Visoka škola strukovnih studija za informacione i komunikacione tehnologije

DOKUMENTACIJA

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Sadržaj

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1.1 Korišćeni programski jezici I ostale tehnologije

- HTML5
- CSS3
- Bootstrap 4
- Vanilla js
- jQuery
- PHP 7
- Tinymce plugin, textarea editor
- Jquery plugin za pregled koda ubačenog preko editora, sa bojama I stilizacijom
- Jquery plugin za sklanjanje alert-a iz bootstrap-a

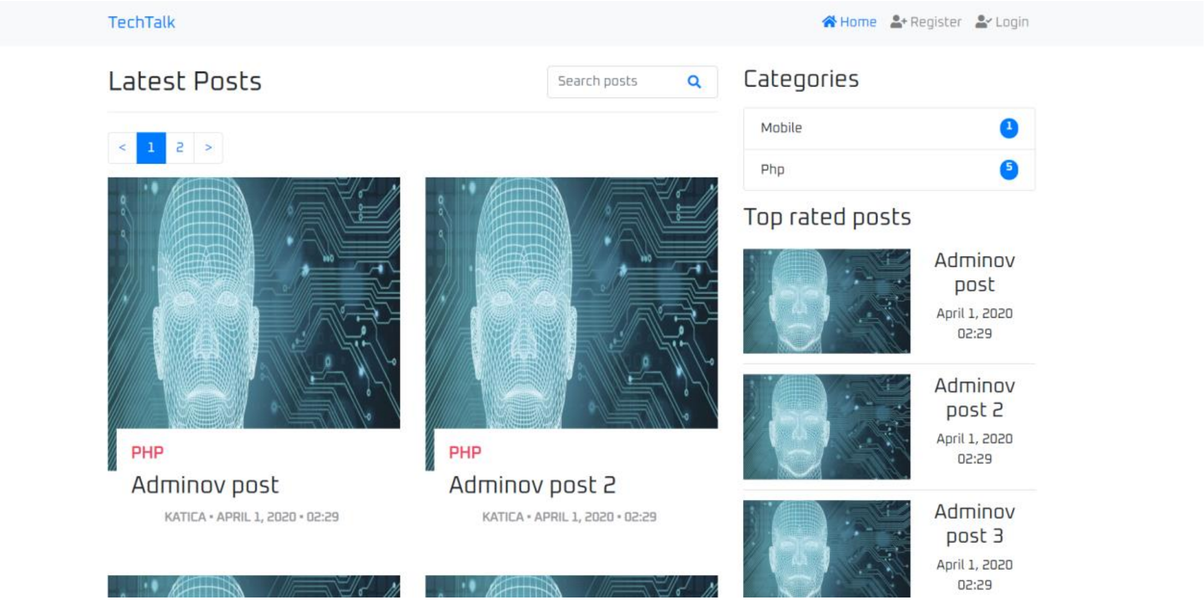
1.2 Opis funkcionalnosti

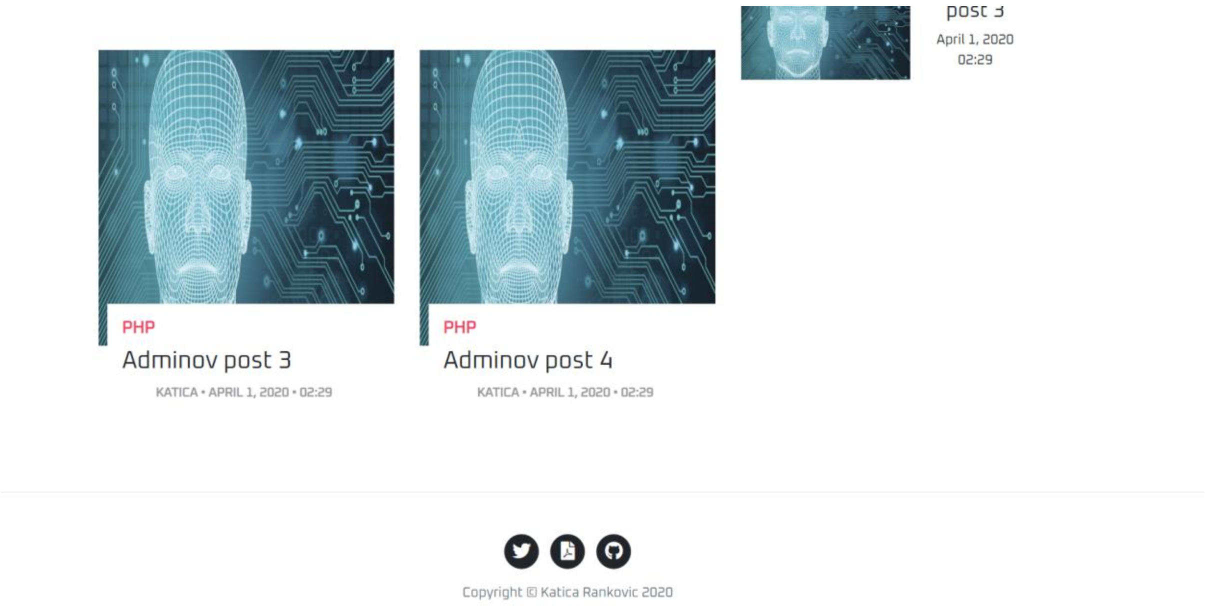
Blog sajt, mogućnost registracije, logovanja, admin panel, pregled postova isključivo logovani korisnici, pretraga, paginacija, filtriranje po kategorijama, mvc arhitektura, oop php.

Admin panel ima opciju modifikacije user-a, post-ova kao I kategorija.

1.3 Izgled sajta I opis funkcionalnosti po stranicama

Početna strana : paginacija (ajax + php iz baze), search (ajax), filtriranje po kategorijama(ajax), sve ostalo je serverski renderovano





