



Develop in Pharo, run on Javascript

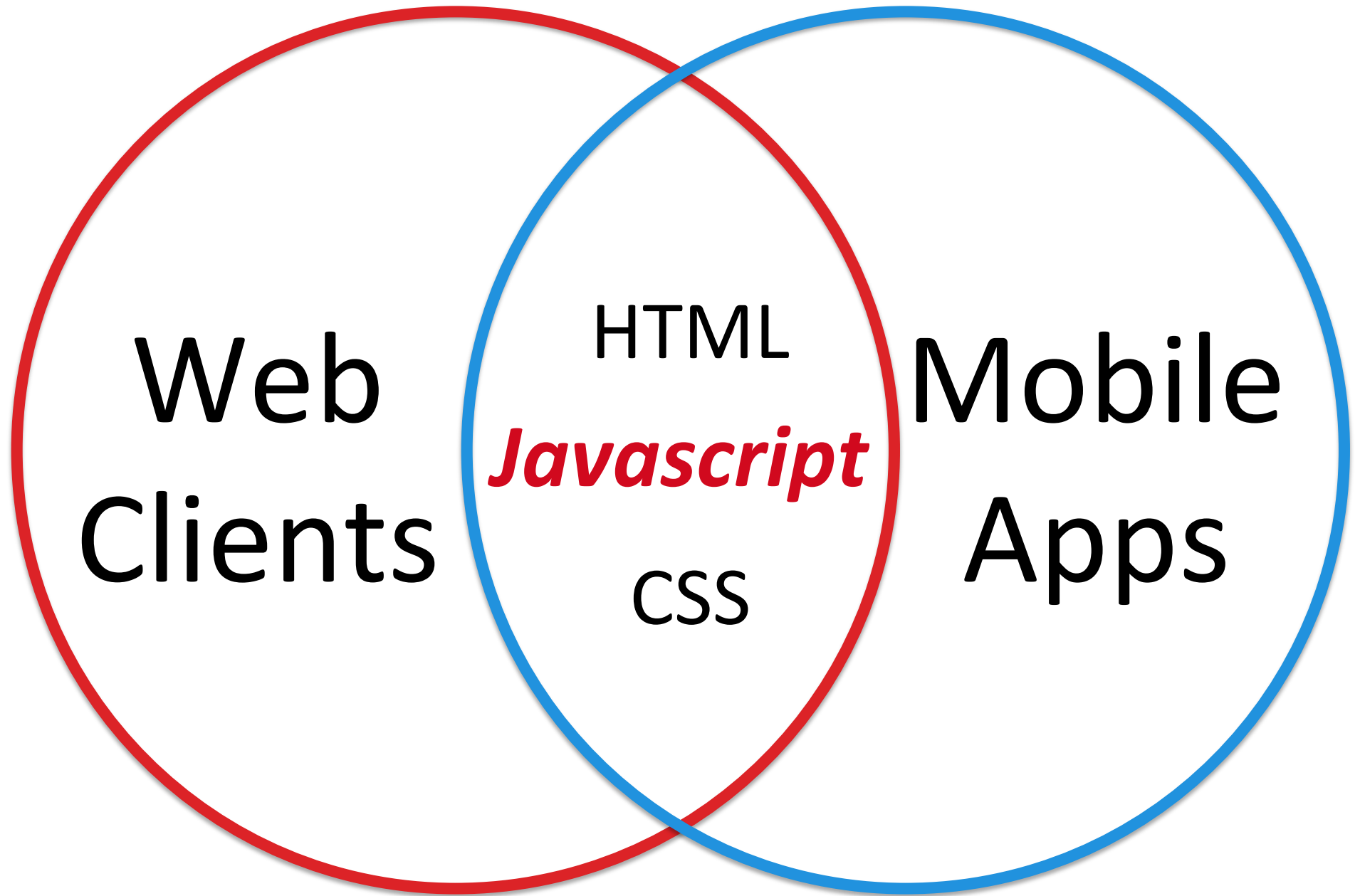
<http://pharojs.org>

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Web
Clients

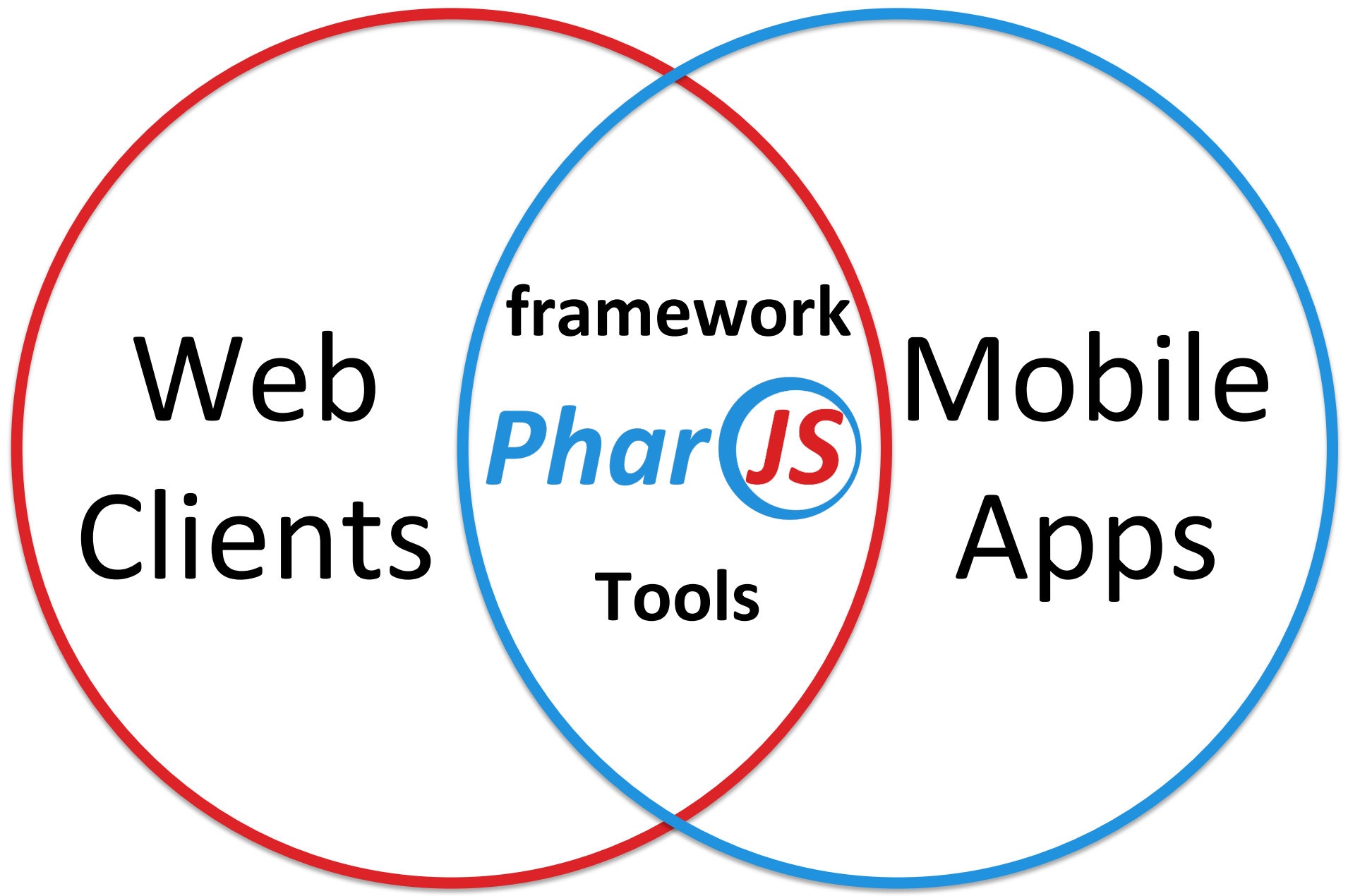
HTML
Javascript
CSS

Mobile
Apps

Web
Clients

Phar JS

Mobile
Apps



Web
Clients

framework
*Phar*JS
Tools

Mobile
Apps

Lifecycle with *Phar*JS

100%

Pharo

0%

Development

Production

0%

Javascript

100%



Model Development

Pharo alone !

