Table Of Contents

1.Implementation

1.1. URL of the Application

- The URL of the Application - **http://localhost/CW_w1810013/**

1.2. Code Listings

1.2.1.Controllers

database.php

```php
<?php
defined('BASEPATH') OR exit('No direct script access
allowed');
$db['default'] = array(
 'dsn' => '',
 'hostname' => 'localhost',
 'username' => 'w1810013',
 'password' => 'G6l7gNLx2IEE',
 'database' => 'w1810013_0',
 'dbdriver' => 'mysqli',
 'dbprefix' => '',
 'pconnect' => FALSE,
 'db_debug' => (ENVIRONMENT !== 'production'),
```

```
 'cache_on' => FALSE,
 'cachedir' => '',
 'char_set' => 'utf8',
 'dbcollat' => 'utf8_general_ci',
 'swap_pre' => '',
 'encrypt' => FALSE,
 'compress' => FALSE,
 'stricton' => FALSE,
 'failover' => array(),
 'save_queries' => TRUE
);
```

AnswersController.php

```php
<?php
defined('BASEPATH') or exit('No direct script access
allowed');
class AnswersController extends CI_Controller
{
    public function __construct()
    {
        parent::__construct();
        $this->load->model('Answer_Model');
    }

    public function index()
    {
```

```php
        $userid = $this->session->userdata('uid');
        $this->load->model('User_Profile_Model');
        $this->load->model('Question_Model');
    }


    public function view($question_id)
    {
        $data['question'] =
$this->Question_Model->getQuestion($question_id);
        $data['answers'] =
$this->Question_Model->getAnswers($question_id);
        $this->load->view('questions/questions_view',
$data);
    }


    public function ask()
    {
        $question_id = $this->uri->segment(4);
        $id = $this->uri->segment(5);
        $data = array(
            'answer' =>
$this->input->post('answer_title'),
            'user_id' => $id,
            'id' => $question_id
        );
```

```php
        $answer =
$this->Answer_Model->insertAnswer($data);


        redirect("questions/QuestionsController");


    }
}
```

QuestionsController.php

```php
<?php
defined('BASEPATH') or exit('No direct script access
allowed');
class QuestionsController extends CI_Controller
{
    public function __construct()
    {
        parent::__construct();
        $this->load->model('Question_Model');
    }


    public function index()
    {
        $userid = $this->session->userdata('uid');
        $this->load->model('User_Profile_Model');
        $profiledetails =
$this->User_Profile_Model->getprofile($userid);
```

```php
        $questions['questions'] =
$this->Question_Model->getAllQuestions();
        $this->load->view('questions/questions_view',
['profile' => $profiledetails, 'questions' =>
$questions]);
    }


    public function view($question_id)
    {
        $data['question'] =
$this->Question_Model->getQuestion($question_id);
        $data['answers'] =
$this->Question_Model->getAnswers($question_id);
        $this->load->view('questions/questions_view',
$data);
    }


    public function ask()
    {
        $this->load->library('form_validation');


$this->form_validation->set_rules('question_title',
'questionTitle', 'required');
```

```php
        if ($this->form_validation->run() === FALSE) {

$this->load->view('questions/QuestionsController');
        } else {
            $id = $this->uri->segment(4);
            $data = array(
                'questionTitle' =>
$this->input->post('question_title'),
                'user_id' => $id,
            );


            $question_id =
$this->Question_Model->insertQuestion($data);


            redirect("questions/QuestionsController");
        }
    }
}
```

Login.php

```php
<?php
defined('BASEPATH') OR exit('No direct script access
allowed');
Class Login extends CI_Controller {



public function index(){
```

```php
$this->form_validation->set_rules('emailid','Email
id','required|valid_email');
$this->form_validation->set_rules('password','Password','
required');
if($this->form_validation->run()){
$emailid=$this->input->post('emailid');
$password=$this->input->post('password');
$status=1;
$this->load->model('User_Login_Model');
$validate=$this->User_Login_Model->validatelogin($emailid
,$password,$status);
if($validate)
{
$this->session->set_userdata('uid',$validate);
return redirect('questions/QuestionsController');
} else{
$this->session->set_flashdata('error', 'Invalid details.
Please try again with valid details');
redirect('/');


}


} else {
$this->load->view('CW_w1810013/user/login');
}
}


//function for logout
```

```php
public function logout(){
$this->session->unset_userdata('uid');
$this->session->sess_destroy();
return redirect('');

}


}
```

SignUp.php

```php
<?php
defined('BASEPATH') OR exit('No direct script access
allowed');
Class Signup extends CI_Controller {
 public function index(){
$this->form_validation->set_rules('firstname','First
Name','required|alpha');
$this->form_validation->set_rules('lastname','Last
Name','required|alpha');
$this->form_validation->set_rules('emailid','Email
id','required|valid_email|is_unique[tblusers.emailId]');
$this->form_validation->set_rules('mobilenumber','Mobile
Number','required|numeric|exact_length[10]');
$this->form_validation->set_rules('password','Password','
required|min_length[6]');
$this->form_validation->set_rules('confirmpassword','Conf
irm
Password','required|min_length[6]|matches[password]');
```

```php
if($this->form_validation->run()){
$fname=$this->input->post('firstname');
$lname=$this->input->post('lastname');
$emailid=$this->input->post('emailid');
$mnumber=$this->input->post('mobilenumber');
$password=$this->input->post('password');
$status=1;
$this->load->model('Signup_Model');
$this->Signup_Model->insert($fname,$lname,$emailid,$mnumber,$password,$status);
} else {
$this->load->view('/user/signup');
}


}
```