post 3
April 1, 2020
02:29

PHP
Adminov post 3
KATICA • APRIL 1, 2020 • 02:29

PHP
Adminov post 4
KATICA • APRIL 1, 2020 • 02:29

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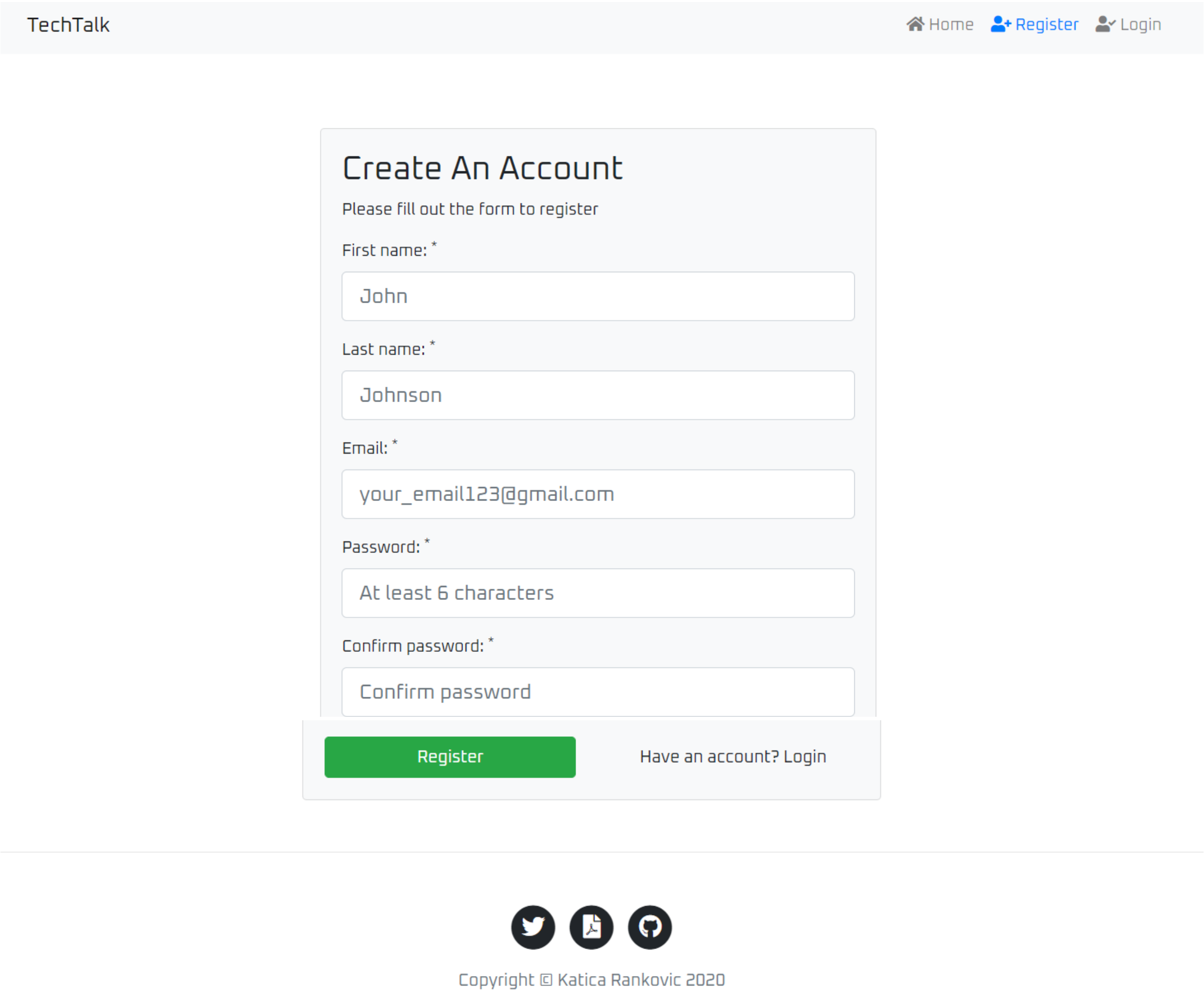
Registracija: front-end I back-end validacija



Create An Account

Please fill out the form to register

First name: *

John

Last name: *

Johnson

Email: *

your_email123@gmail.com

Password: *

At least 6 characters

Confirm password: *

Confirm password

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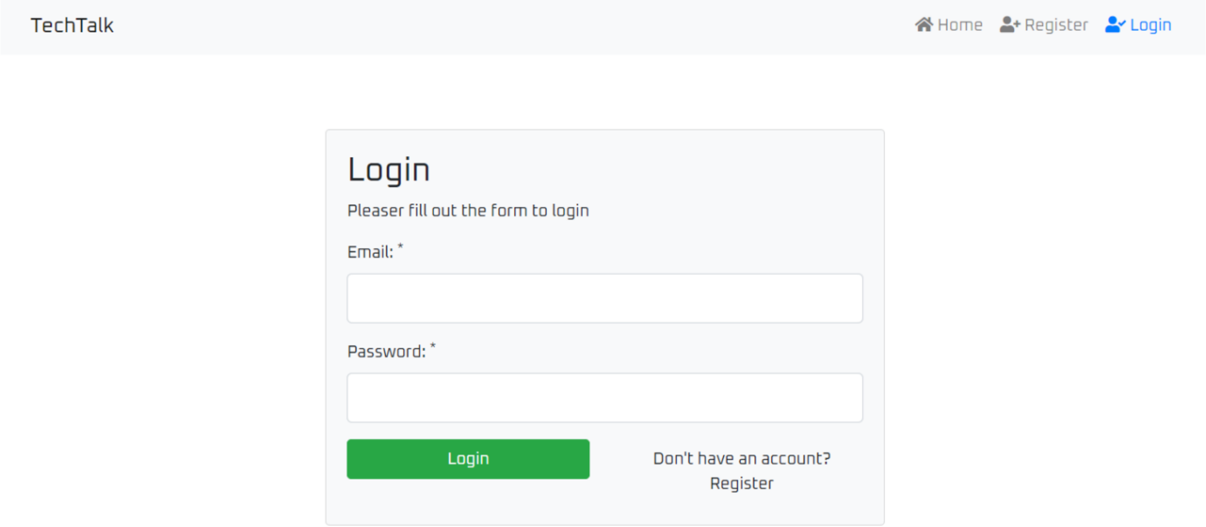
Login strana : serverska validacija



