Hands-On Java EE Web

JAX-RS 2.0, JSON-P, WebSocket
Agenda

- Look at what we have
- Expose REST endpoints
- Implement HTML5 view
  - Look at what we have
- Connect view to REST endpoints
- Add support for WebSocket updates
Application

• Simple chat application
  – Successful start-up
• Consumes JSON via REST
• Realtime updates
web-00: what we have?

• Standard Maven project structure
  – pom.xml
  – Java EE 7 dependency
  – webapp/
    • Template from designer
    • JavaScript sources prepared
web-01: REST endpoints

• Expose following endpoints:
  – GET /messages
  – POST /messages

• Produce / consume JSON
web-02: HTML5 view

- Use Facelets for adopting a Bootstrap template from designer
- Store username input in a local storage
web-03: Connect view to REST

• Study prepared JavaScript
  – rest.js
  – view.js
• Use JavaScript to connect view to REST endpoints
web-04: WebSocket Updates

- Study prepared JavaScript
  - socket.js
- Implement Websocket endpoint
- Connect view to WebSocket endpoint