Golden Rules

lesson #intro02

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Golden Rules

- Cross platform
- Controller best practices
- Model best practices
- View best practices

Huh?

- Server-side development cannot afford sloppiness
- Penalties
  - Your code breaks (PHP error displayed) → you're fired (2 marks off)
  - Break a major rule → you're fired (ditto)
  - Break a lesser rule → you're demoted (1 mark off)
- No excuses

Cross Platform

- The webapp world is not just Windows … 64% *nix
  - Hard-coded paths → you're fired
  - Windows path separators → you're fired
- The webapp world is not just IIS …
  - 65% Apache
- The web is not just Java …
  - 77% PHP, 22% ASP, 4% Java
  - ~75% of the top 100 websites are built using PHP

Controllers

- Classes to handle usecases
  - Manage usecase logic
  - Use models for data access & business rules
  - Trigger views, with passed parameters
- Goal: unaware of data source or presentation medium
- To get fired...
  - Data access, eq SQL select
  - Data manipulation, eg SQL update
  - Generating HTML, eg "echo <...>"
- To get demoted...
  - Awareness of data source
- There are sometimes exceptions

Models

- Classes to handle data collection & record abstraction
  - Active record pattern, sort of
  - NOT JavaBean
  - Add business logic, as appropriate
- Goal: unaware of invocation or presentation medium
- To get fired...
  - Generate HTML, unless helper method
  - Usecase management
- To get demoted...
  - Controller logic
- There are sometimes exceptions

Views

- HTML with embedded "script"
  - well-formed
  - XHTML
  - Use CSS for styling
- Goal: unaware of data source, no PHP
- To get fired...
  - Reference a model from inside your view!
  - Not well-formed
- To get demoted...
  - Business logic inside
- There are sometimes exceptions

Teamwork

- Your code breaks ... already addressed.
- You break someone else's code ... fired!
- You expose defect in someone else's code ... perhaps promoted!
- You expose defect in your code ... fix it!
- You don't carry your weight ... penalized or transferred!
- I will be looking at the repo commit history.

Congratulations!

You have completed lesson #intro02: Golden Rules

If you would take a minute to provide some feedback, we would appreciate it!

The next activity in sequence is: There is nothing further in this course

You can use your browser's back button to return to the page you were on before starting this activity, or you can jump directly to the course homepage, organizer, or reference page.