DEVELOPING RICH INTERNET APPLICATIONS WITH ZEND STUDIO FOR ECLIPSE

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Many tutorials and blogs written about “PHP & AJAX”, “ZF & Dojo” and “Rich Internet Application” but take no notice of a suitable development environment

Many Technologies → Tedious work → Request for PHP and JavaScript IDE
Outline

• Zend Studio for Eclipse
• AJAX Tools plug-in
• Source editing and Debugging
• Embedded Mozilla Browser

• What we will not cover
  ▪ What is “Rich Internet Application”
  ▪ How to create a ZF MVC application

You should already know the basics of Zend Framework and AJAX features
Web Development Environment

AJAX Tools & Mozilla

- Creating AJAX applications
- Browser Tooling
- JavaScript Editor
- JavaScript Debugger
- Embedded Mozilla Browser
- Personality Builder

Zend Studio for Eclipse

- Project Management
- PHP Editor
- PHP Debugger
- Database Tools
- Web Services
- Source Control
- PHP Unit Support
Setup

1. Install **Zend Studio For Eclipse**

2. Install **atf-wtp plugin**
   - plugins → [Installation Path]/plugins
   - features → [Installation Path]/features

3. Launch **Zend Studio**
   - with –clean parameter
Focus on

• **Improving**
  - Look and Feel
  - Client-Server Balance
  - Client-Server Communication

• **Technologies / Mechanisms**
  - CSS
  - DOM manipulation
  - PHP and JavaScript Scripting
  - Asynchronous communication
  - Database management
Demonstration #1
IDE Basics

Menu
Project Management
Outline View
Fast View
Launch
Perspectives
Editor
Problems, Tasks, Console

Developing Rich Internet Applications with Zend Studio for Eclipse
PHP Development Environment

- **PHP Source Editor**
  - Syntax coloring
  - Code folding
  - Go to Declarations
  - Code Assist
  - PHP Templates
  - PHP Manual links

- **PHP Doc assist**
  - Using type hints for code assist

- **PHP Debugging**
  - Local script
  - Web page
JavaScript Development Environment

- **Add JS Support**
  - Right click on your project, then →

- **JavaScript Source Editor**
  - Syntax coloring
  - Code folding
  - Go to Declarations
  - Code Assist
  - JS Templates
  - Mark occurrences

- **JavaScript Debugging**
  - Local script
  - Web page
Embedded Mozilla Browsing

DOM Inspector

Embedded Browser

Browser console
Request Monitor
DOM Source
CSS
JavaScript Evaluator
DOM Watcher
Debugger

- **Debug Perspective**
- **Breakpoints**
  - Ability to set breakpoints
  - Breakpoints can be enable/disabled
- **Debug Views**
  - Call Stack
  - Variables
  - Breakpoints
  - Scripts View (for JavaScript)
- **Expression Support**
- **Debug Preference options**
Debugger (PHP & Javascript)

- To debug both your server and browser during the same execution – copy the URL of the PHP debug to the URL field in the Mozilla launch.
Demonstration #2