CODEIGNITER AND BOOTSTRP

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About Application

This application is about mushroom information and community hub named as “KINOKO”. Web has five main pages. Those are, Home, Library, Members, Login and Signup pages. Home page has brief introduction about the company. And Library has photo library where has a option to upload images. Member page Shows the data of the users table of the database and has functionalities to delete and update data and generate pdf file including users’ data. Login form has a form to login user into the system, the functionalities are not implemented. Sign up page has a register form where we can create new record of users details by giving required valid details. Every page was included with header and footer component where header has a navigation bar and a carousel and footer includes the contact details.

Implementation Details

For implement this application we used:

- XAMPP server
- Mysql database
- Bootstrap 4
- Codeigniter 3.1.11

To the front end we developed 5 main views connected to navigation bar. Those are,

- home.php
- viewImages.php
- members.php
- login.php
- signup.php

And other two sub views are created as,

- update.php
- library.php

where update.php includes the update user form, which was called upon by update button of the members table. And the library view is called by “Add New Variety” button of viewImage.

Also, two partial views are created as *header.php* and *footer.php* to include header and footer to every page. And above 7 view were included by these partials.

We have two controllers as *Home.php* and *Signup.php,* where home controller is the main controller which is responsible to load views and execute some main functionalities like delete and generate report. And Signup.php is responsible to sign up and update user.

And we have two models as *Mod_user.php* and *queries.php* where Mod_user.php is responsible about database’s users table functionalities while queries.php is responsible of tbl_image table’s functionalities.

In the database we have two tables,

- users
- tbl_image

users table contains all users’ details and tbl_image contains the paths of images in the where library outputs. To contain images uploaded through the application, we created a *uploads* folder in the main

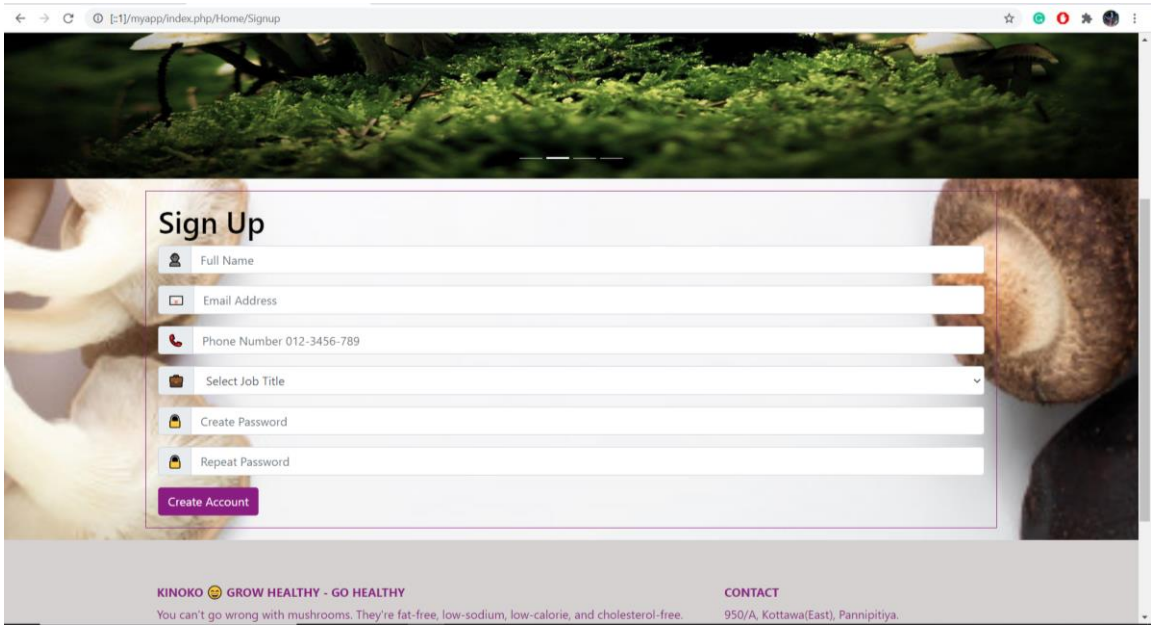
myapp folder. And other images like background images where saved in *image* folder in the main myapp folder.

