

ENSE 885 AJ
Software Design and Architecture

Assignment #6

Email Conformation Subscription

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Note:

Access home page using <http://142.3.27.3/home.php>

Access login page using <http://142.3.27.3/login.php>

EMAIL CONFORMATION SUBSCRIPTION

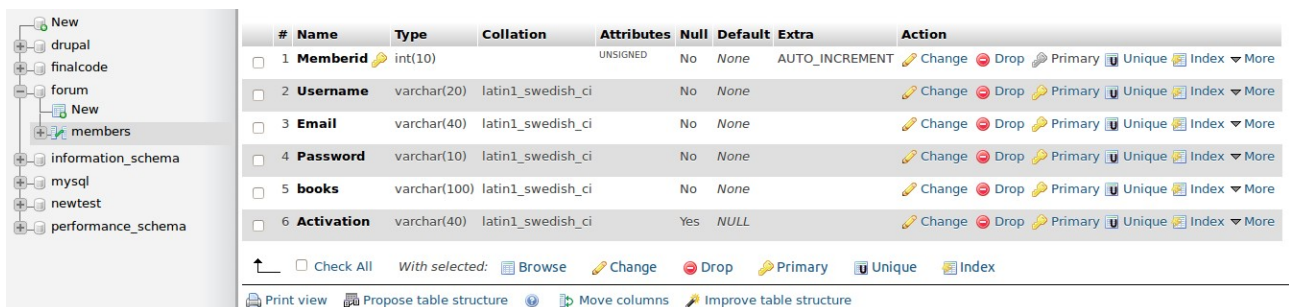
Here, with this pdf file, I have attached 8 more files with codes on it. Those file names are listed as follows

1. **database_connection.php** - Database connection details
2. **home.php** - Subscribers entry page
3. **activation.php** – Email activation message page
4. **login.php** - simple login page for registered subscribers
5. **page.php** - display the subscribed data from database
6. **edit.php** - page for editing the subscription
7. **update.php** - page which updates the changes in database (hidden page)
8. **logout.html** - simple logout page with message

From the Assignment #2, I used the same codes and designs with more additional changes required for this Assignment #6.

Database Configuration

In PhpMyAdmin, I created database with a table and its fields as given below



The screenshot shows the PhpMyAdmin interface. On the left, a tree view shows the database structure with 'members' selected. The main area displays a table configuration for 'members' with the following fields:

#	Name	Type	Collation	Attributes	Null	Default	Extra	Action
1	Memberid	int(10)		UNSIGNED	No	None	AUTO_INCREMENT	Change Drop Primary Unique Index More
2	Username	varchar(20)	latin1_swedish_ci		No	None		Change Drop Primary Unique Index More
3	Email	varchar(40)	latin1_swedish_ci		No	None		Change Drop Primary Unique Index More
4	Password	varchar(10)	latin1_swedish_ci		No	None		Change Drop Primary Unique Index More
5	books	varchar(100)	latin1_swedish_ci		No	None		Change Drop Primary Unique Index More
6	Activation	varchar(40)	latin1_swedish_ci		Yes	NULL		Change Drop Primary Unique Index More

Below the table, there are options to 'Check All', 'With selected', 'Browse', 'Change', 'Drop', 'Primary', 'Unique', and 'Index'. At the bottom, there are links for 'Print view', 'Propose table structure', 'Move columns', and 'Improve table structure'.

In the database_connection.php file, I used the database, table and field names. Also there I configured the details of SMTP and Email

SMTP as smtp.uregina.ca

Email as aravindmerrick@gmail.com

SMTP used to send the activation link using the mail id mentioned to the subscriber on clicking the activation link, the subscriber's email have registered into the database. The screenshots of all the webpages and the process of how it works are given clearly as follows

Home Page – home.php (http://142.3.27.3/home.php)

Student Subscriptio x

142.3.27.3/home.php

Free E-book Student Subscription

Every student can subscribe more than 3 e-books

Name

Email

Password

C++ ☐

HTML ☒

Java ☐

PHP ☒

MATLAB ☒

Already a member? [Click Here to Login](#)

after entering the data and click subscribe it send an activation mail to the particular email that subscriber mentioned in the Email column. If he/she is an already registered user, there is a link which takes them to the login page.

