Develop in Pharo, run on Javascript

http://pharojs.org

Noury Bouraqadi & Dave Mason
Web Clients

Mobile Apps

HTML
CSS

Javascript
Web Clients

PharJS

Mobile Apps
Web Clients

Mobile Apps

framework

PharJS

Tools
Lifecycle with PharoJS

Development: 100% Pharo 0%
Javascript: 0% Production: 100%
Model Development

Pharo alone!

Models

Tests
Integration with HTML, CSS and JS

Pharo talks to Javascript
Production

Javascript Alone

Javascript
100% generated from
Pharo

Models

Controllers

DOM

Third party
Available Tools

• Playground on **JS**

• Inspector on **JS** objects

• Test support = extension to SUnit
  – target multiple **JS** interpreters/browsers

• More to come
Demo
What Next?

• Migrate to Pharo 6

• Coverage for Core Pharo Libraries (Lazy)

• Improve Tools
  – Code Extraction
  – Debugging
  – Generate HTML
Some Challenges

• Debugging the Pharo <-> Javascript middleware
  – running tests in batch raise error
  – but they pass individually

• OS connection:
  – Reliable/Fail safe when launching JS interpreter
Learn more about PharoJS

• Web http://pharojs.org
  – Thanks ESUG for the support

• Slack https://pharojs.slack.com/
  – Discussions

• Twitter @pharojs
  – News
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