Login

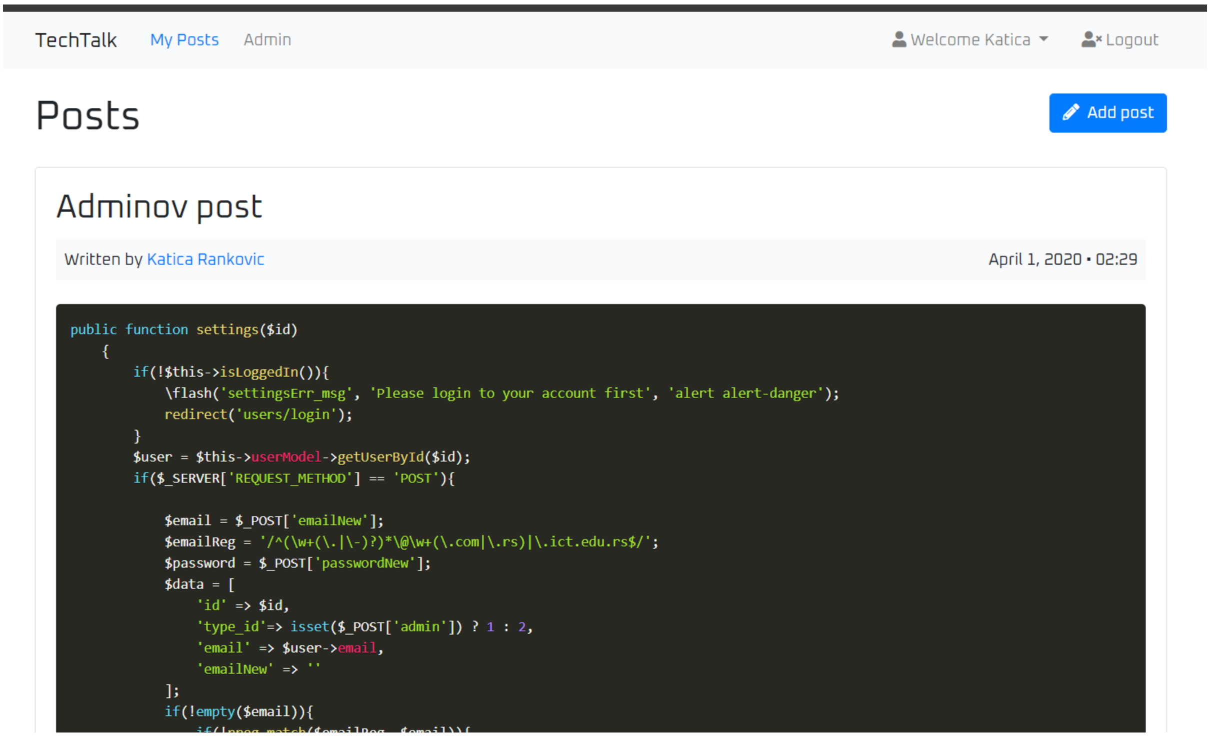
Pleaser fill out the form to login

Email: *

Password: *

Don't have an account? Register

MyPosts strana koja se prva load-uje posle registracije I prikazuje samo korisnikove post-ove

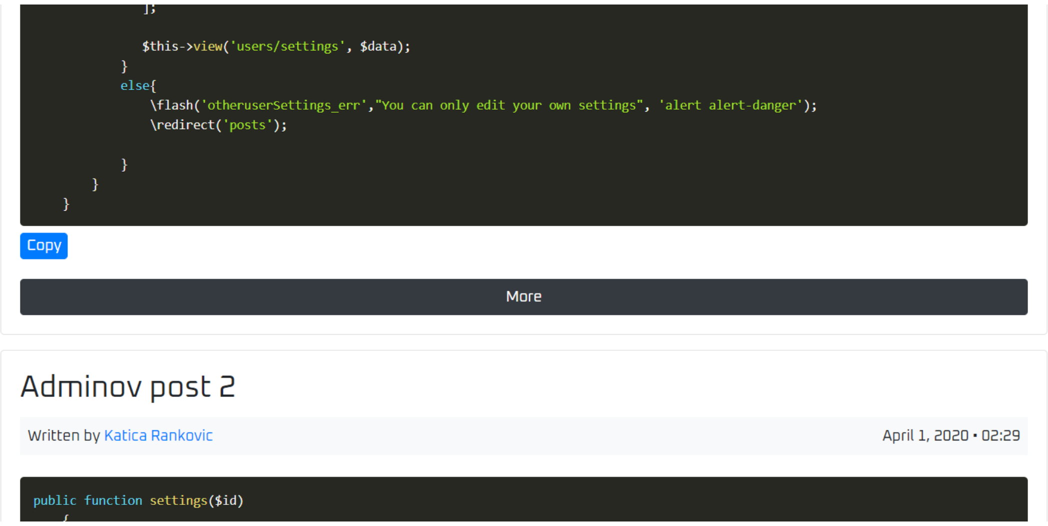


Posts

Adminov post

Written by Katica Rankovic April 1, 2020 • 02:29

```
public function settings($id)
    {
        if(!$this->isLoggedIn()){
            \flash('settingsErr_msg', 'Please login to your account first', 'alert alert-danger');
            redirect('users/login');
        }
        $user = $this->userModel->getUserById($id);
        if($_SERVER['REQUEST_METHOD'] == 'POST'){

            $email = $_POST['emailNew'];
            $emailReg = '/^(\w+(\.|\-)?)*\@\w+(\.com|\.rs)|\.ict.edu.rs$/';
            $password = $_POST['passwordNew'];
            $data = [
                'id' => $id,
                'type_id'=> isset($_POST['admin']) ? 1 : 2,
                'email' => $user->email,
                'emailNew' => ''
            ];
            if(!empty($email)){
                if(!preg_match($emailReg, $email)){
```



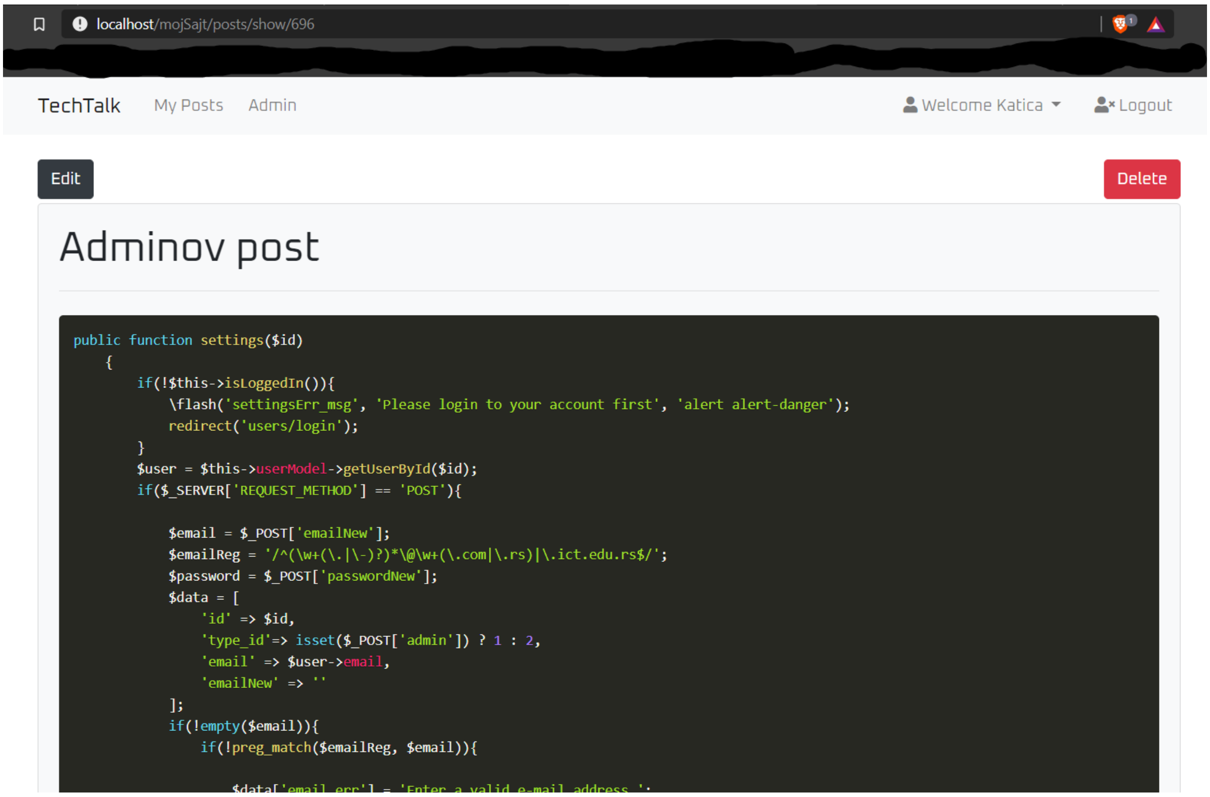
```
            ];

            $this->view('users/settings', $data);
        }
        else{
            \flash('otheruserSettings_err',"You can only edit your own settings", 'alert alert-danger');
            \redirect('posts');

        }
    }
}
```