User_Profile.php

```php
<?php
defined('BASEPATH') OR exit('No direct script access allowed');
Class User_profile extends CI_Controller {
function __construct(){
parent::__construct();
if(! $this->session->userdata('uid'))
```

```php
redirect('user/login');
$this->load->model('User_Profile_Model');
}


public function index(){
$userid = $this->session->userdata('uid');
$profiledetails=$this->User_Profile_Model->getprofile($us
erid);
$this->load->view('user/user_profile',['profile'=>$profil
edetails]);
}



public function updateprofile(){
$this->form_validation->set_rules('firstname','First
Name','required|alpha');
$this->form_validation->set_rules('lastname','Last
Name','required|alpha');
$this->form_validation->set_rules('mobilenumber','Mobile
Number','required|numeric|exact_length[10]');
if($this->form_validation->run()){
$fname=$this->input->post('firstname');
$lname=$this->input->post('lastname');
$mnumber=$this->input->post('mobilenumber');
$userid = $this->session->userdata('uid');
$this->User_Profile_Model->update_profile($fname,$lname,$
mnumber,$userid);
```

```php
$this->session->set_flashdata('success','Profile updated
successfully');
return redirect('user/user_profile');


} else {
 $this->session->set_flashdata('error', 'Something went
wrong. Please try again with valid format.');
redirect('user/user_profile');
}



}
}
```

Home.php

```php
<?php
defined('BASEPATH') OR exit('No direct script access
allowed');
Class Home extends CI_Controller {


public function index()
{
$this->load->view('login');
}



}
```

Change_Password.php

```php
<?php
defined('BASEPATH') OR exit('No direct script access
allowed');
Class Change_password extends CI_Controller {
function __construct(){
parent::__construct();
if(! $this->session->userdata('uid'))
redirect('user/login');
}

public function index(){
$this->form_validation->set_rules('currentpassword','Curr
ent Password','required|min_length[6]');
$this->form_validation->set_rules('password','Password','
required|min_length[6]');
$this->form_validation->set_rules('confirmpassword','Conf
irm
Password','required|min_length[6]|matches[password]');
if($this->form_validation->run()){
$cpassword=$this->input->post('currentpassword');
$newpassword=$this->input->post('password');
$userid = $this->session->userdata('uid');
$this->load->model('User_Changepassword_Model');
$cpass=$this->User_Changepassword_Model->getcurrentpasswo
rd($userid);
echo $dbpass=$cpass->userPassword;
```

```php
if($dbpass==$cpassword){
if($this->User_Changepassword_Model->updatepassword($user
id,$newpassword))
{
$this->session->set_flashdata('success', 'Password
changed successfully');
 redirect('user/change_password');
}


} else {
$this->session->set_flashdata('error', 'Wrong Password.
Error!!');
redirect('user/change_password');
}
} else {
$this->load->view('user/change_password');
}
}




}
```

1.2.2. Models

ManageUsers_Model.php

```php
<?php
defined('BASEPATH') OR exit('No direct script access
allowed');
Class ManageUsers_Model extends CI_Model{
 public function getusersdetails(){

$query=$this->db->select('firstName,lastName,emailId,regD
ate,id')
                ->get('tblusers');
        return $query->result();
 }
//Getting particular user deatials on the basis of id
public function getuserdetail($uid){

$ret=$this->db->select('firstName,lastName,emailId,regDat
e,id,mobileNumber,lastUpdationDate')
            ->where('id',$uid)
            ->get('tblusers');
            return $ret->row();
}


// Function for use deletion
public function deleteuser($uid){
$sql_query=$this->db->where('id', $uid)
```

```
                ->delete('tblusers');
        }


}
```

Answer_Model

```php
<?php
defined('BASEPATH') OR exit('No direct script access
allowed');
class Answer_Model extends CI_Model
{

    public function getAnswers($question_id)
    {
        $this->db->where('id', $question_id);
        $query = $this->db->get('answers');
        return $query->result();
    }

    public function insertAnswer($data)
    {
        return $this->db->insert('answers', $data);
    }
}
```

Question_Model

```php
<?php
defined('BASEPATH') or exit('No direct script access
allowed');
class Question_Model extends CI_Model
{

    public function getAllQuestions()
    {
        $query = $this->db->get('questions');
        return $query->result();
    }


    public function getAnswers($question_id)
    {
        $this->db->where('question_id', $question_id);
        $query = $this->db->get('answers');
        return $query->result();
    }


    public function insertQuestion($data)
    {
        return $this->db->insert('questions', $data);
    }
}
```

