Working With Controllers

lab #lab03

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Lab Goals

The purpose of this lab is to help you explore and practice some of the controller and routing techniques from lesson 3.

There are two parts to this lab: A) the basics and B) a hook.

You only need complete part A to get a good mark. Part B is specifically for those looking for more of a challenge, and I suggest you only tackle it after successfully completing part A.

Suggestion: you may want to skim the slideshow first, before working your way through it.

Lab Submission

Your lab will be completed in a github repository. This will be your (forked) starter-lab03 repo.

Submit a readme to the lab dropbox. This readme should have a link to your github repository.

The link is the URL for your github repo page, **not** the cloning one (which has a `.git` extension). Further, it should not mention any branch ... see the last slide :-/

Due: Sunday, Sept 27, 17:30 PST

Lab Marking Guideline

This lab will be marked out of 10, as follows:

- Part A addresses eight controllers/mappings, as specified in the tutorial.
  These are worth one mark each.
- Part B is worth 2 marks, depending on the elegance of your solution. Simply taking a stab at part B, without solving the challenge, won't get you any marks!
- You may incur a marks penalty if your workflow is improper (wrong branch, not merged, inappropriate commits, etc)

Commenting: add comments sufficient to convince the reader that you know what you are doing. Inappropriate/inadequate comments could cost you a mark or two off.

Part A: The Basics

Complete the "normal01" tutorial, merging your develop branch into your master branch when done.

Part B: Hooks

Build a class to massage the final output before sending it to the browser.

Configure a "display_override" hook to inject your class into the processing stream for all single quote presentations, where a saying from a famous figure is shown. Don't forget to enable "hooks".

The massaging that your hook should perform: inside any <p> elements in the output, which have a class attribute of "lead", bold any capitalized words (yes, that includes "I").

Bolding is done by enclosing a word in a "strong" element.

Part B Notes

Part B is a challenge, hehe (on purpose). Don't even try this until you have completed part A, and then only if you are willing to dive a bit deeper into CodeIgniter and hooks.

Part B will not earn part marks for a partial solution, so be sure you want to risk/invest the time to tackle it!

Part B Completion

I presume you will have used the same strategy for Part B as you did for part A, i.e. committing to your develop branch directly, or else using a feature branch for the hooks, and then merging it into your develop branch.

Once done Part B, make sure that your develop branch is merged into your master branch.

Your master branch is what will be "run" for testing.

Your repository and commit history will be examined to make sure you have a reasonable workflow, with a marks deduction if not.

Congratulations!

You have completed lab #lab03: Working With Controllers

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

The next activity in sequence is: basic03 Models

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.