Also, we added *css* and *js* folders to the main myapp folder which was called in the header.php to include bootstrap to the web application. Apart from default bootstrap setting, I added some custom settings which was included in the *main.css* file of the css folder and *main.js* folder of the js folder.

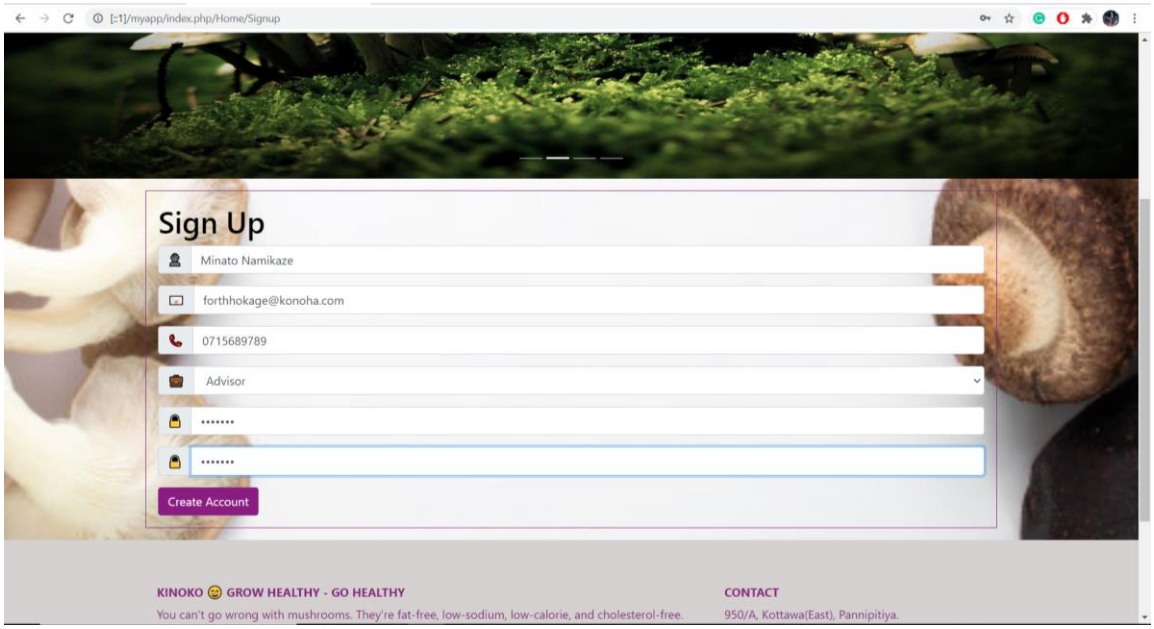
CRUD Operations

Create

There are two places where we create data. One is when a user sign up to the system, and other one is when user upload a image.



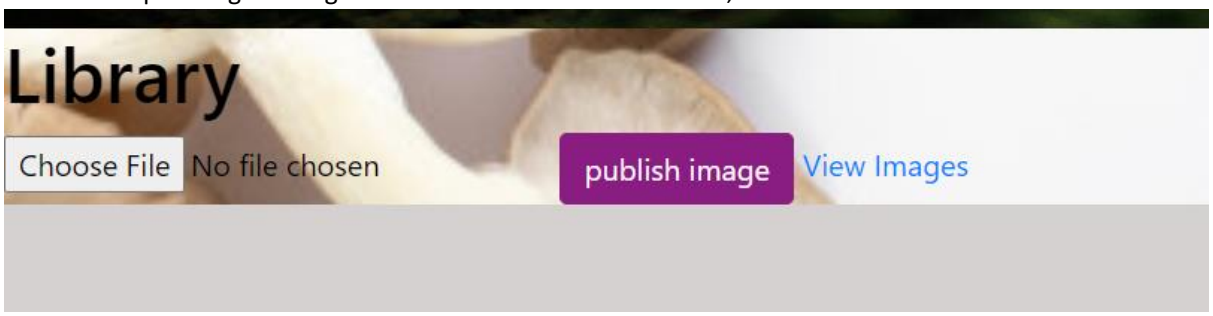
This is how the sign up form apperes. When we give valid data it will create a new record in our database as below.