Signup_Model

```php
<?php
```

```php
defined('BASEPATH') or exit('No direct script access
allowed');
class Signup_Model extends CI_Model
{

 public function insert($fname, $lname, $emailid,
$mnumber, $password, $status)
 {
   $data = array(
     'firstName' => $fname,
     'lastName' => $lname,
     'emailId' => $emailid,
     'mobileNumber' => $mnumber,
     'userPassword' => $password,
     'isActive' => $status
   );
   $sql_query = $this->db->insert('tblusers', $data);
   if ($sql_query) {
     $this->session->set_flashdata('success',
'Registration successfull');
     redirect('user/signup');
   } else {
     $this->session->set_flashdata('error', 'Somthing
went worng. Error!!');
     redirect('user/signup');
   }

 }
```

```
}
```

User_Login_Model.php

```php
<?php
defined('BASEPATH') or exit('No direct script access
allowed');
class User_Login_Model extends CI_Model
{



 public function validatelogin($emailid, $password,
$status)
 {

   $query = $this->db->where(['emailId' => $emailid,
'userPassword' => $password]);
   $account = $this->db->get('tblusers')->row();
   if ($account != NULL) {
     $dbstatus = $account->isActive;


     //verifying status
     if ($dbstatus == $status) {
       return $account->id;
     } else {
       return NULL;
```

```php
        $this->session->set_flashdata('error', 'Your
account is is not active');

        redirect('user/login');

    }

  }

  return NULL;

 }
}
```

User_Changepassword_Model.php

```php
<?php
defined('BASEPATH') OR exit('No direct script access
allowed');
Class User_Changepassword_Model extends CI_Model {

public function getcurrentpassword($userid){
$query=$this->db->where(['id'=>$userid])
                ->get('tblusers');
        if($query->num_rows() > 0)
        {
         return $query->row();
        }
}

public function updatepassword($userid,$newpassword){
$data=array('userPassword' =>$newpassword );
return $this->db->where(['id'=>$userid])
```

```
                    ->update('tblusers',$data);

 }


}
```

User_Profile_Model.php

```php
<?php
defined('BASEPATH') or exit('No direct script access
allowed');
class User_Profile_Model extends CI_Model
{

 public function getprofile($userid)
 {
   $query =
$this->db->select('firstName,lastName,emailId,mobileNumbe
r,regDate,id')
     ->where('id', $userid)
     ->from('tblusers')
     ->get();
   return $query->row();
 }


 public function update_profile($fname, $lname, $mnumber,
$userid)
```

```php
{
    $data = array(
        'firstName' => $fname,
        'lastName' => $lname,
        'mobileNumber' => $mnumber
    );


    $sql_query = $this->db->where('id', $userid)
        ->update('tblusers', $data);



}

}
```