Adminov post 2

Written by Katica Rankovic April 1, 2020 • 02:29

```
public function settings($id)
    {
```

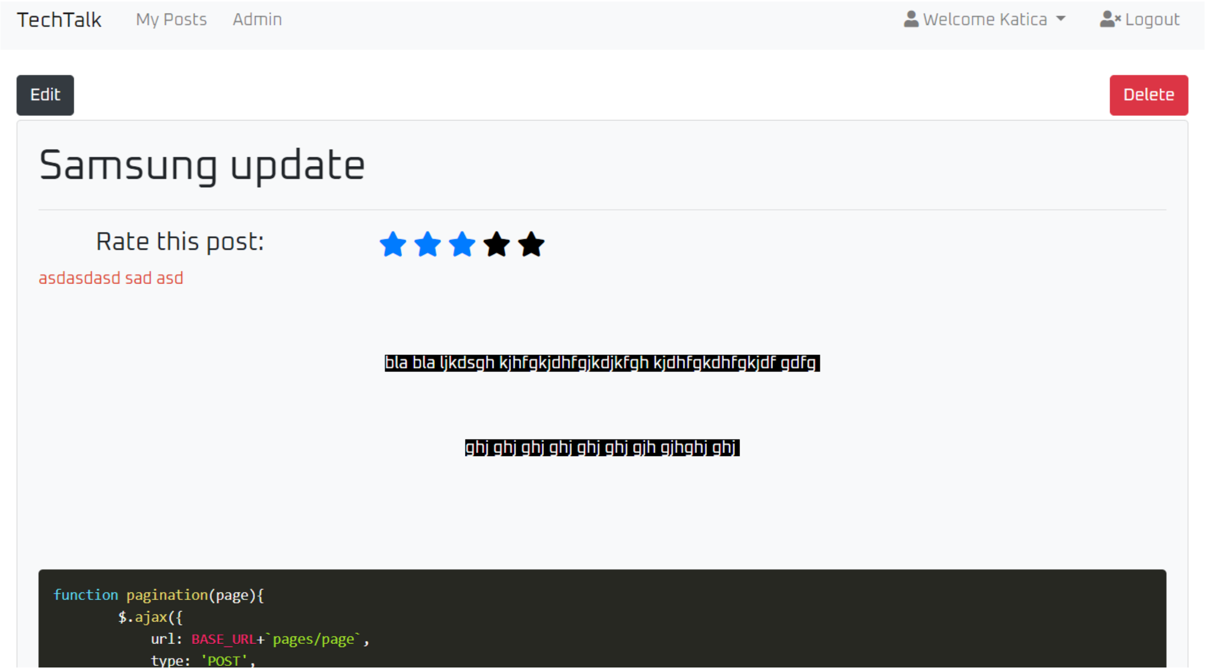
Pojedinačni post : opciju edit I delete imaju admin I user čiji je post (ovo je admin), takođe opcija ocene svakog posta koji nije od logovanog user-a (pa ni admin-ov) sa flash porukom i onemogućavanjem ponovnog ocenjivanja



[redacted]

Adminov post

```
public function settings($id)
    {
        if(!$this->isLoggedIn()){
            \flash('settingsErr_msg', 'Please login to your account first', 'alert alert-danger');
            redirect('users/login');
        }
        $user = $this->userModel->getUserById($id);
        if($_SERVER['REQUEST_METHOD'] == 'POST'){

            $email = $_POST['emailNew'];
            $emailReg = '/^(\w+(\.|\-)?)*\@\w+(\.com|\.rs)|\.ict.edu.rs$/';
            $password = $_POST['passwordNew'];
            $data = [
                'id' => $id,
                'type_id'=> isset($_POST['admin']) ? 1 : 2,
                'email' => $user->email,
                'emailNew' => ''
            ];
            if(!empty($email)){
                if(!preg_match($emailReg, $email)){

                    $data['email_err'] = 'Enter a valid e-mail address ';
```



Samsung update

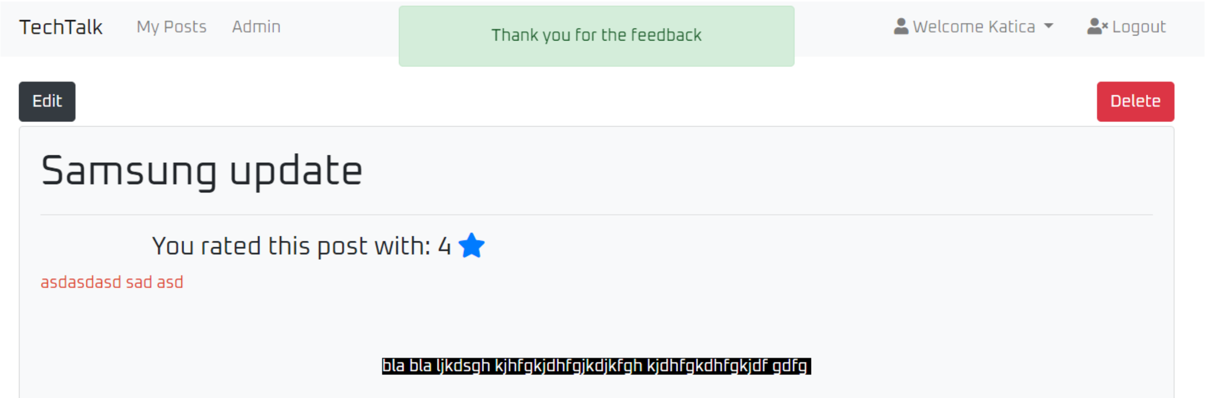
Rate this post: ★★★★★

asdasdasd sad asd

bla bla ljkdsgh kjhfgkjdhfgjkdjkfgh kjdhfgkdhfgkjdf gdfg

ghj ghj ghj ghj ghj ghj gjh gjhghj ghj

```
function pagination(page){
        $.ajax({
            url: BASE_URL+`pages/page`,
            type: 'POST',
```