Student Subscriptio x

142.3.27.3/home.php

Thank you for registering! A confirmation email has been sent to aravindmerrick@gmail.com Please click on the Activation Link to Activate your account

Free E-book Student Subscription

Every student can subscribe more than 3 e-books

Name

Email

Password

C++ ☐

HTML ☐

Java ☐

PHP ☐

MATLAB ☐

Already a member? [Click Here to Login](#)

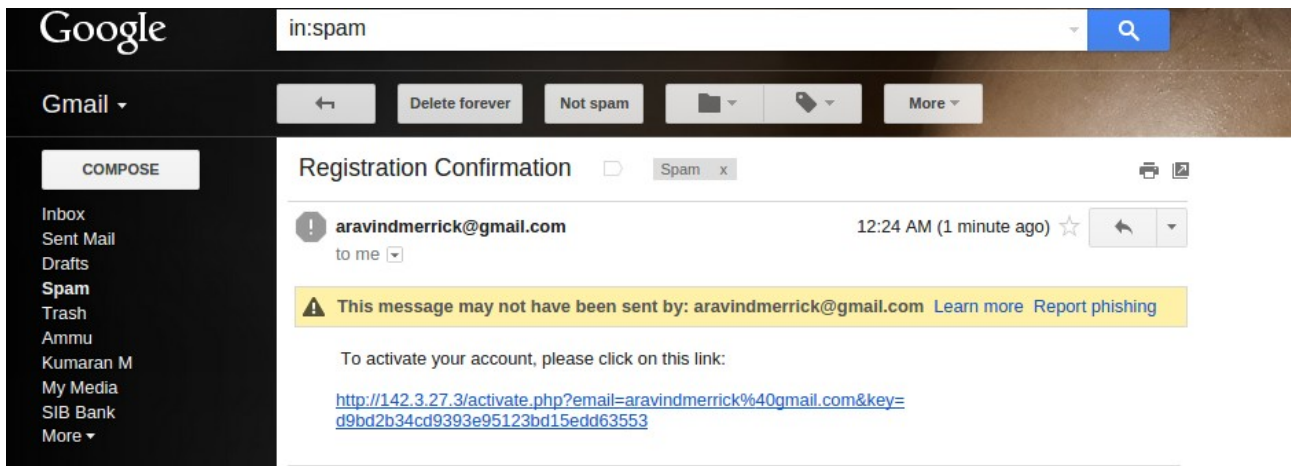
It display a message after clicking subscribe button as “Thanks for registering, and An activation email has been sent” like that.

DB before Activation

+ Options		Memberid	Username	Email	Password	books	Activation
<input type="checkbox"/> Edit Copy Delete		1	Aravind	aravindmerrick@gmail.com	merrick	HTML, PHP, MATLAB	d9bd2b34cd9393e95123bd15edd63553

under the Activation field it generates random key with the combination of alpha-numeric character