1.2.3.Views

questions_view.php

```html
<!DOCTYPE html>
<html lang="en">

<head>

 <meta charset="utf-8">
 <meta http-equiv="X-UA-Compatible" content="IE=edge">
 <meta name="viewport" content="width=device-width,
initial-scale=1, shrink-to-fit=no">
 <meta name="description" content="">
 <meta name="author" content="">

 <title>Q & A</title>

 <!-- Bootstrap core CSS-->
 <?php echo
link_tag('assests/vendor/bootstrap/css/bootstrap.min.css'
); ?>
 <!-- Custom fonts for this template-->
 <?php echo
link_tag('assests/vendor/fontawesome-free/css/all.min.css
'); ?>
 <!-- Page level plugin CSS-->
```

```php
  <?php echo
link_tag('assests/vendor/datatables/dataTables.bootstrap4
.css'); ?>
  <!-- Custom styles for this template-->
  <?php echo link_tag('assests/css/sb-admin.css'); ?>

</head>

<body id="page-top">

  <?php include APPPATH .
'views/user/includes/header.php'; ?>

  <div id="wrapper">

    <!-- Sidebar -->
    <?php include APPPATH .
'views/user/includes/sidebar.php'; ?>

    <div id="content-wrapper">

      <div class="container-fluid">

        <!-- Breadcrumbs-->
        <ol class="breadcrumb">
          <li class="breadcrumb-item">
            <a href="<?php echo
base_url('questions/QuestionsController'); ?>">User</a>
```

```php
        </li>
        <li class="breadcrumb-item active">Q & A</li>
      </ol>
      <h3 class="text-capitalize text-center
font-weight-bold">Welcome Back <?php echo
$profile->firstName; ?>
        <?php echo $profile->lastName; ?>
<span>&#128512;</span>
      </h3>
      <?php echo
form_open('questions/QuestionsController/ask/' .
$profile->id); ?>

      <div class="card bg-light px-3 py-3 border-0
shadow-sm w-50 d-block mx-auto">
        <div class="input-group">
          <input type="text" name="question_title"
class="form-control py-4" placeholder="Enter a question"
id="title"
            value="<?php echo
set_value('question_title'); ?>">
          <div class="input-group-append">
            <input class="btn btn-primary" type="submit"
value="Submit">
          </div>
        </div>
      </div>
```

```php
        <?php echo form_close(); ?>
    </div>
    <?php
    $counter = 1;
    foreach ($questions['questions'] as $question) {
        echo "<div class='my-5 w-75 d-block mx-auto'>";
        echo "<h3 class='font-weight-bold
text-capitalize'>" . $counter++ . '. ' .
$question->questionTitle . ' ?' . "</h3>";
        echo form_open("answers/AnswersController/ask/" .
$question->id . '/' . $profile->id);
        echo '
            <div class="input-group">
            <input type="text" name="answer_title"
class="form-control" placeholder="Enter your answer"
id="answers_title"
            value="' . set_value('answer_title') . '">
            <div class="input-group-append">
              <input class="btn btn-primary" type="submit"
value="Submit">
            </div>
        </div>
        </div>
        ';
        echo form_close();
    }
    ?>
    <!-- Sticky Footer -->
```

```php
        <?php include APPPATH .
'views/user/includes/footer.php'; ?>


    </div>


 </div>



 <!-- Scroll to Top Button-->
 <a class="scroll-to-top rounded" href="#page-top">
   <i class="fas fa-angle-up"></i>
 </a>



 <!-- Logout Modal-->



 <!-- Bootstrap core JavaScript-->
 <script src="<?php echo
base_url('assests/vendor/jquery/jquery.min.js');
?>"></script>
 <script src="<?php echo
base_url('assests/vendor/bootstrap/js/bootstrap.bundle.mi
n.js'); ?>"></script>


 <!-- Core plugin JavaScript-->
 <script src="<?php echo
base_url('assests/vendor/jquery-easing/jquery.easing.min.
js'); ?>"></script>
```

```
<!-- Page level plugin JavaScript-->
<script src="<?php echo
base_url('assests/vendor/chart.js/Chart.min.js');
?>"></script>
<script src="<?php echo
base_url('assests/vendor/datatables/jquery.dataTables.js'
); ?>"></script>
<script src="<?php echo
base_url('assests/vendor/datatables/dataTables.bootstrap4
.js'); ?>"></script>


<!-- Custom scripts for all pages-->
<script src="<?php echo
base_url('assests/js/sb-admin.min.js'); ?>"></script>
<script src="<?php echo
base_url('assests/js/demo/datatables-demo.js');
?>"></script>
<script src="<?php echo
base_url('assests/js/demo/chart-area-demo.js');
?>"></script>


</body>


</html>
```

login.php

```
<!DOCTYPE html>
```

```php
<html lang="en">
  <head>
    <title>User Login</title>


<?php echo
link_tag('assests/vendor/bootstrap/css/bootstrap.min.css'
); ?>
<?php echo
link_tag('assests/vendor/fontawesome-free/css/all.min.css
'); ?>
<?php echo link_tag('assests/css/sb-admin.css'); ?>


  </head>


  <body class="bg-dark">


    <div class="container">
      <div class="card card-login mx-auto mt-5">
        <div class="card-header">Login</div>
        <!---- Error Message ---->


<?php if ($this->session->flashdata('error')) { ?>
<p style="color:red; font-size:18px;"
align="center"><?php echo
$this->session->flashdata('error');?></p>


<?php } ?>
        <div class="card-body">
```

```php
<?php echo form_open('user/login');?>
            <div class="form-group">
                <div class="form-label-group">
<?php echo
form_input(['name'=>'emailid','id'=>'emailid','class'=>'f
orm-control','autofocus'=>'autofocus','value'=>set_value(
'emailid')]);?>
<?php echo form_label('Enter valid email id', 'emailid');
?>
<?php echo form_error('emailid',"<div
style='color:red'>","</div>");?>
                </div>
            </div>
            <div class="form-group">
                <div class="form-label-group">
<?php echo
form_password(['name'=>'password','id'=>'password','class
'=>'form-control','autofocus'=>'autofocus','value'=>set_v
alue('password')]);?>
<?php echo form_label('Password', 'password'); ?>
<?php echo form_error('password',"<div
style='color:red'>","</div>");?>
                </div>
            </div>


<?php echo
form_submit(['name'=>'login','value'=>'Login','class'=>'b
tn btn-primary btn-block']); ?>
```

```php
<?php echo form_close(); ?>
        <div class="text-center">
<a class="d-block small mt-3" href="<?php echo
site_url('user/Signup'); ?>">Register an Account</a>

        </div>
      </div>
    </div>
  </div>


  <!-- Bootstrap core JavaScript-->
  <script src="vendor/jquery/jquery.min.js"></script>
  <script src="<?php echo
base_url('assests/vendor/jquery/jquery.min.js');
?>"></script>
  <script src="<?php echo
base_url('assests/vendor/bootstrap/js/bootstrap.bundle.mi
n.js'); ?>"></script>
  <script src="<?php echo
base_url('assests/vendor/jquery-easing/jquery.easing.min.
js'); ?>"></script>


 </body>

</html>
```

