**CONTROLERS**

**Score: 100.0% (18/18)**

1. (IMPORTANT) What's the role of the routing file?

* To determine which controller and which method within that controller should handle the http request/url

2. (IMPORTANT) Which file in CodeIgniter first handles ALL url requests?

* index.php in the main CI folder

3. (IMPORTANT) Say the http request was generated for 'http://localhost/welcome/michael'. What happens?

* Index.php handles this url request, passes info to the routing file, which says that it should be the welcome controller and michael method in that controller that should be handling the http request. It then searches in the application/controllers folder for a file named

4. (IMPORTANT) If the http request was 'http://localhost/dojos', which controller and method in that controller would handle that http request?

* Dojos Controller, index method

5. (IMPORTANT) Let's say you wanted to add a custom routing file so that when people visit 'http://localhost/loveme' it's the ninjas controller and love method that you would like to handle this http request. What would you need to do?

* Add a new custom routing rule in config/routes.php so that this custom routing rule is recognized by the MVC framework

6. (IMPORTANT) Say that the url request was 'http://localhost/posts/edit/15'. What happens now?

* Unless there was any custom routing rule, the routing file has the posts controller and edit method in the posts controller handle the http request. 15 gets passed as an argument to the edit method.

7. (IMPORTANT) Say that you wanted the Ninjas controller and 'amazing' method in the Ninjas controller to handle the http request for 'http://localhost', or in other words, when you just visit localhost. What do you need to do?

* Modify routes.php so that the default controller is set to Ninjas controller... But this means when someone goes to localhost, the routing file will look for the Ninjas Controller and for index method in that controller. You should also create index method in that controller and have index method call the amazing method.

8. (IMPORTANT) Say that someone made a request to 'localhost/love/me' and in the 'me' method (in the 'love' controller), there was a code that redirected the user to '/very/funny'. What happens?

* When the user is redirected to whatever, CodeIgniter does things all over again, taking the url request to index.php, which takes it then to routes.php which then determines which controller/method should handle that http request.

9. (IMPORTANT) Is it usually recommended that a method in the controller that handles the POST data also render the view file?

* No. The method that handles the POST data should do what it needs to do (including storing some values in the SESSION) and simply redirect the client to another url. The new url should be handled by a separate method that does render the view file.

10. (IMPORTANT) Ideally, how many methods should each controller have?

* Less than 10-15

11. It is a configuration file used to override behaviour of a server, with CI we used this file to remove the extra 'index.php' in the URL?

* .htaccess

12. In CodeIgniter Controllers are stored in what directory?

* application/controllers

13. In the URL, what symbol is used to separate arguments of function parameters in a particular Controller?

* Trailing/Forward Slash (/)

14. What is the correct URL to be accessed if we want to visit function show\_students() from a Controller with class name Students?

* localhost/students/show\_students

15. It identifies where a particular HTTP request or traffic should go?

* Routes

16. What routing configuration should we add in the routes file if we want a user to visit localhost/students/index page with the URL localhost/students\_page.

* $route['students\_page'] = 'students/index';

17. In MVC we can only use 1 Controller?

* False

18. A controller can load a Model and a View within same function of a Controller.

* True

**VIEWS**

1. In our controller, we want to have it render the view file in /application/views/posts.php. What do we need to add in controller's method?

* $this->load->view('posts');

2. In our controller, we want to have it render the view file in /applications/views/photos/amazing.php. What do we need to add in controller's method?

* $this->load->view('photos/amazing');

3. In the controller's method, we had $this->load->view('amazing', array('title' => 'Amazing Photos', 'name' => 'Mountains')). Which of the following is NOT true?

* View file can only access 1 variable passed from the controller

4. Let's say that in /application/views/ninjas.php, you also wanted to include /application/views/\_partials/header.php. What would you need to do?

* On the controller, you may load the file by $this->load->view('\_partials/header.php').

5. In the view file, you want to access some data that is available in one of the models you created. What would you need to do?

* You can't have the view file talk directly with the model. You would need the controller to talk to the appropriate models, retrieve data and then pass that data to the view file.

6. A Model can load a View?

* False

7. Can we pass data from a Controller to a View?

* Yes.

8. In what directory should we store all the static files (CSS, JavaScript and Images)?

* Assets Folder (located at the root directory of CodeIgniter)

9. Data (in array format) passed to a View can be accessed using \_\_\_\_\_\_\_\_\_\_\_\_\_?

* Keys of the array treated as variables

**INPUT AND SESSION**

**Score: 100.0% (8/8)**

1. What function of the Session Class would you run to retrieve all session data?

* $this->session->all\_userdata();

2. The proper syntax for loading the Input Class?

* None of the above, Input class is automatically loaded by the system.

3. What function/code would you run to redirect the user to the main page of your application?

* redirect(base\_url());

4. Libraries and Helpers that needs to be automatically load can be set in what configuration file?

* Autoload.php

5. In the session class what function would you run to store a session data from a variable $user which is an array?

* $this->session->set\_userdata($user);

6. How will you grab the post data from a form with input field email and method post using the Input Class of CI.

* $this->input->post('email');

7. How will you retrieve a session data with key/name 'user\_id'.

* $this->session->userdata('user\_id');

8. How can you retrive a flash data with key/name 'login\_errors'.

* $this->session->flashdata('login\_errors');

**MODELS**

**Score: 100.0% (11/11)**

1. (IMPORTANT) How should you name the class of your model?

* Singular (e.g. User)

2. (IMPORTANT) Should the model directly access the POST data or SESSION data?

* No. The controller can pass POST/SESSION data to the model but the model should NOT directly access the POST data or SESSION data.

3. We can load 2 or more models at same function in a Controller?

* True

4. A configuration file where we can put the needed parameters for connecting to a database.

* application/config/database.php

5. A View can directly call a model.

* False

6. What is the proper syntax for loading a model with a Class name Course\_students\_model?

* $this->load->model('Course\_students\_model');

7. What will be the proper syntax for calling 'function display\_student\_list()' in a Controller that loads Course\_students\_model.

* $this->Course\_students\_model->display\_student\_list();

8. Which of the following queries would return all the records from the courses table?

* return $this->db->query('SELECT \* FROM courses')->result\_array();

9. In fetching a record from the database, which function will you use?

* row\_array()

10. Models are also associated with the URL.

* False

11. Can a model talk to another model?

* Technically, you shouldn't have one model talk to another model. It should be the controller talking to the models.