Email Activation Link

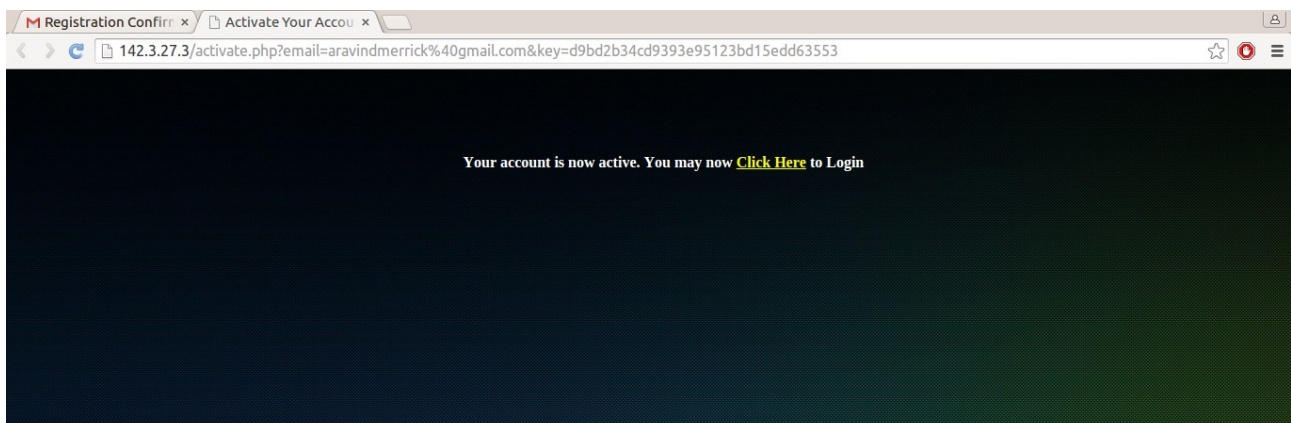


DB after Activation

+ Options		Memberid	Username	Email	Password	books	Activation
<input type="checkbox"/> Edit Copy Delete		1	Aravind	aravindmerrick@gmail.com	merrick	HTML, PHP, MATLAB	NULL

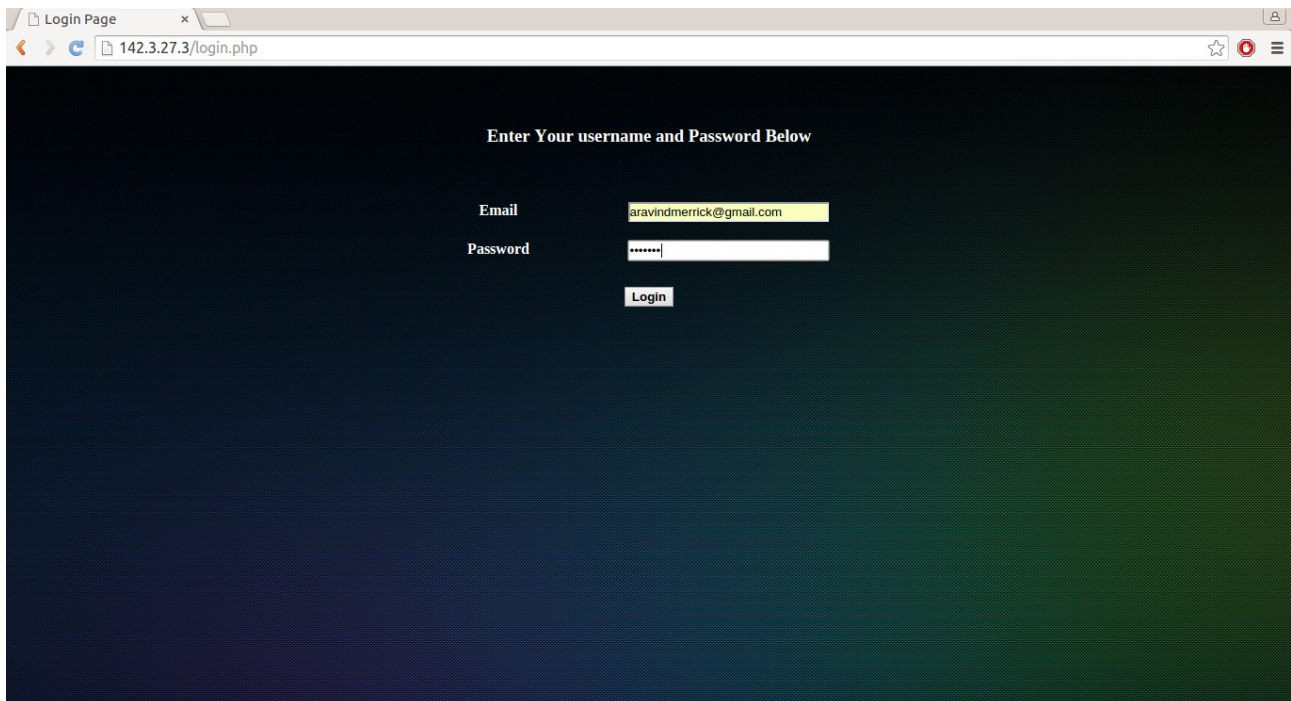
once the activation link is clicked by the subscriber, in the database, in Activation field the random key alpha-numeric combination has changed to NULL.