Thank you for the feedback

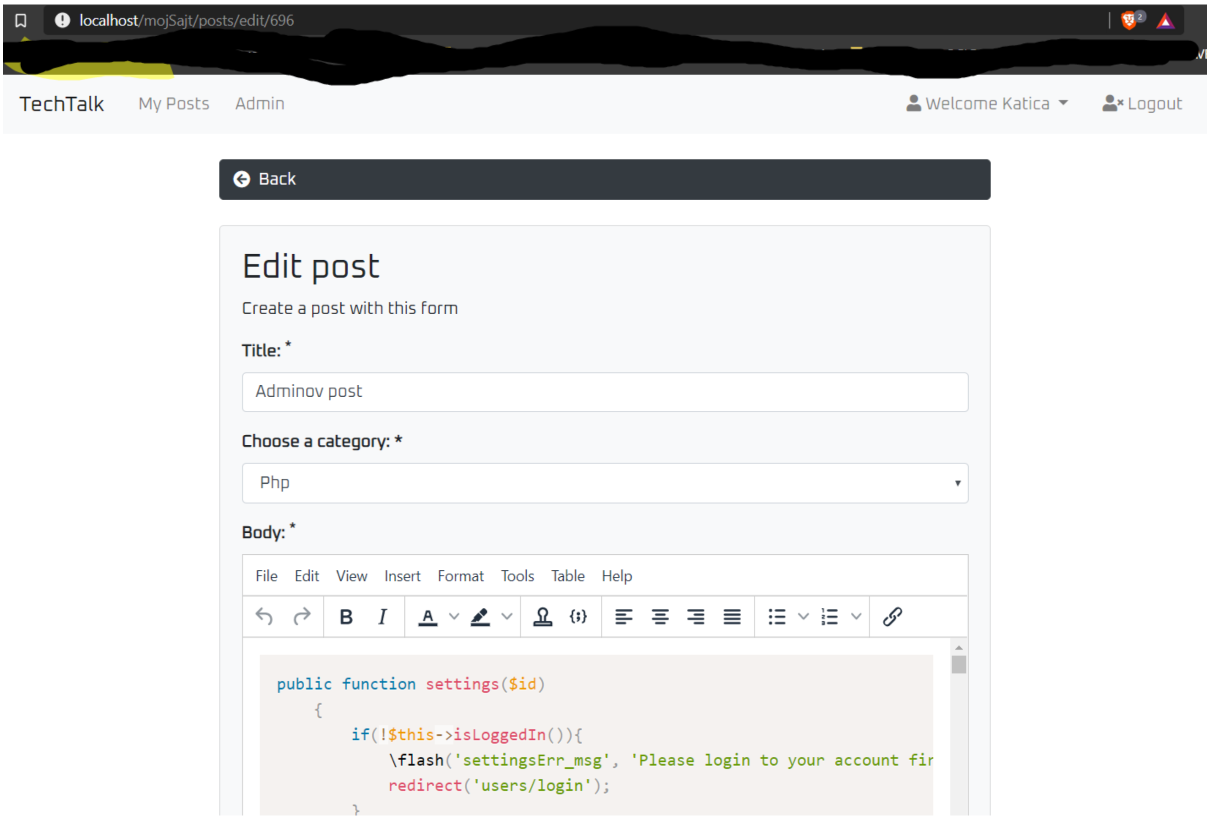
Samsung update

You rated this post with: 4 ★

asdasdasd sad asd

bla bla ljkdsgh kjhfgkjdhfgjkdjkfgh kjdhfgkdhfgkjdf gdfg

Edit-ovanje posta sa back dugmetom (na show post)



localhost/mojSajt/posts/edit/696

[redacted]

