Mobile Eclipse Scout Business Applications

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Eclipse Stammtisch Zürich 2013
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A little UI Story
A UI Evolution Story

Once upon a time...
A UI Evolution Story
A UI Evolution Story
A UI Evolution Story
A UI Evolution Story
Eclipse Scout
What is Scout?

- **Business Applications** framework
- Open-Source **Java/Eclipse** based
- Tooling Support with **Scout SDK**
- **Multi-Frontend** (Desktop, Web, Mobile)

Goals

- **Boost productivity**
- Simple to learn
Scout Overview

- Application
- Scout
- Eclipse
Integration

Client
- UI
- Client Model
  - Scout Client

Server
- Application Layer
  - Scout Server
- Business Services
- ESB
  - Data Access
Client-Server Architecture (Desktop)
Client-Server Architecture (Web / Mobile)
Mobile UI
Multi-Frontend with a single Codebase

- One Codebase
- Same Programming Language
- Same Development Tools
- Consistent Look & Feel
- Same Features
- Lower Costs
- Easier Maintenance
- Consistent Business Rules

Same Features
Mobile Extension

Scout Mobile Extension

- Device Transformer
- Optimized Components
- Optimized Themes

Scout Runtime Core

Scout RAP UI
Device Transformation
## Optimized Components

### Table

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<th>First name</th>
<th>Main representative</th>
<th>City</th>
<th>Country</th>
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</tbody>
</table>

### Smartfield

- **Choose Language**
  - Bulgarian
  - Croatian
  - Czech
  - Dutch
  - English
  - French
  - German
  - Greek
  - **English**
Showcase

http://www.youtube.com/watch?v=pjANvfa-phI

(shown at EclipseCon Boston 2013)
Build Mobile Apps
1. Create a new Scout Project
2. **Implement mobile specific behaviour**
   Example: Hide a field on mobile devices
   ```java
   if (UserAgentUtility.isMobileDevice()) {
       setVisibleGranted(false);
   }
   ```

3. **Use RAP entrypoints**
   – `/web`, `/mobile`, `/tablet`
Mobile Development Status

- Runs productively at BSI
- Shipped with **Eclipse Scout 3.9** (Kepler M7)
- Based on **RAP 2.1**
- Supporting **iOS** and **Android**
  - May run slowly on older phones and browsers
  - Windows Phone support not planned yet
Summary
Thank you!