Activation Page - activation.php



On clicking activation link on email, it takes to the activation page says the message whether email is activated or not

Login Page – login.php (http://142.3.27.3/login.php)



A screenshot of a web browser displaying the login page. The browser's address bar shows '142.3.27.3/login.php'. The page has a dark blue background with a subtle gradient. At the top, it says 'Enter Your username and Password Below'. Below this, there are two input fields: 'Email' with the value 'aravindmerrick@gmail.com' and 'Password' with masked characters '*****'. A 'Login' button is positioned below the password field.

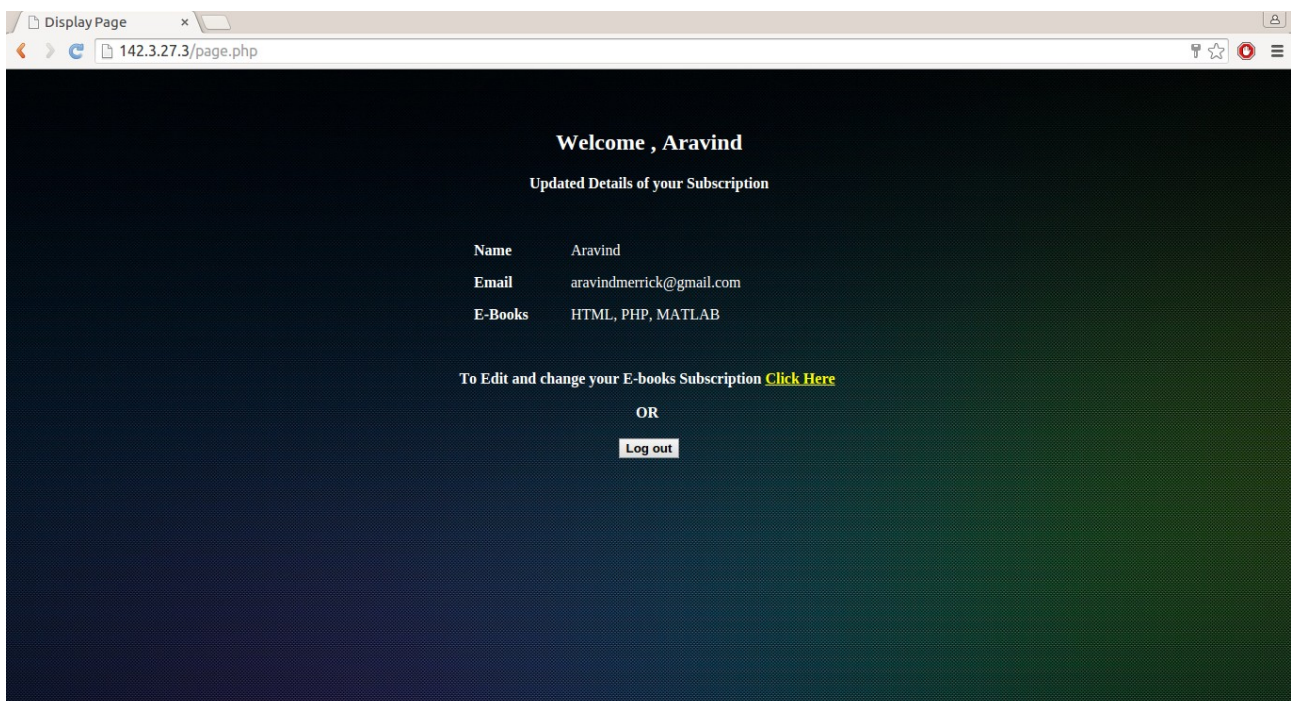
Enter Your username and Password Below

Email

Password

once the email is activated, the subscriber can be able to login using his/her email id and password and while clicking login button it takes to the page.php