Edit post

Create a post with this form

Title: *

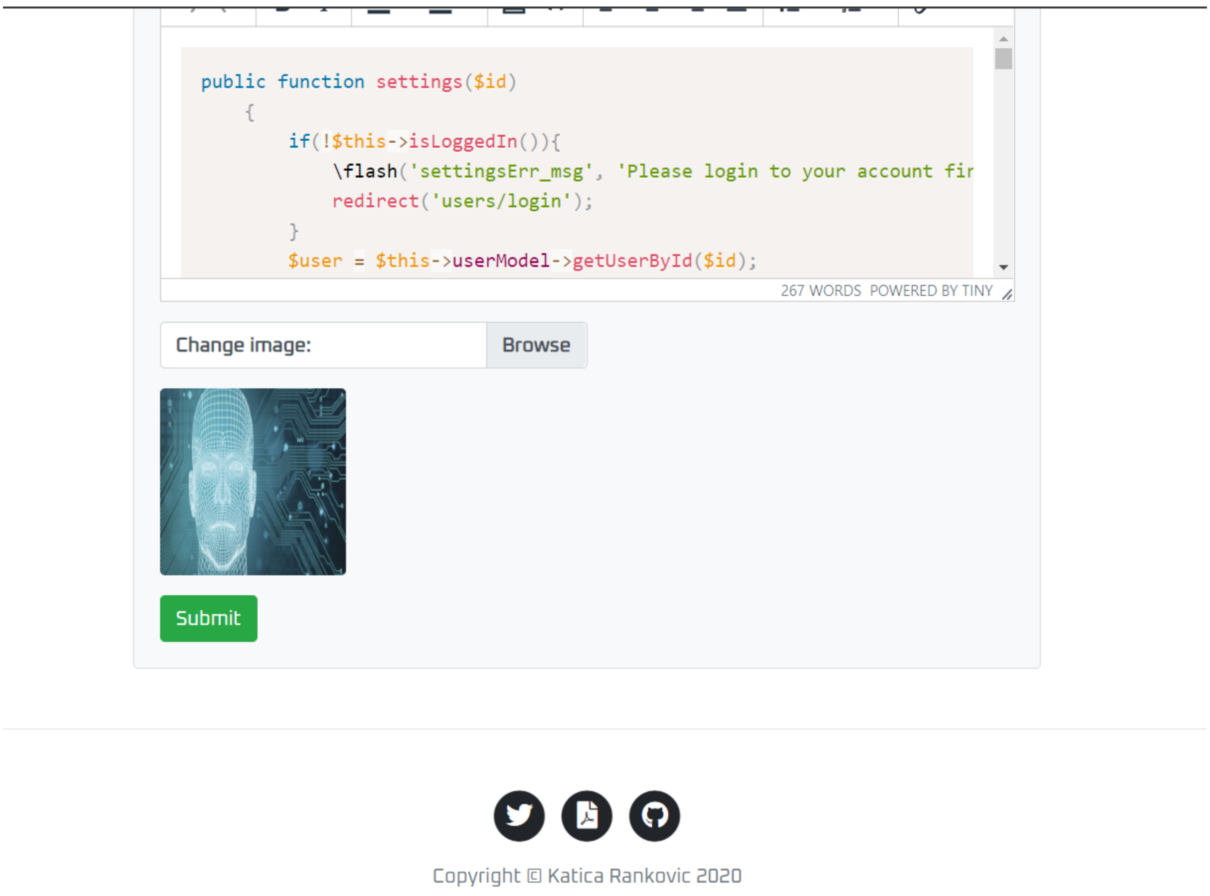
Adminov post

Choose a category: *

Php

Body: *

```
public function settings($id)
    {
        if(!$this->isLoggedIn()){
            \flash('settingsErr_msg', 'Please login to your account fir
            redirect('users/login');
        }
```



```
public function settings($id)
    {
        if(!$this->isLoggedIn()){
            \flash('settingsErr_msg', 'Please login to your account fir
            redirect('users/login');
        }
        $user = $this->userModel->getUserById($id);
```

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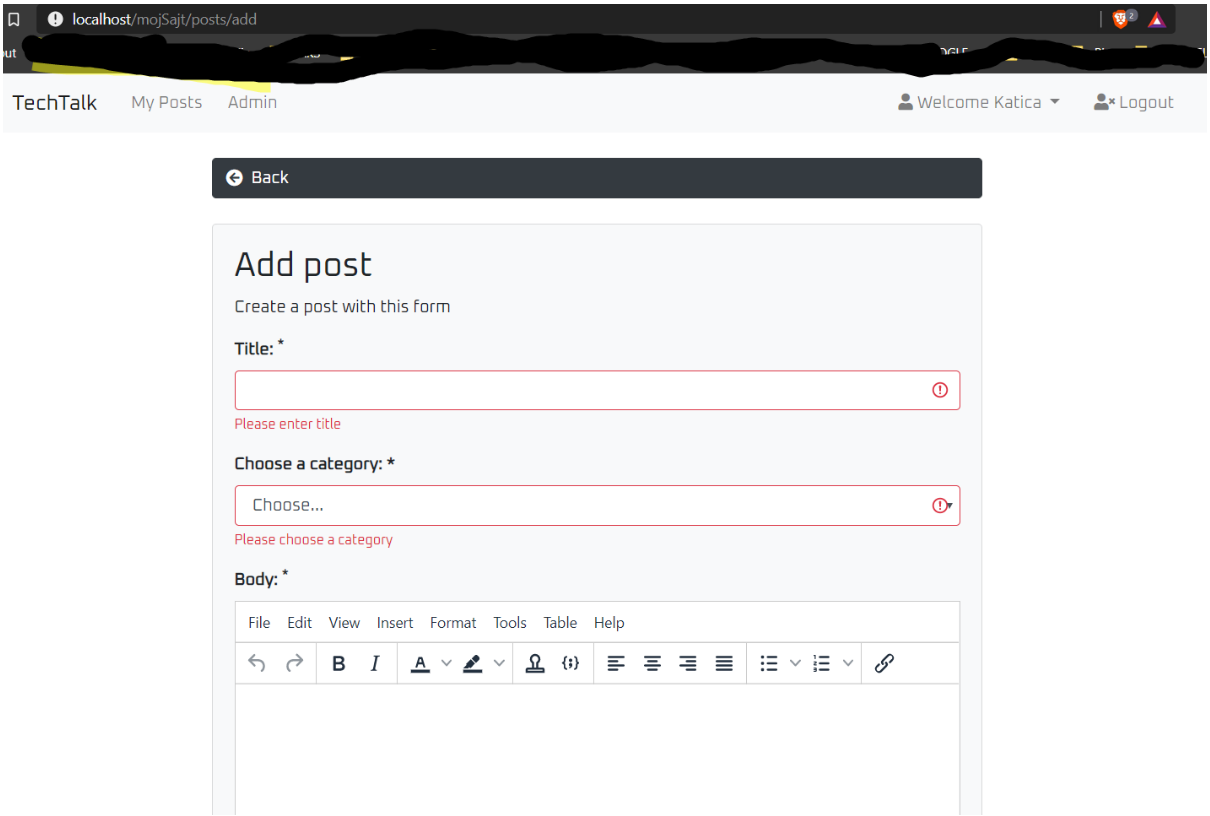
Addpost strana: serverska validacija(slika posle submita prazne forme) sa flash porukom I redirekcijom na MyPosts



localhost/mojSajt/posts/add

[redacted]

Add post

Create a post with this form

Title: *

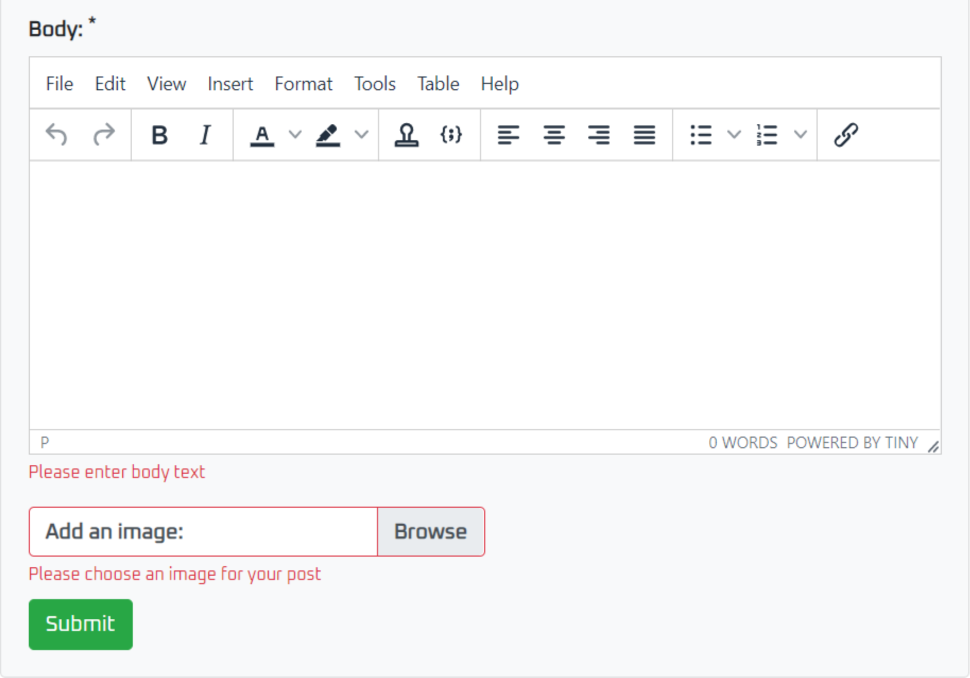
Please enter title

Choose a category: *

Choose...