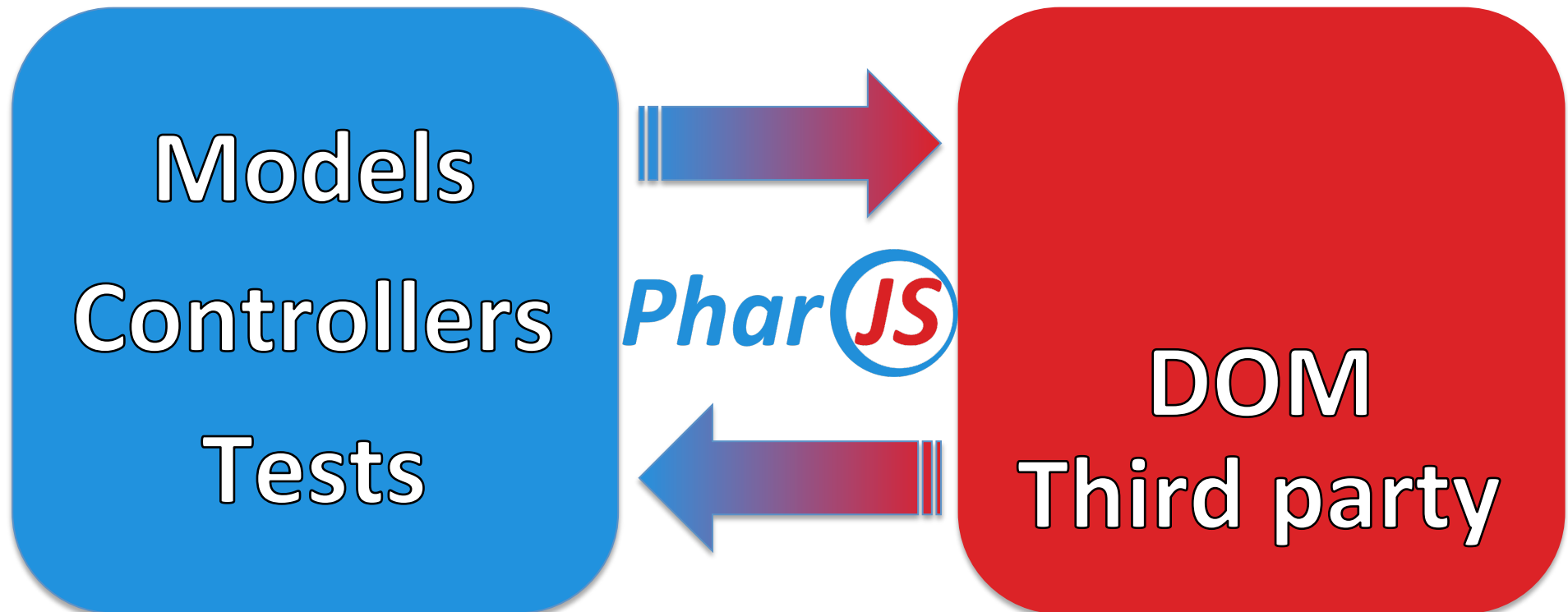


Models

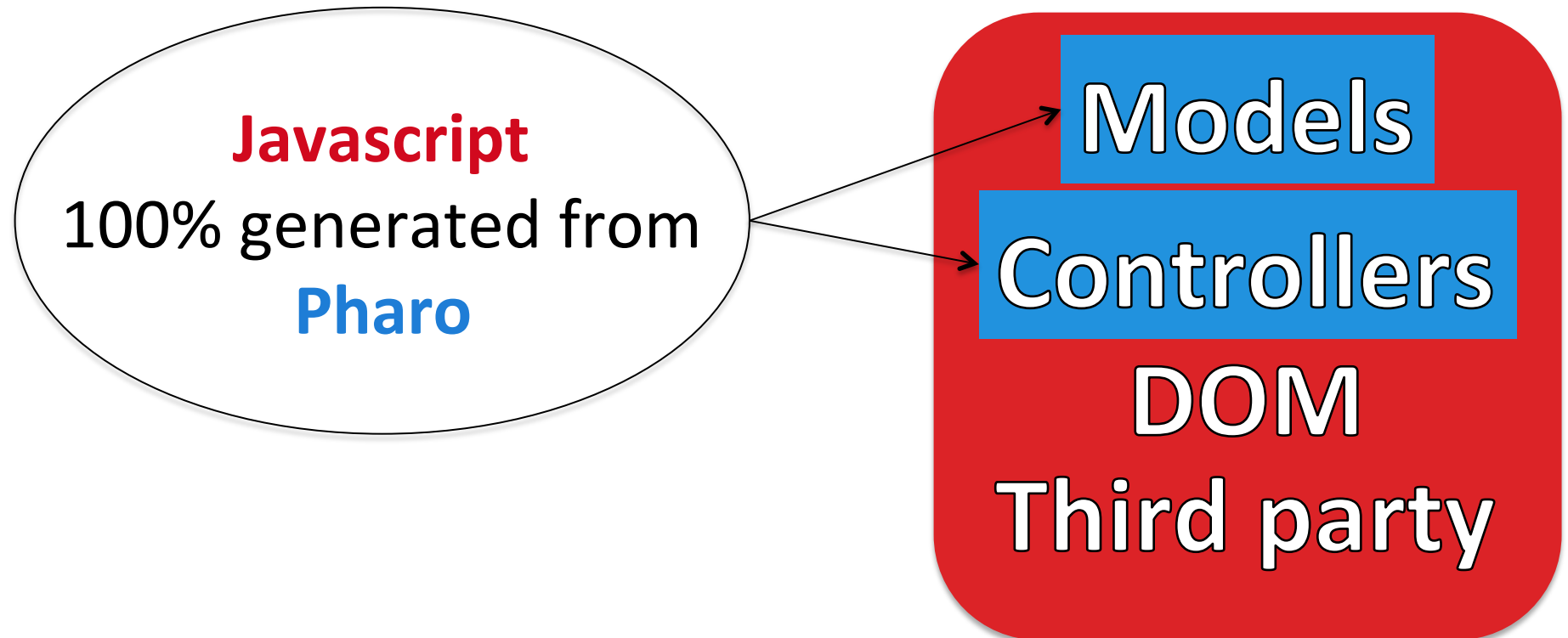
Tests

Integration with HTML, CSS and JS

Pharo talks to **Javascript**