change_password.php

```php
<!DOCTYPE html>
<html lang="en">

<head>
 <title>User Change Password</title>
 <!-- Bootstrap core CSS-->
 <?php echo
link_tag('assests/vendor/bootstrap/css/bootstrap.min.css'
); ?>
 <!-- Custom fonts for this template-->
 <?php echo
link_tag('assests/vendor/fontawesome-free/css/all.min.css
'); ?>
 <!-- Page level plugin CSS-->
 <?php echo
link_tag('assests/vendor/datatables/dataTables.bootstrap4
.css'); ?>
 <!-- Custom styles for this template-->
 <?php echo link_tag('assests/css/sb-admin.css'); ?>

</head>

<body id="page-top">

 <?php include APPPATH .
'views/user/includes/header.php'; ?>
```

```php
<div id="wrapper">


    <!-- Sidebar -->
    <?php include APPPATH .
'views/user/includes/sidebar.php'; ?>


    <div id="content-wrapper">


        <div class="container-fluid">


            <!-- Breadcrumbs-->
            <ol class="breadcrumb">
                <li class="breadcrumb-item">
                    <a href="<?php echo
site_url('user/Dashboard'); ?>">User</a>
                </li>
                <li class="breadcrumb-item active">Change
Password</li>
            </ol>


            <!-- Page Content -->
            <h1>Change Password</h1>
            <hr>
            <!---- Success Message ---->
            <?php if ($this->session->flashdata('success')) {
?>
            <p style="color:green; font-size:18px;"><?php echo
$this->session->flashdata('success'); ?></p>
```

```php
    </div>
    <?php } ?>


    <!---- Error Message ---->
    <?php if ($this->session->flashdata('error')) { ?>
    <p style="color:red; font-size:18px;">
      <?php echo $this->session->flashdata('error'); ?>
    </p>
    <?php } ?>




    <?php echo form_open('user/Change_password'); ?>


    <div class="form-group">
      <div class="form-row">
        <div class="col-md-6">
          <div class="form-label-group">
            <?php echo form_password(['name' =>
'currentpassword', 'id' => 'password', 'class' =>
'form-control', 'autofocus' => 'autofocus', 'value' =>
set_value('currentpassword')]); ?>
            <?php echo form_label('Current Password',
'currentpassword'); ?>
            <?php echo form_error('currentpassword',
"<div style='color:red'>", "</div>"); ?>
          </div>
        </div>
```

```php
              </div>
          </div>


      <div class="form-group">
          <div class="form-row">
              <div class="col-md-6">
                  <div class="form-label-group">
                      <?php echo form_password(['name' =>
'password', 'id' => 'password', 'class' =>
'form-control', 'autofocus' => 'autofocus', 'value' =>
set_value('password')]); ?>
                      <?php echo form_label('New Password',
'password'); ?>
                      <?php echo form_error('password', "<div
style='color:red'>", "</div>"); ?>
                  </div>
              </div>
          </div>
      </div>
      <div class="form-group">
          <div class="form-row">
              <div class="col-md-6">
                  <div class="form-label-group">
                      <?php echo form_password(['name' =>
'confirmpassword', 'id' => 'confirmpassword', 'class' =>
'form-control', 'autofocus' => 'autofocus', 'value' =>
set_value('confirmpassword')]); ?>
```

```php
            <?php echo form_label('Confirm Password',
'confirmpassword'); ?>
            <?php echo form_error('confirmpassword',
"<div style='color:red'>", "</div>"); ?>
          </div>
        </div>
      </div>
    </div>


    <div class="form-group">
      <div class="form-row">
        <div class="col-md-6">
          <?php echo form_submit(['name' => 'chnagepwd',
'value' => 'Change', 'class' => 'btn btn-primary
btn-block']); ?>
        </div>
      </div>
    </div>
    <?php echo form_close(); ?>

  </div>
  <!-- /.container-fluid -->


  <!-- Sticky Footer -->
  <?php include APPPATH .
'views/user/includes/footer.php'; ?>


 </div>
```

```html
        </div>

        <!-- Scroll to Top Button-->
        <a class="scroll-to-top rounded" href="#page-top">
            <i class="fas fa-angle-up"></i>
        </a>



        <!-- Bootstrap core JavaScript-->
        <script src="<?php echo
base_url('assests/vendor/jquery/jquery.min.js');
?>"></script>
        <script src="<?php echo
base_url('assests/vendor/bootstrap/js/bootstrap.bundle.mi
n.js'); ?>"></script>
        <!-- Core plugin JavaScript-->
        <script src="<?php echo
base_url('assests/vendor/jquery-easing/jquery.easing.min.
js'); ?>"></script>
        <!-- Custom scripts for all pages-->
        <script src="<?php echo
base_url('assests/js/sb-admin.min.js '); ?>"></script>


</body>

</html>
```

