

9. Image playing a vital rule on web development. There fore in this session we are focusing on uploading image and manipulation of it. Codegnighter provides useful functions for it. Regardless of the type of processing you would like to perform (resizing, cropping, rotation, or watermarking), the general process is identical. You will set some preferences corresponding to the action you intend to perform, then call one of four available processing functions. For example, to create an image thumbnail you'll need to take actions. CodeIgniter's Image Manipulation class lets you perform the following actions:

- Image Resizing
- Thumbnail Creation
- Image Cropping
- Image Rotating
- Image Watermarking

All three major image libraries are supported: GD/GD2, NetPBM, and ImageMagick

In this tutorial we only uploading image to a certain directory in your project path and than send the name of this image to the database. To complete this tutorial we need proceeded with below steps.

9.1 Creation of a certain directory to our project path

9.2 Re structuring our register_user function in the User controller

9.3 Change the Register function in the user Controller

9.4 Change the register view

9.5 Manor change in main_view and something views

9.1 to upload image we need a separate folder or directory in our project path, so go

C:/wamp/www/CI/ and create new folder and name it staff_image

9.2 to hold the image in our project we restructuring our register_user and register functions in the User controller as below.

```
class User extends CI_Controller{
    function __construct(){
        parent::__construct();
        $this->load->model('User_model');
        if (!$this->session->userdata('language'))
            $this->lang->load('main');
        else
            $this->lang->load('main', $this->session->
userdata('language'));
    }
    function index(){
        $this->load->view('includes/langbar');
        $this->session->set_userdata('last_visited', current_url());

        echo lang('par_about');
        $session_data =$this->session->userdata();
        print_r($session_data);
    }

    /*
    * thisfunction used to load a view called rigister located in Form
```

directory of views

```
*/

function register($err='') {
    $data['main_title'] = mb_convert_case(lang('title_main'), MB_CASE_TITLE);
    $data['contents'] = 'Form/register';
// we add only this line of code to send errors to our page
    $data['error'] = $err;
    $this->load->view('main_view', $data);
}
/*
 * this function is to create new user and the form data is sent to this
function from register.php file
 * and send to user table of blog_data database
 */
```

```
public function register_user()
{
    $this->load->helper('date');

    if($this->input->post('submit')) {
        $f_dir = config_item('base_path'). 'staff_images';
// define upload path
        $config['upload_path'] = './staff_images/';
// we specifying the type of image that could be uploaded
        $config['allowed_types'] = 'gif|jpg|png|jpeg';
// Rename the image, time() function is to set the name of the image as the
//current time stamp
        $config['file_name'] = time();
// use the gd2 image library
        $config['image_library'] = 'gd2';
// we do not need thumb nil
        $config['create_thumb'] = false;
// set the allowable width and height
        $config['width'] = 20;
        $config['height'] = 30;
// set the configuration to image library
        $this->load->library('image_lib', $config);
// resize the image
        $this->image_lib->resize();
// set the configuration to upload library
        $this->load->library('upload', $config);
// check if the upload is perform

        if ( ! $this->upload->do_upload() )
        {
// if there will be an error than send to register function
            $error = $this->upload->display_errors();
            $this->register($error);
        }
    }
}
```

```

// if there will be no error that do the following
else
{
    $data = array(
        'name'=>$this->input->post('name'),
        'lname'=>$this->input->post('lname'),
        'user_name'=>$this->input->post('uname'),
        'password'=>$this->input->post('password'),
// set the attribute image_path to set as file name
        'image_path'=> $this->upload->data('file_name'),
        'email'=>$this->input->post('email')
    );
    $this->User_model->add_user($data);
    redirect('home/get_posts');
}
}
}

```

```

/*
 * this function load a file called login from the Form Directory.
 */
function user_login(){
    $data['main_title'] = mb_convert_case(lang('title_main'), MB_CASE_TITLE);
    $data['contents'] = 'Form/login';
    $this->load->view('main_view',$data);
}
//-----
/*
 * this function take login data and send to database and than retrieve the
desired field and compare
 * with these data
 */

public function login() {
    $username = $this -> input -> post('username');
    $password = $this -> input -> post('password');

    if ($this -> input -> post('remember') == 'yes') {
        // set a cookie with the username. It will expire in 269200
seconds(3 days).
        $cookie = array('name' => 'username', 'value' => $username, 'expire' => 259200);
        $this -> input -> set_cookie($cookie);
    } else {
        // delete the cookie
        $cookie = array('name' => 'username', 'value' => NULL, 'expire'
=> NULL);
        $this -> input -> set_cookie($cookie);
    }
    $uid = ($this ->User_model->login($username, $password));
    if (!$uid){
        redirect(site_url('home/get_posts'));
    }

    // if login successful than send the all data related to the user to
session array

