Eclipse Scout
The new Java Web-framework

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Agenda

» What’s Scout
» 16 Years of technology
» Java: Building with Maven
» HTML5: Themes and Styling
Eclipse Scout

**Scout Framework**

- Built for Business Applications
- Multi Device support
- Based on Java and HTML5, CSS3, JS

**Framework Goals**

- Long term strategy (enterprise apps live > 10 years)
- Boosts productivity (producing software in Switzerland ...)
- Easy to learn (new team members productive in 1-2 weeks)
Back to the Future ...
Let’s go back to ...
... 1999
... 1999
... 2002
Java
<xml/>
... 2007
Eclipse Scout 2011
Eclipse Scout 2012
Eclipse Scout 2015/16
Once upon a time...

MANIFEST.MF

myapp.target

P2 Update Site

myapp-server.product

<bundle>

<bundle>.test

MAVEN TYCHO

plugin.xml
Standard Maven Project

- `{project name}`
- `{project name}.server`
- `{project name}.shared`
- `{project name}.client`
- `{project name}.ui.html`

- `{project name}.server.app.dev`
- `{project name}.ui.html.app.dev`

- `{project name}.server.app.war`
- `{project name}.ui.html.app.war`
Maven Integration for Eclipse
m2e

→ Works as expected
Maven CLI
Eclipse Scout Neon
HTML5: Styling and Themes
Themes and Styling with Scout

Technology

→ **CSS3 + Less**

**CSS Organisation**

→ Global Less files (colors, fonts, sizes, ...)
→ Component specific Less files (Form, Field, Button…)
→ **Optional**: Project specific Less files
→ **Theme**: Named set of Less files

**From Less to final CSS**

1. Assemble set of all applicable Less files
2. Process Less files and create single big CSS file
3. Minify CSS and sent it to browser
From Less to final CSS

Implemented Process
1. Project specific files override Scout default
2. Assemble set of all applicable Less files
3. Process Less files and create single big CSS file
4. Minify CSS and sent it to browser
Default Theme
Dark Theme
Rayo Theme
Styling

Global Styling

- Globally change application colors, fonts, ...
- Simple and low effort
- **Example**: Color of data fields

Styling of Components

- Change individual elements
- Powerful but more CSS knowledge required
- **Example**: Appearance of dialogs
Global Styling
Colors of Data Fields
Styling of individual Component Appearance of Dialogs
Eclipse Scout Neon
Summary
Summary – Part 1

The Scout Story

- Changes in platform technology
- Many Changes in UI technology
- Product code was never thrown away for 15 years

What can Scout do for you?

- Help to efficiently implement business apps
- Protect your investment over many, many years
Summary – Part 2

The new Java Platform

- Directly based on Java
- Maven «by the books»

The new HTML5 UI

- Directly based on HTML5/CSS3/JavaScript
- Powerful theming and styling
Thanks
@EclipseScout