signup.php

```php
<!DOCTYPE html>
<html lang="en">

<head>
 <title>User - Signup</title>
 <?php echo
link_tag('assests/vendor/bootstrap/css/bootstrap.min.css'
); ?>
 <?php echo
link_tag('assests/vendor/fontawesome-free/css/all.min.css
'); ?>
 <?php echo link_tag('assests/css/sb-admin.css'); ?>

</head>

<body class="bg-dark">

 <div class="container">
   <div class="card card-register mx-auto mt--5">
     <div class="card-header">Register an Account</div>
     <div class="card-body">
       <!---- Success Message ---->
       <?php if ($this->session->flashdata('success')) {
?>
```

```php
        <p style="color:green; font-size:18px;"><?php echo
$this->session->flashdata('success'); ?></p>
    </div>



    <?php } ?>


    <!---- Error Message ---->


    <?php if ($this->session->flashdata('error')) { ?>
    <p style="color:red; font-size:18px;">
      <?php echo $this->session->flashdata('error'); ?>
    </p>


    <?php } ?>




    <?php echo form_open('user/signup'); ?>
    <div class="form-group">
      <div class="form-row">
        <div class="col-md-6">
          <div class="form-label-group">


          <?php echo form_input(['name' =>
'firstname', 'id' => 'firstname', 'class' =>
'form-control', 'autofocus' => 'autofocus', 'value' =>
set_value('firstname')]); ?>
```

```php
                <?php echo form_label('Enter your first
name', 'firstname'); ?>
                <?php echo form_error('firstname', "<div
style='color:red'>", "</div>"); ?>


            </div>
          </div>
          <div class="col-md-6">
            <div class="form-label-group">


              <?php echo form_input(['name' => 'lastname',
'id' => 'lastname', 'class' => 'form-control',
'autofocus' => 'autofocus', 'value' =>
set_value('lastname')]); ?>
                <?php echo form_label('Enter your  last
name', 'lastname'); ?>
                <?php echo form_error('lastname', "<div
style='color:red'>", "</div>"); ?>


            </div>
          </div>
        </div>
      </div>


      <div class="form-group">
        <div class="form-label-group">
```

```php
        <?php echo form_input(['name' => 'emailid', 'id'
=> 'emailid', 'class' => 'form-control', 'autofocus' =>
'autofocus', 'value' => set_value('emailid')]); ?>
        <?php echo form_label('Enter valid email id',
'emailid'); ?>
        <?php echo form_error('emailid', "<div
style='color:red'>", "</div>"); ?>


    </div>
    </div>


    <div class="form-group">
      <div class="form-label-group">


        <?php echo form_input(['name' => 'mobilenumber',
'id' => 'mobilenumber', 'class' => 'form-control',
'autofocus' => 'autofocus', 'value' =>
set_value('mobilenumber')]); ?>
        <?php echo form_label('Enter Mobile Number',
'mobilenumber'); ?>
        <?php echo form_error('mobilenumber', "<div
style='color:red'>", "</div>"); ?>


    </div>
    </div>
    <div class="form-group">
      <div class="form-row">
        <div class="col-md-6">
```

```php
                <div class="form-label-group">
                    <?php echo form_password(['name' =>
'password', 'id' => 'password', 'class' =>
'form-control', 'autofocus' => 'autofocus', 'value' =>
set_value('password')]); ?>
                    <?php echo form_label('Password',
'password'); ?>
                    <?php echo form_error('password', "<div
style='color:red'>", "</div>"); ?>
                </div>
            </div>
            <div class="col-md-6">
                <div class="form-label-group">
                    <?php echo form_password(['name' =>
'confirmpassword', 'id' => 'confirmpassword', 'class' =>
'form-control', 'autofocus' => 'autofocus', 'value' =>
set_value('confirmpassword')]); ?>
                    <?php echo form_label('Confirm Password',
'confirmpassword'); ?>
                    <?php echo form_error('confirmpassword',
"<div style='color:red'>", "</div>"); ?>
                </div>
            </div>
        </div>
    </div>
    <?php echo form_submit(['name' => 'Register',
'value' => 'Register', 'class' => 'btn btn-primary
btn-block']); ?>
```

```php
        </form>
        <div class="text-center">
          <a class="d-block small mt-3" href="<?php echo
site_url('/Home'); ?>">Login Page</a>


        </div>
      </div>
   </div>
   </div>


  <!-- Bootstrap core JavaScript-->
  <script src="<?php echo
base_url('assests/vendor/jquery/jquery.min.js');
?>"></script>
  <script src="<?php echo
base_url('assests/vendor/bootstrap/js/bootstrap.bundle.mi
n.js'); ?>"></script>
  <script src="<?php echo
base_url('assests/vendor/jquery-easing/jquery.easing.min.
js'); ?>"></script>


</body>


</html>
```