Display Page – page.php (http://142.3.27.3/page.php)



A screenshot of a web browser displaying the display page. The browser's address bar shows '142.3.27.3/page.php'. The page has a dark blue background with a subtle gradient. At the top, it says 'Welcome , Aravind'. Below this, it says 'Updated Details of your Subscription'. Below this, there is a table with three rows: 'Name' with the value 'Aravind', 'Email' with the value 'aravindmerrick@gmail.com', and 'E-Books' with the value 'HTML, PHP, MATLAB'. Below the table, it says 'To Edit and change your E-books Subscription [Click Here](#)'. Below this, it says 'OR'. At the bottom, there is a 'Log out' button.

Welcome , Aravind

Updated Details of your Subscription

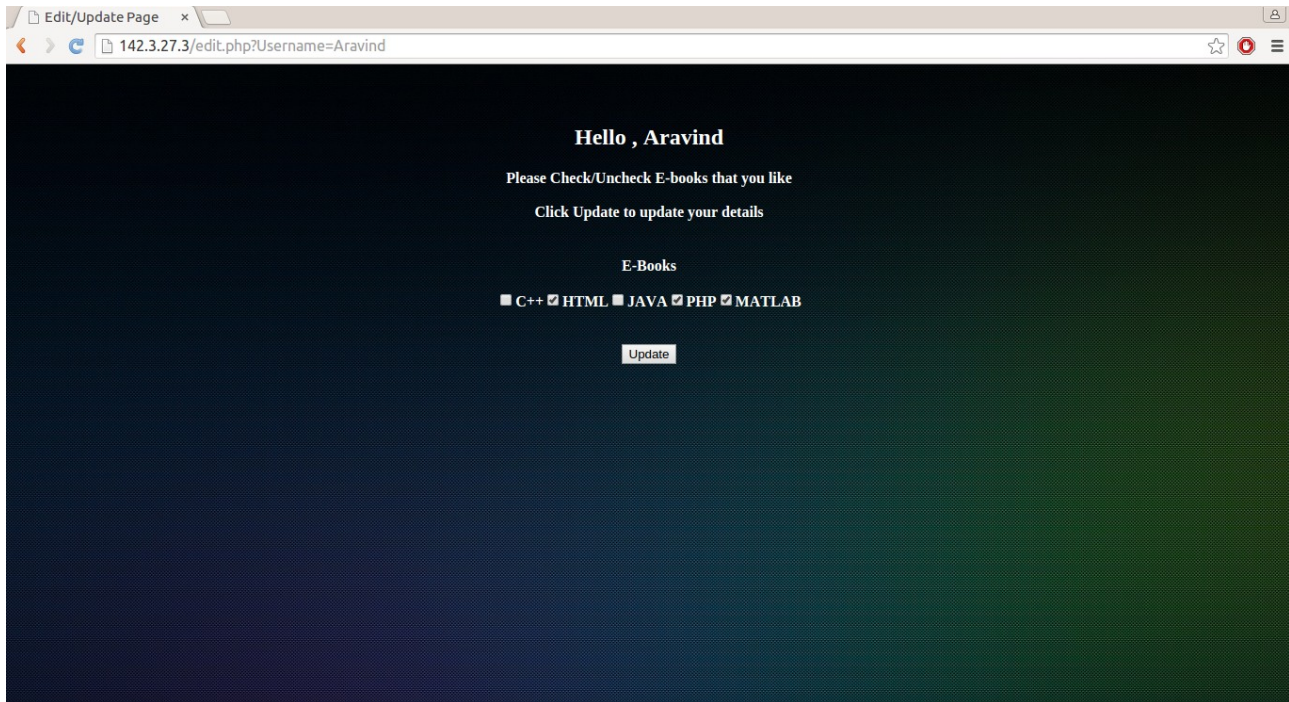
Name	Aravind
Email	aravindmerrick@gmail.com
E-Books	HTML, PHP, MATLAB

