

# 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

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- 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

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- 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

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- 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

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- **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

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## ■ 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

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

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# Thank You

## Q&A

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