user_profile.php

```php
<!DOCTYPE html>
<html lang="en">

<head>
  <title>My Profile</title>
  <!-- Bootstrap core CSS-->
  <?php echo
link_tag('assests/vendor/bootstrap/css/bootstrap.min.css'
); ?>
  <!-- Custom fonts for this template-->
  <?php echo
link_tag('assests/vendor/fontawesome-free/css/all.min.css
'); ?>
  <!-- Page level plugin CSS-->
  <?php echo
link_tag('assests/vendor/datatables/dataTables.bootstrap4
.css'); ?>
  <!-- Custom styles for this template-->
  <?php echo link_tag('assests/css/sb-admin.css'); ?>

</head>

<body id="page-top">

  <?php include APPPATH .
'views/user/includes/header.php'; ?>

  <div id="wrapper">
```

```php
    <!-- Sidebar -->
    <?php include APPPATH .
'views/user/includes/sidebar.php'; ?>


    <div id="content-wrapper">


      <div class="container-fluid">


        <!-- Breadcrumbs-->
        <ol class="breadcrumb">
          <li class="breadcrumb-item">
            <a href="<?php echo
base_url('user/User_profile'); ?>">User</a>
          </li>
          <li class="breadcrumb-item active">My
Profile</li>
        </ol>


        <!-- Page Content -->
        <h1>My Profile</h1>
        <hr>
        <!---- Success Message ---->
        <?php if ($this->session->flashdata('success')) {
?>
        <p style="color:green; font-size:18px;"><?php echo
$this->session->flashdata('success'); ?></p>
      </div>
```

```php
        <?php } ?>


        <!---- Error Message ---->
        <?php if ($this->session->flashdata('error')) { ?>
        <p style="color:red; font-size:18px;">
          <?php echo $this->session->flashdata('error'); ?>
        </p>
        <?php } ?>




        <?php echo
form_open('user/User_profile/updateprofile'); ?>


        <p> <strong>Reg Date :</strong>
          <?php echo $profile->regDate; ?>



        <div class="form-group">
          <div class="form-row">
            <div class="col-md-6">
              <div class="form-label-group">


                <?php echo form_input(['name' =>
'firstname', 'id' => 'firstname', 'class' =>
'form-control', 'autofocus' => 'autofocus', 'value' =>
set_value('firstname', $profile->firstName)]); ?>
```

```php
            <?php echo form_label('Enter your first
name', 'firstname'); ?>
            <?php echo form_error('firstname', "<div
style='color:red'>", "</div>"); ?>

        </div>
      </div>
    </div>
  </div>


  <div class="form-group">
    <div class="form-row">
      <div class="col-md-6">
        <div class="form-label-group">

          <?php echo form_input(['name' => 'lastname',
'id' => 'lastname', 'class' => 'form-control',
'autofocus' => 'autofocus', 'value' =>
set_value('lastname', $profile->lastName)]); ?>
          <?php echo form_label('Enter your  last
name', 'lastname'); ?>
          <?php echo form_error('lastname', "<div
style='color:red'>", "</div>"); ?>

        </div>
      </div>
    </div>
```

```php
            </div>


        <div class="form-group">
            <div class="form-row">
                <div class="col-md-6">
                    <div class="form-label-group">


                        <?php echo form_input(['name' => 'emailid',
'id' => 'emailid', 'class' => 'form-control', 'autofocus'
=> 'autofocus', 'readonly' => 'true', 'value' =>
set_value('emailid', $profile->emailId)]); ?>
                        <?php echo form_label('Enter valid email
id', 'emailid'); ?>
                        <?php echo form_error('emailid', "<div
style='color:red'>", "</div>"); ?>


                    </div>
                </div>
            </div>
        </div>
        <div class="form-group">
            <div class="form-row">
                <div class="col-md-6">
                    <div class="form-label-group">


                        <?php echo form_input(['name' =>
'mobilenumber', 'id' => 'mobilenumber', 'class' =>
```

```php
'form-control', 'autofocus' => 'autofocus', 'value' =>
set_value('mobilenumber', $profile->mobileNumber)]); ?>
            <?php echo form_label('Enter Mobile Number',
'mobilenumber'); ?>
            <?php echo form_error('mobilenumber', "<div
style='color:red'>", "</div>"); ?>


        </div>
      </div>
    </div>
    </div>


    <div class="form-row">
      <div class="col-md-6">
        <?php echo form_submit(['name' => 'Update',
'value' => 'Update', 'class' => 'btn btn-primary
btn-block']); ?>
      </div>
    </div>




    <?php echo form_close(); ?>


  </div>
  <!-- Sticky Footer -->
```

```php
                <?php include APPPATH .
'views/user/includes/footer.php'; ?>


  </div>


  </div>



  <!-- Scroll to Top Button-->
  <a class="scroll-to-top rounded" href="#page-top">
    <i class="fas fa-angle-up"></i>
  </a>
  <!-- Bootstrap core JavaScript-->
  <script src="<?php echo
base_url('assests/vendor/jquery/jquery.min.js');
?>"></script>
  <script src="<?php echo
base_url('assests/vendor/bootstrap/js/bootstrap.bundle.mi
n.js'); ?>"></script>
  <!-- Core plugin JavaScript-->
  <script src="<?php echo
base_url('assests/vendor/jquery-easing/jquery.easing.min.
js'); ?>"></script>
  <!-- Custom scripts for all pages-->
  <script src="<?php echo
base_url('assests/js/sb-admin.min.js '); ?>"></script>

</body>
</html>
```

1.2.4. SQL Queries

To create the Table questions

```
CREATE TABLE questions (
id INT(10) AUTO_INCREMENT PRIMARY KEY,
questionTitle VARCHAR(1000),
user_id INT(10),
FOREIGN KEY (user_id) REFERENCES tblusers(id)
);
```

