and Spring developer to the “real” work
 - Generates the boring stuff for you, like
 - Models and mappings
 - CRUD services
 - Basic web UI (mvc, gwt, others)
 - Produces a regular and good looking Java/Spring project
 - Is an addition to the Java/Spring IDE, not a replacement

- Behind the scenes
 - Produces Java and AspectJ code
 - Command-line interface or IDE integrated

Demo

SpringSource Tool Suite - a quick look

- Eclipse-based full-featured IDE for Spring developers
 - Focused on coding productivity
 - Enhances the Java experience of Eclipse to Spring projects, including
 - Content-assist, validation, quick-fixes, visualizations, navigation, etc.
 - Integrates Spring Roo, tc Server, Maven, Groovy/Grails, Gradle
 - Direct Deployment to Cloud Foundry, incl. full debugging support

- Behind the scenes
 - Compatible with Eclipse Indigo and Helios
 - “old style” desktop IDE

Demo

Comparison

- **Spring Roo / SpringSource Tool Suite**
 - Expert Java developers
 - Code-centric
 - Good at Java/Spring code
 - Poor support for UI development and JavaScript

- **WaveMaker**
 - Non-programming experts
 - Visual programming
 - Good for rapid web app development, web UIs and JavaScript
 - Very poor Java experience

The key is to combine the tools

Using WaveMaker for web UI and JavaScript

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Using Spring Roo & SpringSource Tool Suite for JVM-
centric back-end development

Demo

Outlook 1/2

■ WaveMaker:

- tooling for frond-end development
- Modern web apps
 - Based on JavaScript
 - Single page style architecture
 - Accessing RESTful APIs
 - (not focused on implementing services)

■ Spring Roo + SpringSource Tool Suite:

- Tools for expert JVM developers
- Mostly for back-end services
 - JVM-based development
 - Spring-enabled, but not exclusively
 - Focused on code productivity

Outlook 2/2

- Make it easy to use both tools together
 - Within the same team
 - For the same app or project
 - No pain of importing/exporting stuff

Thank You

Q&A

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