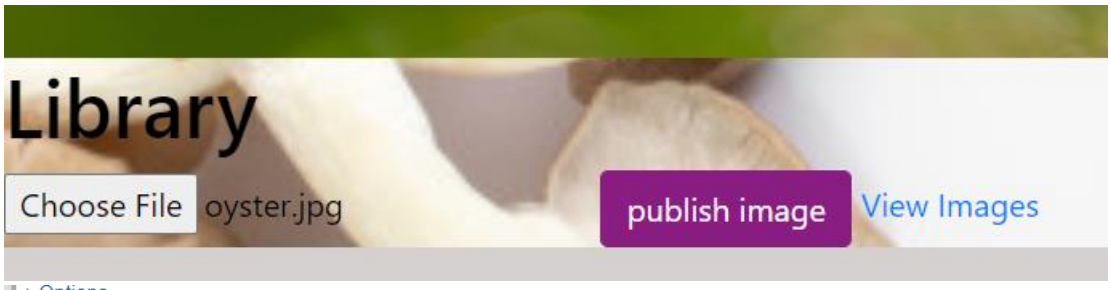


	id	fullName	email	phoneNumber	jobTitle	password
Edit Copy Delete	1	Chamodhi Satharasinghe	chamodhidewwandi@gmail.com	715615121	Grower	7c4a8d09ca3762af61e59520943dc26494f8941b
Edit Copy Delete	2	Janith Satharasinghe	janithjinendra@gmail.com	711155567	Buyer	1496aa696d9d35aa2c23b0f1ef3020df7f26f869
Edit Copy Delete	3	Nayana Ranasinghe	nayananishanthi@gmail.com	710600021	Advisor	67166c921ecba0615f39bec7c6a94dad68c30562
Edit Copy Delete	4	Rathnapala Satharasinghe	rathnapala57@gmail.com	112848172	Seller	d54b76b2bad9d9946011ebc62a1d272f4122c7b5
Edit Copy Delete	6	Uzumaki Naruto	seventhhokage@konoha.com	781645154	Buyer	30638e2be9d2bb7a5bba150843236cf05a61c8fa
Edit Copy Delete	7	Yuzawa Gaara	fifthkazekage@sangukure.com	144897456	Grower	1496aa696d9d35aa2c23b0f1ef3020df7f26f869
Edit Copy Delete	8	Mankey D Luffy	piratetking@bluesea.com	316548489	Grower	e3115c315d8dcaeaa7889fd4a688c0f6e157b954
Edit Copy Delete	9	Minato Namikaze	forthhokage@konoha.com	715689789	Advisor	4a5c73ce424eb96899913b61297879fc24024a2b

The last record was created successfully.