To Edit and change your E-books Subscription [Click Here](#)

OR

here in this page it welcome the subscriber and displays name, email and subscribed e-books and an option link to edit the subscription or logout button

Edit Page – edit.php (http://142.3.27.3/edit.php)



this page fetches the data from the database and allows the user to make changes to the subscription and needs to click update button to be updated in the database

As we know from the Activation area, the subscribed books of the user here, I mention is “HTML, PHP, MATLAB” and made changes to “C++, JAVA”

DB before update

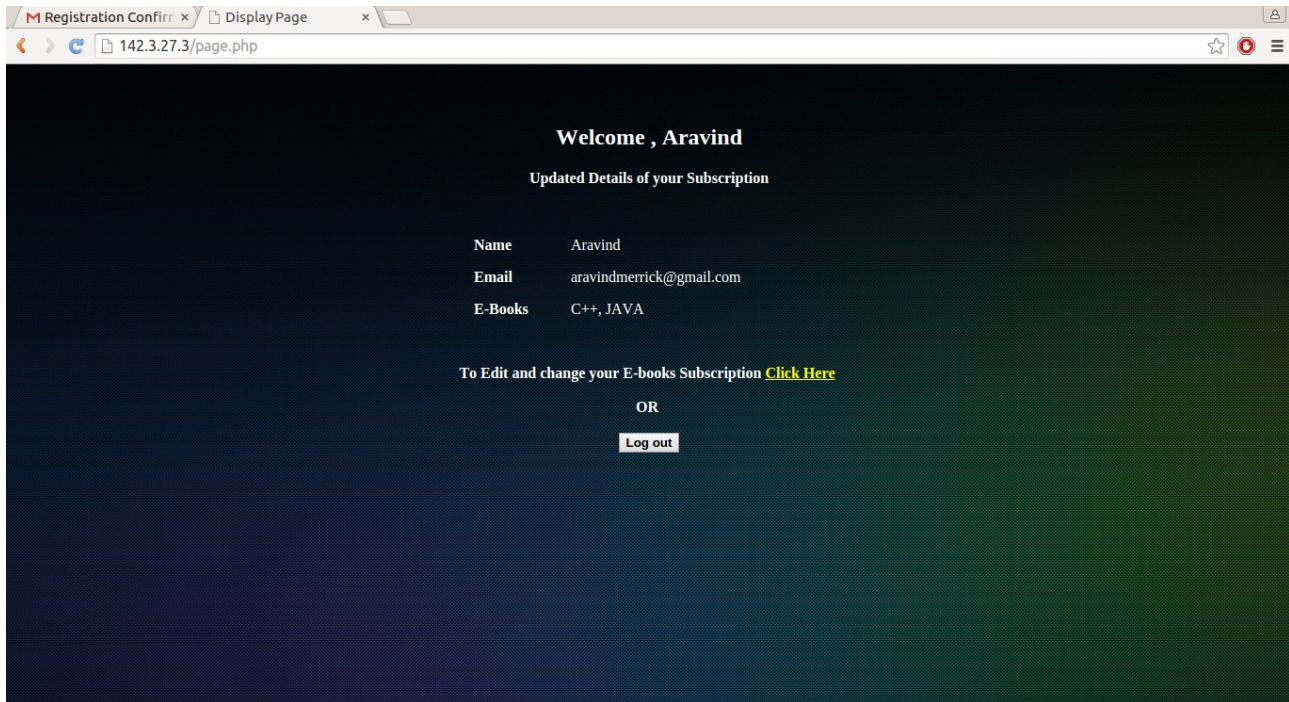
+ Options		Memberid	Username	Email	Password	books	Activation
<input type="checkbox"/>	Edit Copy Delete	1	Aravind	aravindmerrick@gmail.com	merrick	HTML, PHP, MATLAB	NULL

DB after update

+ Options		Memberid	Username	Email	Password	books	Activation
<input type="checkbox"/>	Edit Copy Delete	1	Aravind	aravindmerrick@gmail.com	merrick	C++, JAVA	NULL

