Validating and processing uploaded files in CodeIgniter

Topics : Codeigniter
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In CodeIgniter, you can validate and process uploaded files using CodeIgniter's form validation library and file upload library.

1. Set Up File Upload Preferences:

Configure file upload preferences in `application/config/config.php` as mentioned in the previous response.

2. Create a Form:

Create a form in your view file (`upload_form.php`) to allow users to select and upload files:

```php
 <!-- upload_form.php -->
<?php echo form_open_multipart('upload/do_upload'); ?>
    <input type="file" name="userfile" size="20" />
    <br /><br />
    <input type="submit" value="Upload" />
<?php echo form_close(); ?>
```

3. Create Controller Method to Handle Upload:

Create a controller (`Upload.php`) and define a method to handle file uploads. In this method, perform file validation using CodeIgniter's form validation library and process the uploaded file using CodeIgniter's file upload library:

```php
// Upload.php controller
class Upload extends CI_Controller {
    public function __construct() {
        parent::__construct();
        $this->load->helper(array('form', 'url'));
        $this->load->library('form_validation');
    }

    public function index() {
```

```php
            $this->load->view('upload_form');
    }

    public function do_upload() {
        $config['upload_path'] = './uploads/';
        $config['allowed_types'] = 'gif|jpg|png';
        $config['max_size'] = 100;
        $config['max_width'] = 1024;
        $config['max_height'] = 768;

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

        if (!$this->upload->do_upload('userfile')) {
            $error = array('error' => $this->upload->display_errors());
            $this->load->view('upload_form', $error);
        } else {
            $data = array('upload_data' => $this->upload->data());
            $this->load->view('upload_success', $data);
        }
    }
}
```

4. Add File Validation Rules:

Add file validation rules in the do_upload method using CodeIgniter's form validation library. You can add rules to check the file type, size, dimensions, etc.

```php
$this->form_validation->set_rules('userfile', 'File', 'required');

if ($this->form_validation->run() == false) {
    $this->load->view('upload_form');
} else {
    // Process the uploaded file
}
```

5. Handle Upload Success:

Create a view (upload_success.php) to display success message or handle the uploaded file:

```php
 <!-- upload_success.php -->
<h3>File uploaded successfully!</h3>
<ul>
    <?php foreach ($upload_data as $item => $value): ?>
        <li><?php echo $item; ?>: <?php echo $value; ?></li>
    <?php endforeach; ?>
</ul>
<p><?php echo anchor('upload', 'Upload Another File!'); ?></p>
```

6. Test Your File Upload:

Access the upload form through the browser and test file uploads.