Also when uploading an image we create data. As shown below,



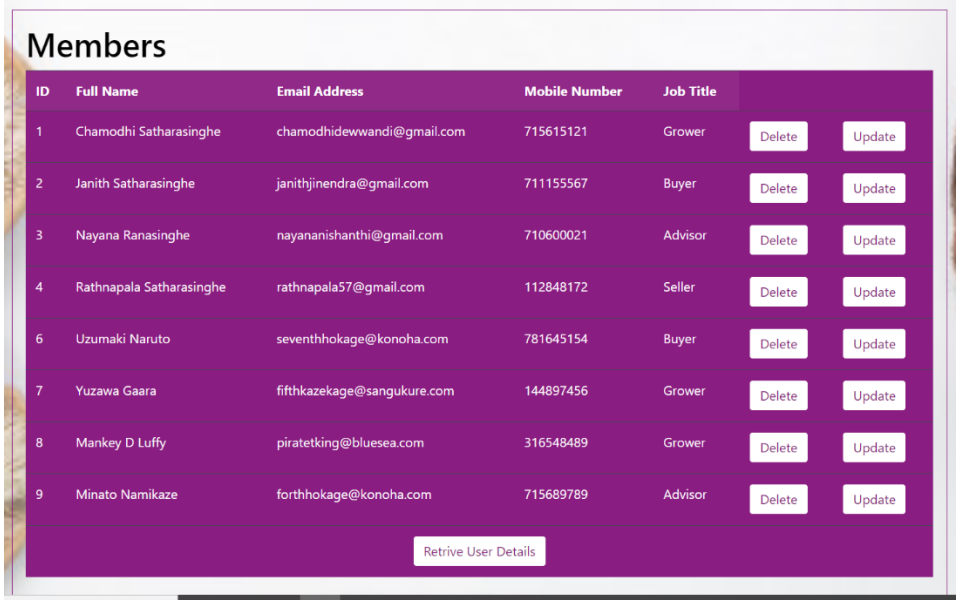


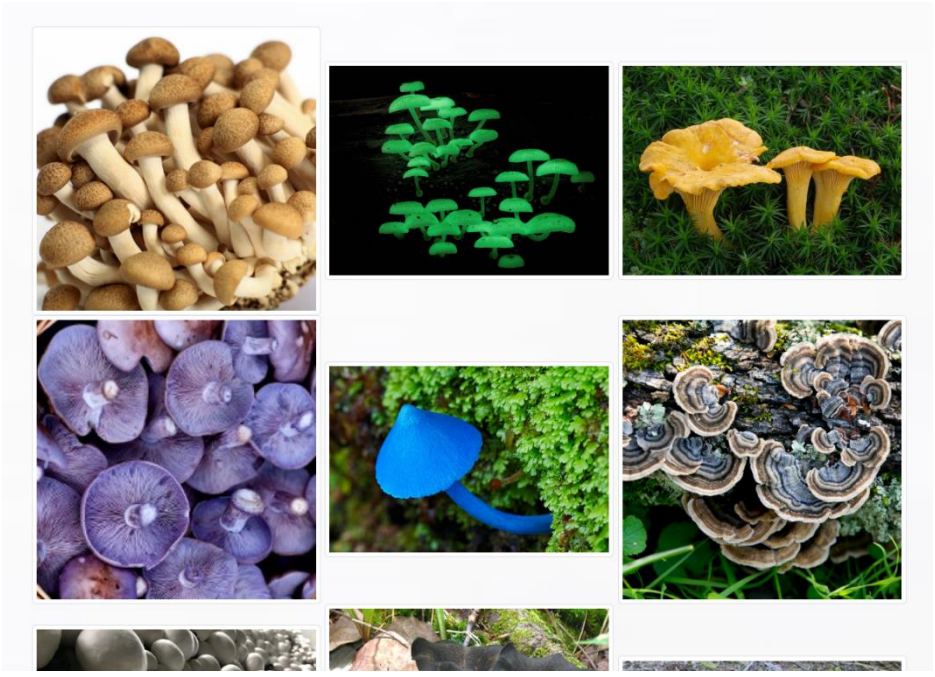
+ Options

	id	avatar
Edit Copy Delete	1	http://[::1]/myapp/uploads/beech6.jpg
Edit Copy Delete	2	http://[::1]/myapp/uploads/Bioluminescent_fungi.jp...
Edit Copy Delete	3	http://[::1]/myapp/uploads/chanterelle.jpg
Edit Copy Delete	4	http://[::1]/myapp/uploads/blue_stalk.jpg
Edit Copy Delete	5	http://[::1]/myapp/uploads/sky_blue.jpg
Edit Copy Delete	6	http://[::1]/myapp/uploads/turkey_tail.jpg
Edit Copy Delete	7	http://[::1]/myapp/uploads/button.jpg
Edit Copy Delete	8	http://[::1]/myapp/uploads/black_trumpet2.jpg
Edit Copy Delete	9	http://[::1]/myapp/uploads/coliflower.jpg
Edit Copy Delete	10	http://[::1]/myapp/uploads/cremini.jpg
Edit Copy Delete	11	http://[::1]/myapp/uploads/death_cap.jpg
Edit Copy Delete	12	http://[::1]/myapp/uploads/destroying_angle.jpg
Edit Copy Delete	13	http://[::1]/myapp/uploads/enoki.jpg
Edit Copy Delete	14	http://[::1]/myapp/uploads/hedgehog.jpg
Edit Copy Delete	15	http://[::1]/myapp/uploads/king_trumpet.jpg
Edit Copy Delete	16	http://[::1]/myapp/uploads/morel.jpg
Edit Copy Delete	17	http://[::1]/myapp/uploads/oyster.jpg

Read

There are three instances where it reads the data one is when showing the member details table and when updating the user details it fill the areas automatically by retrieving the data and the library shows the images where image urls are in the database. These instances are shown below.



