

# Assignment Site Application Using CodeIgniter and Bootstrap

## Description of My Implementation

I mainly create pages are Assignment Page as Home Page, Login Page and Register page using CodeIgniter web framework and bootstrap.

### Home Page or Assignment Page

This page shows all the assignment given to publish on Lecturer. And also I input read more button to view all details of the given assignment and the creator of the assignment can only change or update and delete. Others can't change or delete the assignment because the assignment creator has to privileges update their assignment. The creator of the assignment in the assignment view page can update or delete the assignment.

### Login Page

The person who wants to write the assignment the person has to log the system. After logging the login, user can create assignment and update or delete the assignment. The only request is the creator has to log in the system. When the person login into application alert message shown in the header. The login form is validation by given input. And login error message display on the header in the application.

### Register Page

The person who doesn't have the account in the system the person can register through the register page. After registration, the registered person can log to the application given password and user name in the register page. The alert was shown above the message on the site. The register form is validation by given input by the new user. In the form password, we pass the password changed by using hashing functions.

Default user can only access static pages are Assignment page or Home Page, Login page and Register Page. And Login user can access static pages are Assignment page, create assignment page and logout page.

This application folder I create assets folder for CSS works and store the images. And also in view, I create the templates folder for store header and a footer view.

## Lessons learned from using CodeIgniter and bootstrap.

CodeIgniter is an MVC architecture pattern framework. Model Control View then the Model part is handling the database connection part and view is handle the static page view path(static page view path mean HTML workout), and Control is handling the view and model path in the application. And bootstrap is more accessible than the regular CSS works because we have import bootstrap library to handle style part in the form. In bootstrap give div class to handle style in the application.

All the file format is PHP format. And also I learn How to calling a controller in the given same name model in framework, and how to load the view on the controller. This framework Model and Controller extend the library. In the Model extend the CI\_Model and controller extend the CI\_Controller library.

In the CodeIgniter form validation In the Controller, validate the input data by using the library of form\_validation in the CodeIgniter framework. And also we can error function like error\_404() in the CodeIgniter framework.

Finally, I learn how to manage session in the CodeIgniter framework. This handle session I have to load the session library. I load the library through config folder autoload.php by using autoload library. I autoload two libraries, such as form\_validation and session. And also I autoload helpers such as URL, form and text.

## **Problem Encountered Using CodeIgniter And Solving**

As a student, I have to face obstacles to build an application through the given PHP framework. Following show obstacles what I met while making the app. And also write the solving method with barriers.

Firstly I want to make site path other word routes As begin the difference but after the config.php file select route path default path reselect and reselect the base URL to <http://localhost/assignmentblog> in PHP framework.

In some other case upload images not work then I try to find what is a problem with it. Then finally I found upload size, the height it should be more significant than given details.

And also when the uploaded image or file something and form didn't work correctly. Then I found at google for the library must be load in the given function. But I want to load the library not chosen function I want to load anytime. After watching YouTube videos, I found the way can load the library at the necessary time. In the config folder has autoloaded ['library'] initialize the array. Then I only did add the library to the array.

In the database integration, sometimes I had to face many obstacles to connect with the relevant table in the given database. Then I followed to resolving method in Stack overflow solving the problems.

In the session management, I had an error with data value pass the Models and Controllers. After watching YouTube videos, I could find the correct way to pass the value in the given form

## Implement functions Screen shots

```
public function index($offset = 0){

    $data['title'] = 'Assignmets';

    $data['assignments'] = $this->assignments_model->get_assignments();
    // print_r($data['posts']);
    $this->load->view('templates/header');
    $this->load->view('assignments/index', $data);
    $this->load->view('templates/footer');
}
```

index function In Controller

```
public function create(){
    //Check login
    if(!$this->session->userdata('logged_in')){
        redirect('users/login');
    }

    $data['title'] = 'Create Assignmet';

    $data['category'] = $this->assignments_model->get_category();

    $this->form_validation->set_rules('title', 'Title', 'required');
    $this->form_validation->set_rules('body', 'Body', 'required');

    if($this->form_validation->run() === FALSE){
        $this->load->view('templates/header');
        $this->load->view('assignments/create', $data);
        $this->load->view('templates/footer');
    }
    else{
        //Upload Image
        $config['upload_path'] = './assets/images/posts';
        $config['allowed_types'] = 'gif|jpg|png';
        $config['max_size'] = '2048';
        $config['max_width'] = '500';
        $config['max_height'] = '500';

        $this->load->library('upload', $config);

        if(!$this->upload->do_upload()){
            $errors = array('error' => $this->upload->display_errors());
            $post_image = 'noimage.jpg';
        }
        else{
            $data = array('upload_data' => $this->upload->data());
            $post_image = $FILES['userfile']['name'];
        }

        $this->assignments_model->create_assignment($post_image);

        //Set Message
        $this->session->set_flashdata('post_created', 'You are Assignmet has been created');
        redirect('assignments');
    }
}
```

create function In Controller

```

public function view($slug = NULL){
    $data['post'] = $this->assignments_model->get_assignments($slug);
    $post_id=$data['post']['id'];

    if(empty($data['post'])){
        echo "Not working";
        // show_404();
    }

    $data['title']=$data['post']['title'];

    $this->load->view('templates/header');
    $this->load->view('assignments/view', $data);
    $this->load->view('templates/footer');
}

```

view function In Controller

```

public function delete($id){
    //Check login
    if(!$this->session->userdata('logged_in')){
        redirect('users/login');
    }

    $this->assignments_model->delete_assignment($id);
    //Set Message
    $this->session->set_flashdata('post_deleted','You Assignmet has been deleted');
    redirect('assignments');
}

```

delete function In Controller

```

public function edit($slug){
    //Check login
    if(!$this->session->userdata('logged_in')){
        redirect('users/login');
    }

    $data['post'] = $this->assignments_model->get_assignments($slug);

    //Check user
    if($this->session->userdata('user_id')!=$this->assignments_model->get_assignments($slug)['user_id']){
        redirect('assignments');
    }
    $data['category']=$this->assignments_model->get_category();
    if(empty($data['post'])){
        show_404();
    }

    $data['title']='Edit Assignmet';

    $this->load->view('templates/header');
    $this->load->view('assignments/edit', $data);
    $this->load->view('templates/footer');
}

public function update(){
    //Check login
    if(!$this->session->userdata('logged_in')){
        redirect('users/login');
    }
    $this->assignments_model->update_assignment();

    //Set Message
    $this->session->set_flashdata('post_updated','You Assignmet has been updated');
    redirect('assignments');
}

```

edit view and update functions In Controller