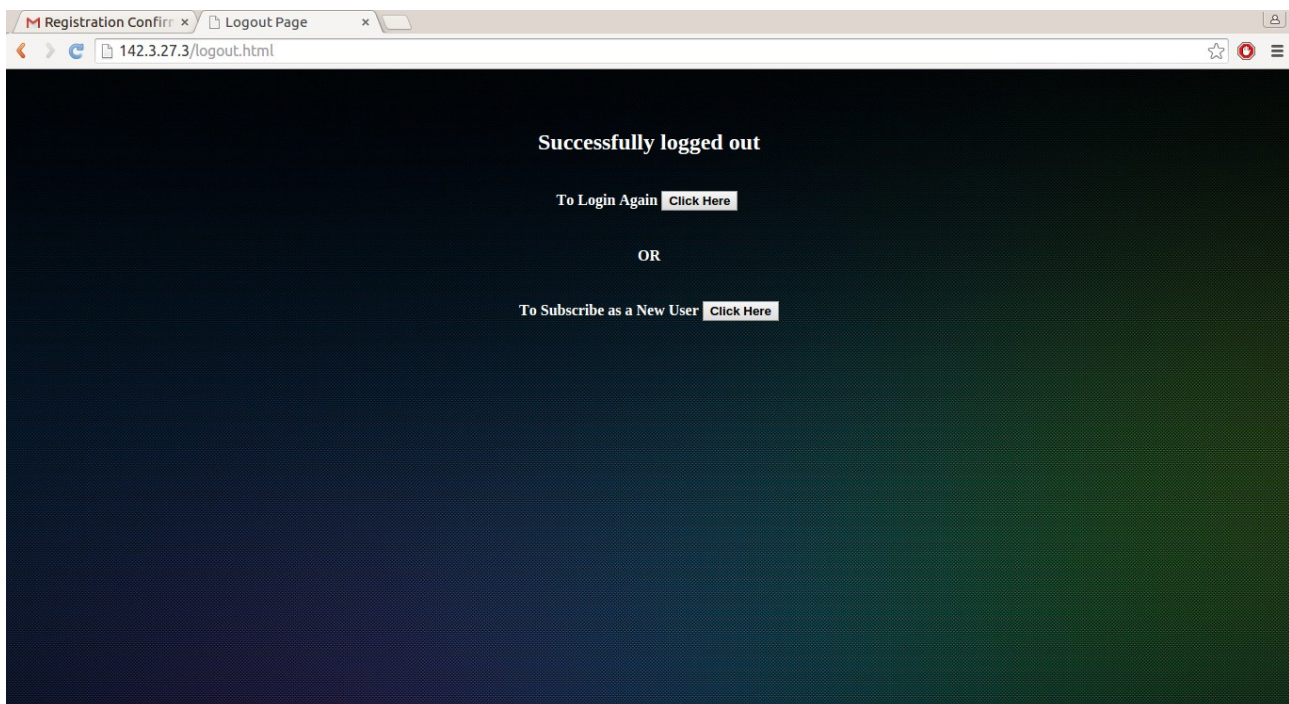
The UPDATE button on edit.php is connected with the update.php page, which does the update process and make changes in the database and again takes to page.php which shows the result of updated changes

Updated Page – page.php



Logout Page – logout.html (http://142.3.27.3/logout.html)

This is the simple html page which says the user has successfully logged out and gives them option to go the home.php page or login.php page



References:

1. Email Activation

- <http://youhack.me/2010/04/01/building-a-registration-system-with-email-verification-in-php/>

2. Checkbox Database Fetch

- https://www.youtube.com/watch?v=YfSI5OaJkOs&index=21&list=PL2nsdvImagM-M5zx1wxm2u8JR_qrTPtp0
- https://www.youtube.com/watch?v=TlaVvFOPVDQ&index=22&list=PL2nsdvImagM-M5zx1wxm2u8JR_qrTPtp0

3. HTML

- <http://www.w3schools.com/html/>

4. PHP

- <http://www.w3schools.com/php/>
- <http://www.tutorialspoint.com//php/index.htm>