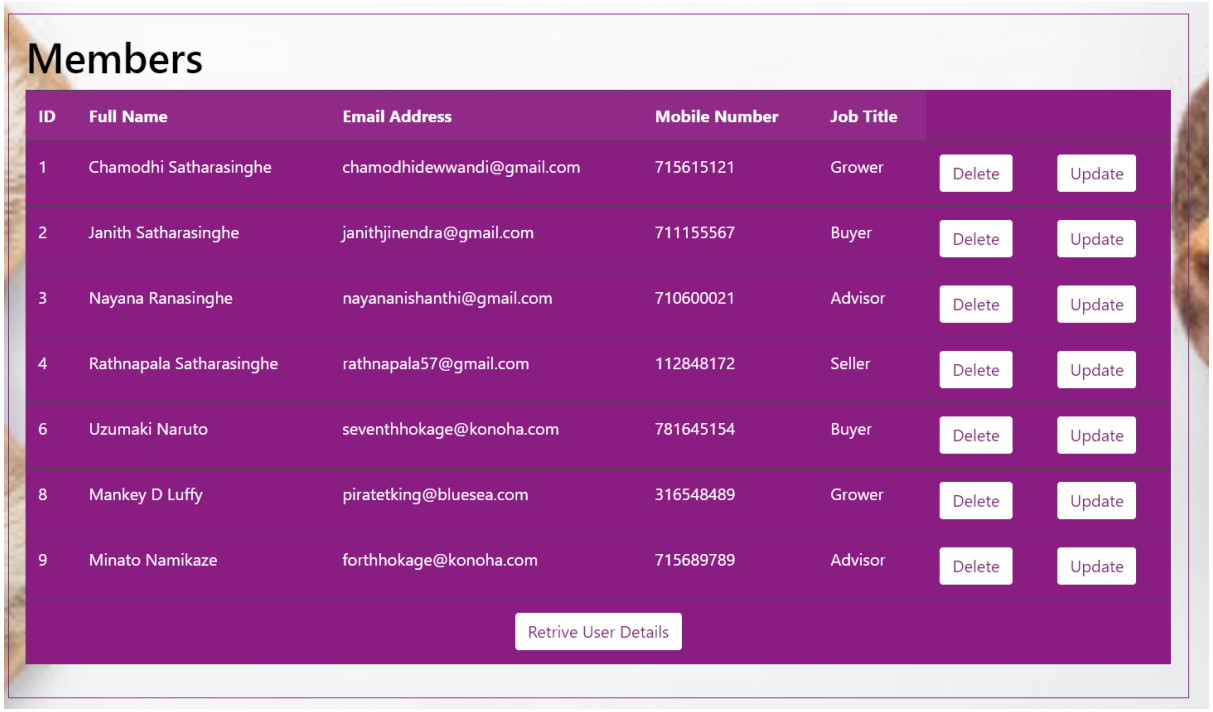


Update

As you can see above update form which appears when click the update button. We can change data of the database.

Delete

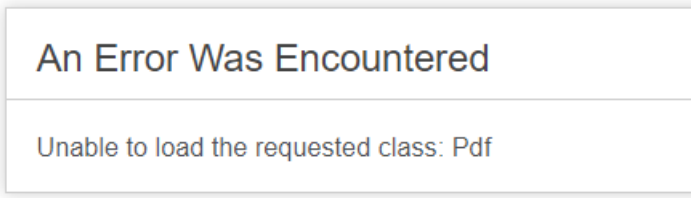
This also same as the previous where we can delete using the delete button and the record of that user will be deleted from database.



As you can see above one record has been deleted.

Generate Report

I tried to generate report but using pdf library, but the system gives and error msg as shown below,



this appears after clicking the retrieve user details button. And I couldn't find a proper solution for that.