MANUAL

CREATING A WEB APPLICATION-

Preparation

1. Download CodeIgniter 3.3.10 as a toolkit for making web applications.
2. Install Sublime Text 3. This is where the code is written.
3. Install Xampp 7.3.6 and enable Apache server and MySQL server to make a local web server and load the file in the browser.
4. Create a folder in “...\xampp\htdocs” and transfer the files in the CodeIgniter folder to that folder.
5. Open Sublime Text 3 and click on Project in the Menu then Add Folder to Project… Open the folder created and the code will be displayed.

Running the code in the web browser

6. To make a page, a controller class must be first implemented. Under the “application\controllers” folder, create a new file and name it *Pages.php*
7. Write this code to load the page in the browser:

```
<?php
class Pages extends CI_Controller {

        public function view($page = 'home')
        {
               if ( ! file_exists(APPPATH.'views/pages/'.$page.'.php'))
        {
                // Whoops, we don't have a page for that!
                show_404();
        }

        $data['title'] = ucfirst($page); // Capitalize the first letter

        $this->load->view('templates/header', $data);
        $this->load->view('pages/'.$page, $data);
        $this->load->view('templates/footer', $data);
        }
}
```

8. Under the “application\views” folder create a folder named *templates* then in the folder create a php file called *header.php* and *footer.php*
9. In the file name *header.php* write the code below:

```
<html>
        <head>
                <title>TITLE</title>
        </head>
        <body>

                <h1><?php echo $title; ?></h1>
```

10. In the file name *footer.php* write the code below:

```
       </body>
</html>
```

The header and footer contains the basic HTML code you want to display before loading the main view.

11. Next, add a new folder at “application\views” named *pages* then create a new php file. The file will serve as the HTML code to display the page. Now try first to display “Hello World!”.

```
<p> Hello World! </p>
```

Routing

12. The page is now working! In the web browser, type *https://localhost/[root folder name]/index.php/pages/view/[page file name].* You will see “Hello World!” that you typed in earlier.
13. Instead of typing the long link above, it can be shortened to *https://localhost/[root folder name]/[page file name]*. Open *routes.php* located at “application/config”. Remove the line `$route['default_controller'] = 'welcome';` and replace with the following two lines:

```
$route['default_controller'] = 'pages/view';
$route['(:any)'] = 'pages/view/$1';
```

Designing the Page

14. The first thing that you want in your page is the logo and the navigation bar since it will be displayed on all pages. In order to not code it per page, we put the HTML code in *header.php* after the <body> tag

```
<nav class = “navbar”>
      <ul>
            <li>HOME</li>
            <li>ABOUT</li>
      </ul>
</nav>
```

15. The class navbar is assigned to the tag nav. CSS can be implemented to design the page. Between the <head> </head> tag, include a CSS code such as this example below:

```
<style>
            .navbar{
```

```
                        background-color: white;
                        overflow:hidden;
             }
</style>
```

16. You can add more elements by typing the HTML code in the .php file located at the pages folder and design the page by implementing CSS.

Adding Map Using Leaflet

17. Download Leaflet 1.5.1 in https://leafletjs.com/download.html.
18. Include Leaflet CSS file in the <head> section:

```
<link rel="stylesheet" href="<?= base_url(); ?>/assets/leaflet/leaflet.css" />
```

19. On the <body> section, include Leaflet Javascript file:

```
<script>
       <!--integrate map in html-->
       var map = L.map('map').setView([14.65, 121.07], 30  );
       L.tileLayer('http://{s}.tile.osm.org/{z}/{x}/{y}.png', {
           attribution: '© OpenStreetMap contributors',
             maxZoom: 17,
             minZoom: 9
       }).addTo(map);
</script>
```

20. On the <body> section, place a div element to where your will place the map.

```
<div id="mapid"></div>
```

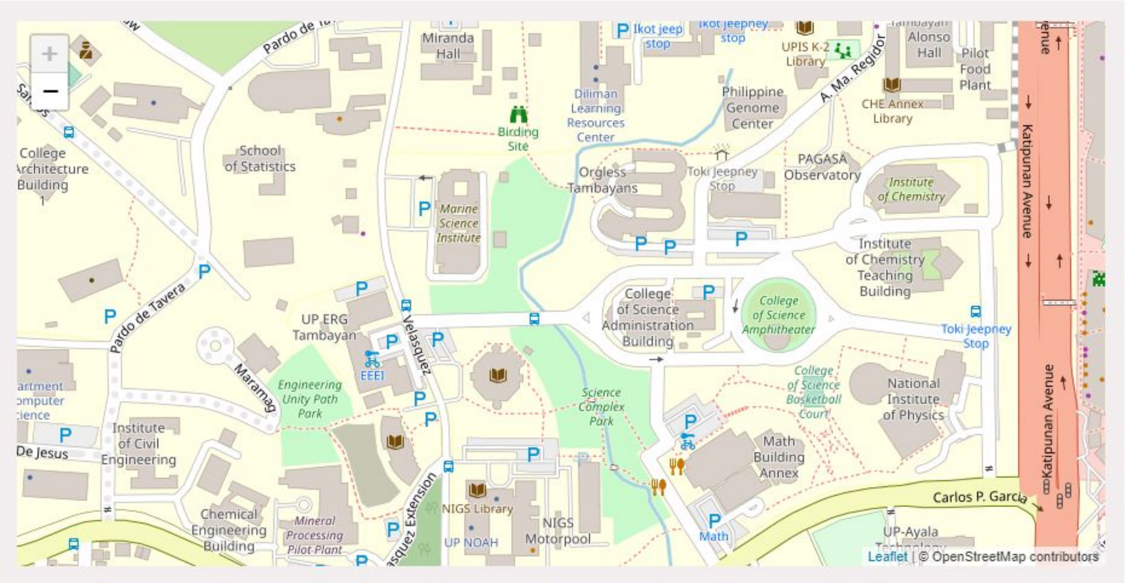
21. Define the settings for the map (e.g. height, width, etc.) by CSS.

```
#mapid { height: 180px; }
```

22. Your map can now be displayed on the page. To change its’ coordinates, change the values located at the Leaflet Javascript file.

```
var map = L.map('map').setView([x-coordinate, y-coordinate], scale  );
```

23. The map is now prepared.


+
−
Pardo de Tavera
Miranda Hall
Ikot jeep stop
Ikot jeepney stop
UPIS K-2 Library
Alonso Hall
Pilot Food Plant
Diliman Learning Resources Center
Philippine Genome Center
A. Ma. Regidor
CHE Annex Library
Birding Site
College Architecture Building 1
School of Statistics
Orgless Tambayans
Toki Jeepney Stop
PAGASA Observatory
Institute of Chemistry
Katipunan Avenue
Marine Science Institute
Institute of Chemistry Teaching Building
Pardo de Tavera
College of Science Administration Building
College of Science Amphitheater
UP ERG Tambayan
Velasquez
Toki Jeepney Stop
Maramag
Engineering Unity Path Park
EEEI
Science Complex Park
College of Science Basketball Court
National Institute of Physics
artment omputer cience
Institute of Civil Engineering
De Jesus
Math Building Annex
Katipunan Avenue
Carlos P. Garcia
Chemical Engineering Building
Mineral Processing Pilot Plant
Velasquez Extension
NIGS Library
UP NOAH
NIGS Motorpool
Math
UP-Ayala Technology
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