Tutorial 4

Exercise 1

Create a table in your MySQL database to store information about films. The information for each film should include:

- title
- director
- genre
- IMDB rating
- Release year

Use IMDB to find films to add to your table.

Make sure you know how to run SELECT queries on this table. For example, how to select all films that are comedies with an IMDB rating greater than 5.

Exercise 2

Add a controller called Movies to your CI application with an index() method that when called displays a page containing

- a form to search for movies by genre (or IMDB rating if you prefer) - the URL in the action attribute should call a method on the Movies controller called 'search()'
- a link (separate and after the form) to view all movies - the link should be to a method called 'allmovies()' in the Movies controller

Check that the page and the form display properly.

Exercise 3

Configure your CI application to use your database using editing the application/config/database.php file with the appropriate connection information (see the pre-recorded lecture as well as the slides for examples). Add a model class to your CI application called 'Moviemodel'. Add to your 'Moviemodel' class two methods:

- one method that takes an argument containing a genre, and which selects all films from the database in that genre - the result should be returned as an array containing information about the retrieved film or 'false' if not found (if you are using IMDB rating to search for movies, adapt this part accordingly)
- another method that selects all films in the database and returns them as an array (each position in the array being an array containing data about a particular film)

Write the 'search' method of your controller to use the 'Moviemodel' class to search the database using the data from the form, and then build a view displaying information about the film found (or an error message if no film found).

Exercise 4

Write the 'allmovies' function of your controller (including use of model and building appropriate view).

Sample code (for exercises 2-4):

movieview.php (contains the search form - I use year of release for the search)

yearview.php (displays movies found in a particular year)

Moviemodel.php (model)

Movies.php (controller)

(I have not included the allview.php but this should be straightforward given the other view)

Exercise 5 (for later if you wish)

- Add another search form to the initial page so that users can search for movies by title or partial title - entering the word "Terminator", for example, should return all movies with that word in their title. Add code to your controller and model to implement this.
- How would you display a list of movie genres, such that clicking on the movie genre would display a page of movies of that genre? Try using URL segments to implement this functionality.