

Tutorial 5

This tutorial is about creating a To-Do list application. The application should display a view with a form for the user to create a new To-Do item, and a list of current To-Do actions. However, the user should not need to create an account - the application will *remember* the To-Do actions.

Exercise 1

Create a table in your MySQL table to store To-Do actions. The table should contains at least the following columns:

1. user id
2. action title

You can others if you wish (e.g, date/time added)

Exercise 2

Using an existing CI application that you have previously installed, or through installing a new one, create a controller that will load the to-do view containing the form to add new To-Do actions. Try to use bootstrap to layout and style the page. Check that it displays correctly in the browser (note - do NOT use the "file://" protocol to view the page in the browser - this will not run your PHP code).

Exercise 3

Before you add code to allow new actions to be added to the database, you need to do the following:

- Configure your CI application to use sessions,
- Use the PHP built-in function `uniqid()` (see <http://php.net/manual/en/function.uniqid.php>) to generate a unique user id, if a session does not already exist or, if it does exist and a unique user id is not in the session,
- If a unique user id is generated, store the value returned by `uniqid()` in a CI session

Exercise 4

Configure your application for logging (as discussed at the end of the lecture), and use logging to check that your user ids are being generated and stored in the session. Confirm by using the browser inspector to view cookies when your webpage is requested in the browser.

Exercise 5

Create a model that allows new actions to be added to the database for a particular user id (retrieved from the session by the controller), and retrieve actions already in the database for a user id. Update the controller so that it retrieves existing actions from the model and passes them to the view to be displayed.