Making Eclipse with HTML and JavaScript fun again!

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Full disclosure

- Worked on Eclipse tooling 10+ years
- Leading JBoss Tools project and JBoss Developer Studio product
- 2014 Eclipse Board Member - Sustaining Member representative
- 2015 - Red Hat Strategic Developer Board member
- Want to make Eclipse better
- …but I’m also a user of plenty other tools :(
This talk

1. What we have done
2. What we would like to do
Do you use Eclipse for web/javascript development?
HTML5
JavaScript
Demo
HTML 5

- Using native browser
- Runs a “mini” server in background for serving out content
- Live Preview with source navigation
- Works with JavaScript
JavaScript

• Forced Less False positive/negative error markers in JSDT

• Integrated Tern for JavaScript content assist

• Zero-config for Eclipse JSDT projects

• Easy to extend with additional frameworks
JavaScript
Live Reload
BrowserSim
Demo
Live Reload

- Live reload of changes - No refresh needed
- Uses defacto standard LiveReload protocol
- Use with remote/local server or static file content
- Use any device that has browser with web socket support
- Use with non-html too (i.e. asciidoc)
(Mobile) Browser Simulator

- Quick/fast Simulation of web browsers
- Skinned - great for screenshots
- Simulate Rotate/touch events
- Connect chrome debugger
- Synchronized browsing
AngularJS

• Use eclipse-angularjs - based on tern
  • Angello Zerr

• Automatically available if angularjs detected in editor

• Content assist/Angular expressions

• Early Access - in progress
AngularJS++
AngularJS++
How *are we making* Eclipse *more* fun to use for *javascript/html development*
Red Hat is now leading Eclipse JSDT

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What have been done?

- Better html attribute validation
- Fixed (some parts of) JavaScript Parser
- Tern/JSDT integration
What been looked at

- bower contribution from Obeo
- easy import (contributed to Mars incubator)
What would we like to look at?

- npm/bower (jgit shallow clone roadblock)
- make javascript parser/validation/content assist pluggable/externalizable
- More dynamic content assist
- orion/tern @ eclipse?
- revive JSDT Debug
- Be useful and at least less annoying
- …your ideas/contributions?
Speak Up!

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What do you want/need?
What can you do to help?

:)  

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http://tools.jboss.org
Evaluate the sessions

Sign in: www.eclipsecon.org