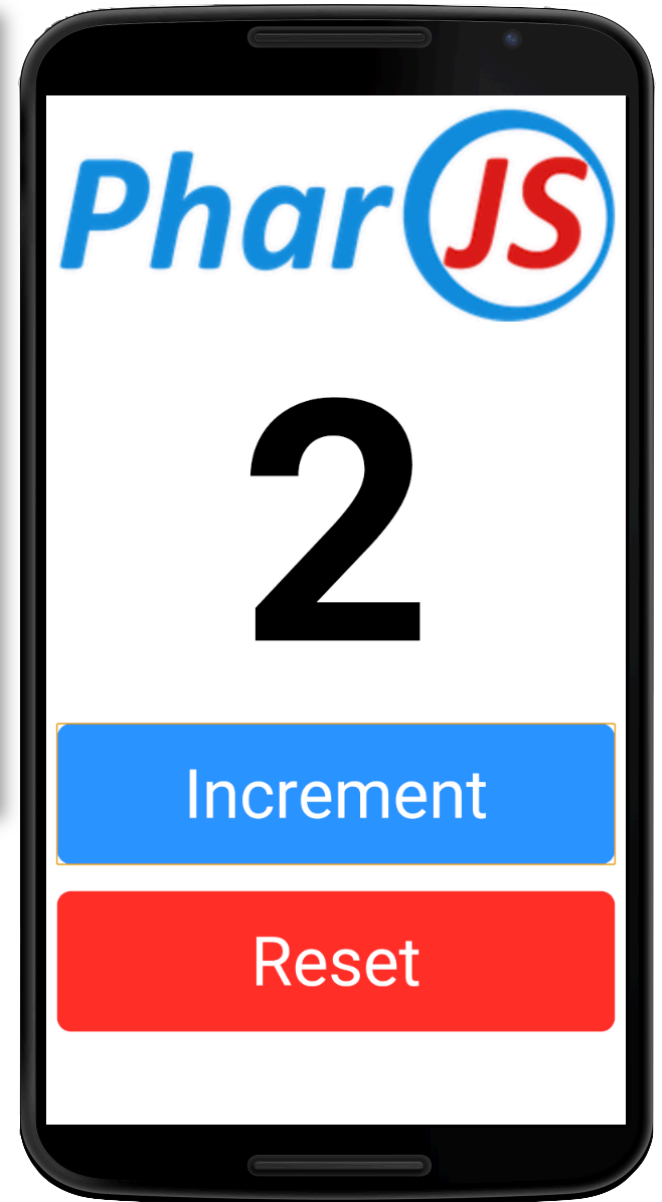
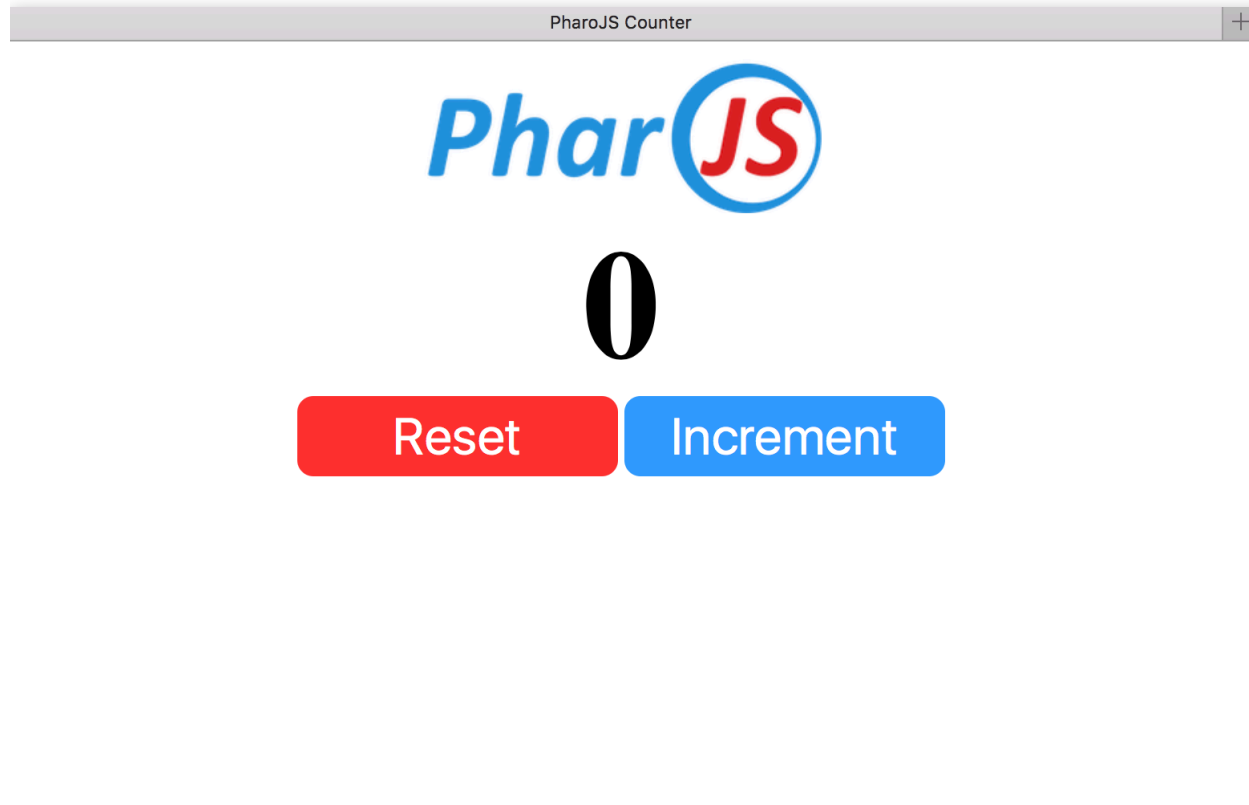
Production **Javascript** Alone



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

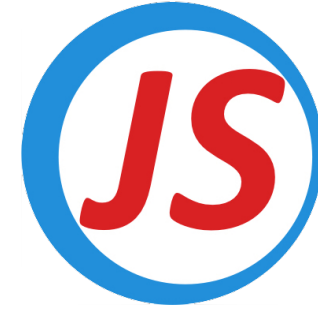
seaside 

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](https://twitter.com/pharojs)
 - News
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