To create the Table answers

```
CREATE TABLE answers (
answer_id INT(10) AUTO_INCREMENT PRIMARY KEY,
answer VARCHAR(1000),
user_id INT(10),
id INT(10),
FOREIGN KEY (user_id) REFERENCES tblusers(id),
FOREIGN KEY (id) REFERENCES questions(id)
 );
```

To create the Table tblUsers

```
CREATE TABLE tblUsers (
id INT(10) AUTO_INCREMENT PRIMARY KEY,
firstName VARCHAR(100),
lastName VARCHAR(100),
emailId VARCHAR(100),
mobileNumber INT(10),
userPassword VARCHAR(100),
regDate LOCALTIME,
isActive INT(10),
lastUpdationDate LOCALTIME
 );
```

2. Evaluation of Design from CW1

Changes needed to make the design

- Additional controllers were needed to change password, login, signup, and user profile implementations. In order to maintain a user management system and to update a user it was mandatory to have these controllers.

- Login, Logout and signup methods were added which were missing in the coursework 1 design. These methods were needed to implement the logic to track the session of a user and only if it is a valid email and password who is registered in the system would be able to access the application.

- The tracking of top like for an answer count and making the answer on top as highlighted was removed due to complexity. In order to implement this a considerable amount of research study is needed.

- ❖ The design was very useful in getting a foresight on how to implement the backend and how to make it work with the frontend. However, if I were to start again, I would include login and signup methods in the initial design and consider the complexity of tracking the like answer count before including it in the design. Additionally, I would also include the controllers for changing password, login, signup, and user profile in the initial design itself to avoid the need for additional implementation later on.

Q1)

In the article "Why You Shouldn't Use a Web Framework," the author gives three main reasons for not using web frameworks:

The author contends that web frameworks frequently have steep learning curves and can be challenging for inexperienced developers to grasp and utilize successfully. For individuals who are just starting out in web development, this might cause dissatisfaction and slow development.

Frameworks can be rigid: According to the author, frameworks frequently mandate how you should structure and develop your application and might make it challenging to stray from their recommended ways. This may not always be the ideal fit for your unique needs and can result in a lack of customization and flexibility in your application.

Frameworks can be overkill, according to the author, who claims that they are frequently made to be "one size fits all" solutions and may have many features and functionalities that are unnecessary. Your program may become overly complex and bloated as a result, which could make it more challenging to maintain and debug.

The author provides numerous examples of how web frameworks might be challenging for new developers to understand and utilize effectively in order to bolster these arguments. He points out, for instance, that many frameworks have intricate documentation and demand a lot of setup and configuration before you can start developing your application. For individuals who are just starting out in web development, this might be very intimidating.

The author also emphasizes how rigid some web frameworks may be and how you might not always be able to modify an application to suit your particular requirements. He points out, for instance, that many frameworks have rigid guidelines about the organization of your code and may not let you stray from these guidelines. As a result, customizing your application could be challenging, and your development process might become less flexible.

The author concludes by saying that web frameworks sometimes go overboard and provide extra features and capabilities that aren't necessarily necessary. Your program may become overly complex and bloated as a result, which could make it more challenging to maintain and debug.He cites examples of how web frameworks often include many built-in features, such as authentication and authorization, that may not be necessary for your specific application.

Overall, the author's main argument is that web frameworks can be difficult to learn and use, inflexible, and overkill, and that these factors may not always make them the best choice for building web applications. He suggests that, in many cases, it may be more effective to build your application using simpler tools and approaches, rather than relying on a framework.

Q2)

Increased complexity, decreased flexibility, and a loss of control over the underlying technology are just a few of the arguments against utilizing web frameworks that author David Wickes outlines in his article "Why You Shouldn't Use a Web Framework." However, the article's primary justification is that frameworks might impair performance, particularly when handling heavily trafficked websites. According to the author, frameworks frequently provide a lot of built-in functionality that is not required for a specific project, which causes extra overhead and sluggish performance. Many frameworks also consume a lot of memory and resources, which can make a site even slower. Additionally, the author claims that frameworks may restrict one's capacity to improve and fine-tune performance. making it difficult to achieve the best possible performance for a given project.

I agree that frameworks may cause performance to suffer, especially for sites with significant traffic. Frameworks' built-in features and abstractions may cause unneeded overhead, and the site's utilization of memory and resources may become sluggish. It's crucial to remember that this isn't always the case and that performance will depend on the particular framework and use case. The framework can be a great tool for developers to create a web application quickly and effectively, and the author might overlook the fact that frameworks are designed to make development faster and more efficient. The development time saved can be used to optimize the performance of the application.

In conclusion, the author makes a convincing case that frameworks might cause performance to suffer, especially for sites with large traffic. However, it's crucial to take the individual framework and use case into account. Frameworks can be a terrific tool for developers to swiftly and effectively design a web application. The trade-offs between application performance and development time must be carefully considered. It's also crucial to remember that there are a lot of high-performance web frameworks available that are made to manage high-traffic websites. These frameworks might be a great option for projects that need to support a huge user base.