```

```

        $this->session->set_userdata('uid', $uid);
$this->session->set_userdata('user', $this->User_model->get_userdata($uid));
        $this->session->set_userdata('login', true);
        //print_r($this->session->all_userdata());
        redirect($this->session->userdata('last_visited'));
    }
    //-----
    // this function is called by log out button and delete the session array
    public function logout() {
        $this->session->unset_userdata('login');
        $this->session->unset_userdata('user');
        $this->session->unset_userdata('uid');

        redirect($this->session->userdata('last_visited'));
    }
    //-----

    public function lang($language) {
        $this->session->set_userdata('language', $language);
        redirect($this->session->userdata('last_visited'));
    }
    //-----

    public function view($page) {
$this->session->set_userdata('last_visited', current_url());

$data['title'] = mb_convert_case(lang('title_' . $page), MB_CASE_TITLE);
$data['main_title'] = mb_convert_case(lang('title_main'), MB_CASE_TITLE);
        $data['contents'] = 'includes/' . $page;
        $this->load->view('main_view', $data);
    }
}

```

9.4 Now change the register view as highlighted in below

```

<h1> Add User </h1>
<!--the only change is to open multipart form -->
<?php echo form_open_multipart('User/register_user');?>
<table>
    <tr>
        <td>Name:</td>
        <td><input type="text" name="name"/></td>

    </tr>
    <tr>
        <td>Last Name:</td>
        <td><input type="text" name="lname"/></td>

    </tr>
    <tr>
        <td>User Name: </td>
        <td><input type="text" name="uname"/></td>

```

```

        </tr>
        <tr>
            <td>Password: </td>
            <td><input type="password" name="password"/></td>

        </tr>
        <tr>
            <td>Email </td>
            <td><input type="email" name="email"/></td>

        </tr>
        <tr>
            <td>Image </td>
            <td><input type="file" name="userfile" size="20" /><div> <?php if
            (isset($error) ) { echo $error;}?></div></td>

        </tr>

    </table>

    <input type="submit" name="submit" value="Save Changes" />

```

9.3 now we change our main view to display the image in front of user name

```

<!DOCTYPE html>

```

```

    <?php $this->load->view('includes/header')?>
    <body role="document">
<!-- END header.php -->
    <div class="container theme-showcase" role="main">

        <div class="row">
            <div class="col-md-12 text-center" style=" background:gray"> <h1> <?php echo
            $main_title?></h1></div>
            <div class="col-md-12">
                <div class="col-md-11">
                    <ul class="nav nav-tabs" role="tablist">
                        <li><a href="<?php echo base_url('index.php/Home/get_posts')?
                        >">Home</a></li>
                        <li><a href="<?php echo base_url('index.php/User/view/about')?
                        >">About</a></li>
                        <li><a href="#">Messages</a></li>
                    </ul>
                </div>

                <div class="col-md-1">
                    <ul>
                        <?php
                        echo
                        ' <li>'.anchor('User/lang/english',"English")."</li>";
                        echo

```

```

'<li>'.anchor('User/lang/dari',"Dari")."</li>";
'<li>'.anchor('User/lang/pashto',"Pashto")."</li>";
    echo
    ?>
</ul>

</div>

<div class="col-md-2 ">
    <?php
    echo anchor('Home/add_post/',"<button> New Post</button> ")." <br/>");
    $user= $this->session->userdata('user');
    echo anchor('User/register',"<button> Register </button>")." ".
<br/>";
    if ($this->session->userdata('login')) {

        echo"";
        echo $user->user_name." " ;
        echo "<br/>".anchor('User/logout',"<button> logout </button>")."
";

    }else{
        echo anchor('User/user_login',"<button> login </button>")." " ";
    }
    ?></div>
<div class="col-md-10"><?php $this->load->view($contents)?></div>

    <div class="col-md-12 text-center" style=" background:gray" ><?php
$this->load->view('includes/footer')?></div>

</div>

```

9.4 now we display the image of a person near to his user name when he creating the posts.

```

<!DOCTYPE html>
<html>

    <head>
        <title> All Posts</title>

    </head>
    <body>
        <?php

        $this->load->model('Posts_model');
        foreach ($posts as $row) {
            //echo anchor('Home/details/'. $row->id,"<h2>".
            $row->title."</h2>");

```

```

// the image that may display near to the user name
echo"<br/>". "<img height='20' width='20' src='".base_url('staff_images/'.
$this->Posts_model->get_user($row->id)->image_path)." alt='Image Not found'
class='logo-default' />";
        echo"<h3>".$row->title." | Posted By: ".
$this->Posts_model->get_user($row->id)->user_name."</h3>";

        echo "<p>".substr(strip_tags($row->body), 0,50)."..."</p>";
        echo anchor('Home/details/'.$row->id,"<button> show more</button>
"." " ");
        echo anchor('Home/delete/'.$row->id,"<button> Delete
Post</button> ");
        echo anchor('Home/update_post/'.$row->id,"<button> Update
Post</button>");
    }

    ?>
    <br />
    <ul class="pagination pagination-lg">
    <?php echo $this->pagination->create_links();?>
    </ul>

    </body>

</html>

```