

CodeIgniter Controllers

tutorial #tutorial03

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Tutorial Goals

This tutorial will walk you through some common controller and routing challenges.

The goal is to fix the broken starter webapp, as directed.

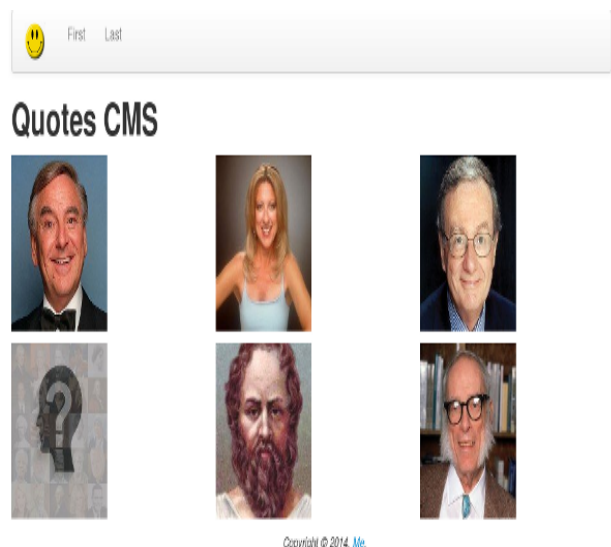
That can't be so hard, can it? <-- said with a straight face.

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

Preparation

I have prepared a starter webapp – a mini "content management system". It is incomplete and the pieces are not properly connected, and you need to fix these, as described following.

Fork the github project, and clone it locally to work with, the same as you have done with the previous tutorial.



The Starter Webapp

The "Quotes" starter webapp uses bootstrap and jquery, simply because they make it so easy to have a not-ugly-though-the-same-as-everyones looking site.

The Quotes webapp looks beautiful, I have to admit, but none of the links work, apart from the logo taking you back to the homepage :(

Your job is to fix these :)

Where Do I Start?

There is a view template in the views folder, just one. This is meant to display just a single quote. Each of the broken links needs to resolve to the appropriate controller or method in a controller, which extracts the relevant quote from the model, and builds the view parameters for just one to present it.

Solve the logic for the first broken link that you fix, and you can re-use the technique for all the others.

What Needs Fixing?

You might use this as a checklist.

Link	Location	How to Fix It
first	Navbar	A suitable new controller in controllers/
last	Navbar	A suitable new controller in controllers/last/
sleep	Homepage	Remapped to first::zzz
lock/em/up	Homepage	Remapped to welcome::shucks, using wildcard (lock / *)
show/3	Homepage	Remapped to first::gimme/3, using wildcard (show / digit)
dunno	Homepage	Remapped to guess (new controller)
wise/bingo	Homepage	Remapped to bingo, using regular expression (4 letters / bingo) (new controller)
comp4711/wisdom	Homepage	Remapped to bingo::wisdom, using regular expression (comp + digits / *)

Fixing Notes

Fix the problems in sequence, working your way down the table.

For each of these, I suggest you determine the controller responsible for handling the request, the method inside that controller, and then the necessary routing.

Note that the table row for "last" suggests a controller in controllers/last/ ... this explicitly means that "last" is a subfolder inside application/controllers. Hmmm.

A helpful hint... if you retrieve a record from your model, and you want to add its key/value pairs to the view parameters array, you could have a bunch of assignments (`$this->data['who']= ...`), but there is an easier way:

```
$record = $this->quotes->whatever(...);  
$this->data = array_merge($this->data,  
$record);
```

Are We Done Yet?

When you are done, nothing will look different. The links will work properly :)

Congratulations!

You have completed tutorial #tutorial03: CodeIgniter Controllers

If you would take a minute to [provide some feedback](#), we would appreciate it!

The next activity in sequence is: [lab03](#) Working With Controllers 2015.01.25 17:30

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.