Please choose a category

Body: *



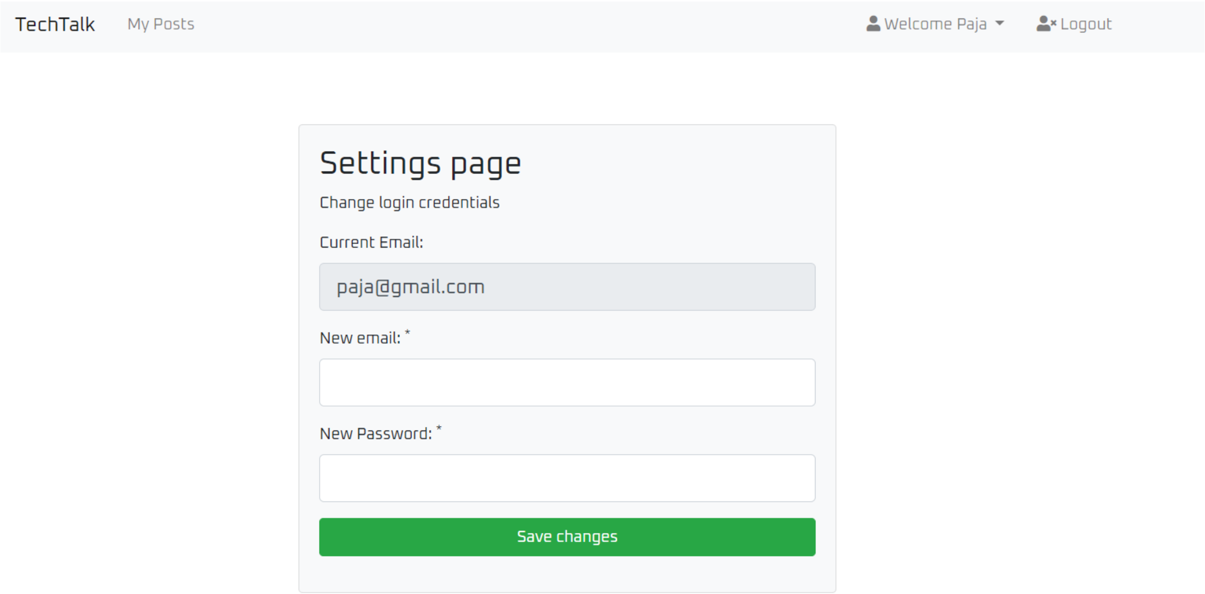
Body: *

Please enter body text

Add an image: Browse

Please choose an image for your post

Settings page: strana gde user može da promeni email I password, ujedno strana I za admin/edit/user gde može čekiranjem Admin čekboksa da nekome dodeli tu ulogu



Settings page

Change login credentials

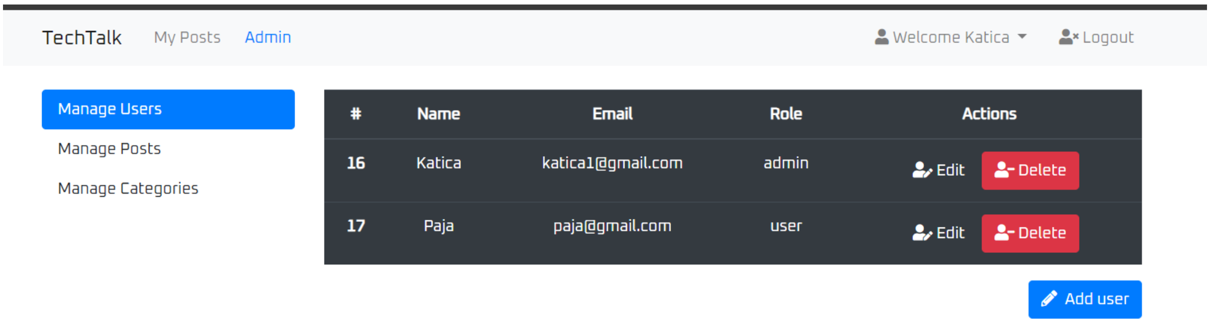
Current Email:

paja@gmail.com

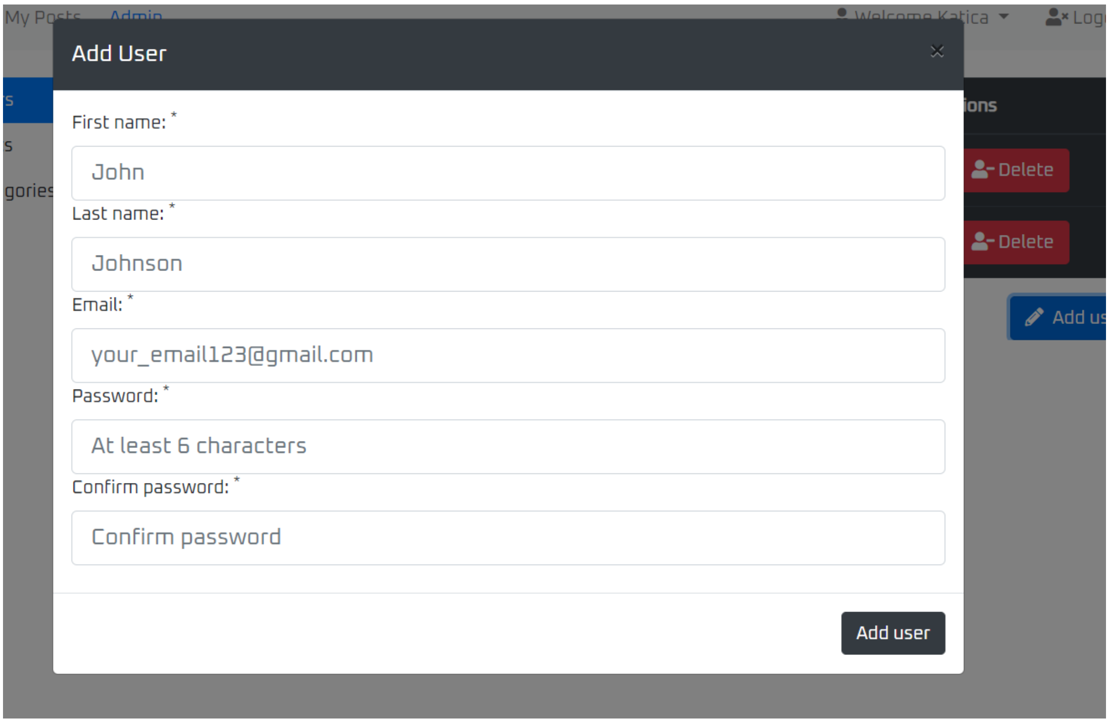
New email: *

New Password: *

Admin strana : crud usera, postova, kategorija, bootstrap tab lista sa leve strane sa jquery promenama glavnog dela (desnog), modali za dodavanje, flash poruke o svakoj akciji



#	Name	Email	Role	Actions
16	Katica	katica1@gmail.com	admin	Edit Delete
17	Paja	paja@gmail.com	user	Edit Delete



Add User

First name: *

John

Last name: *

Johnson

Email: *

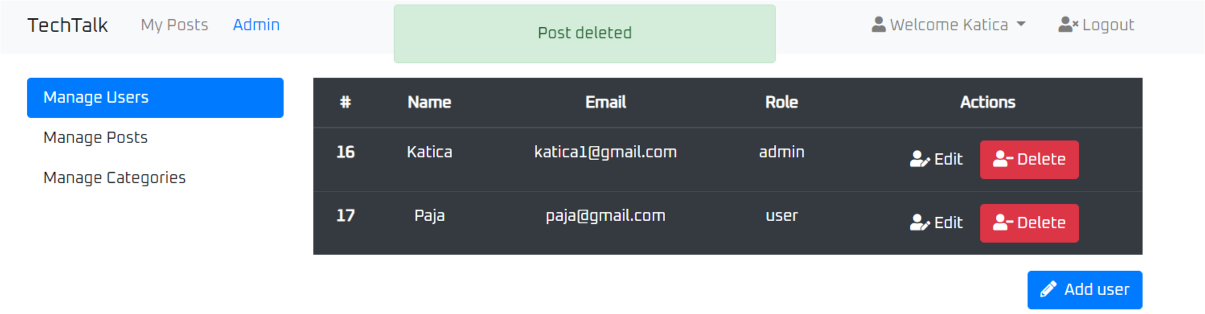
your_email123@gmail.com

Password: *

At least 6 characters

Confirm password: *

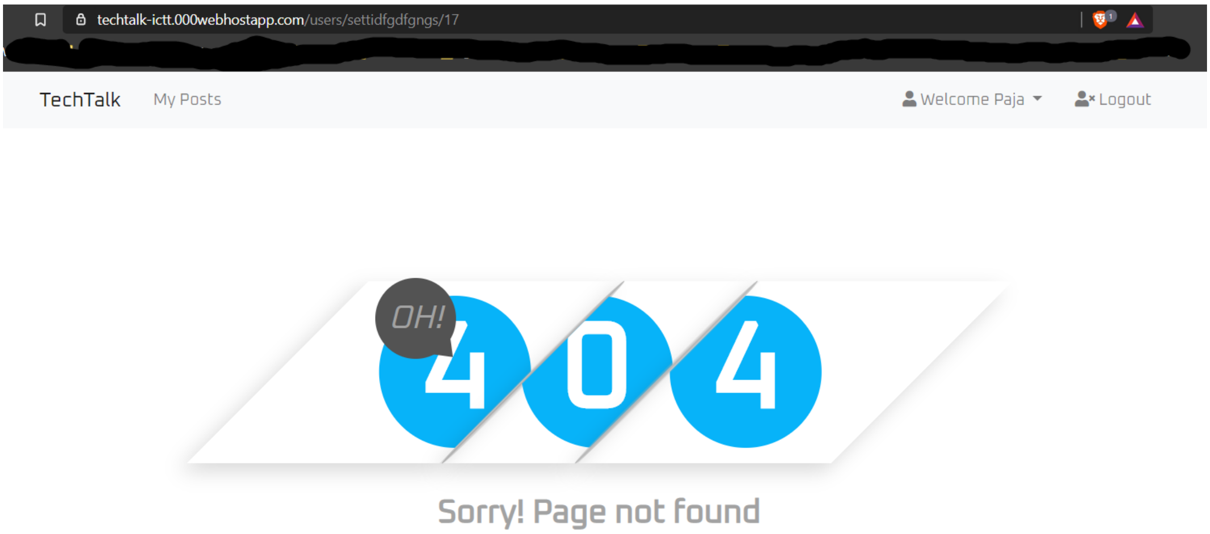
Confirm password



Post deleted

#	Name	Email	Role	Actions
16	Katica	katica1@gmail.com	admin	Edit Delete
17	Paja	paja@gmail.com	user	Edit Delete

404 strana na koju se redirektuje kada se ukuca nepostojeća strana u url

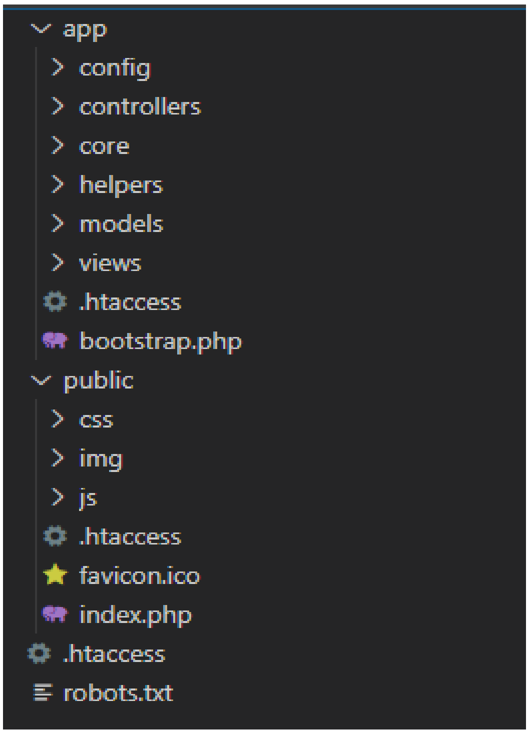

techtalk-ictt.000webhostapp.com/users/settidfgdfgngs/17

[redacted]

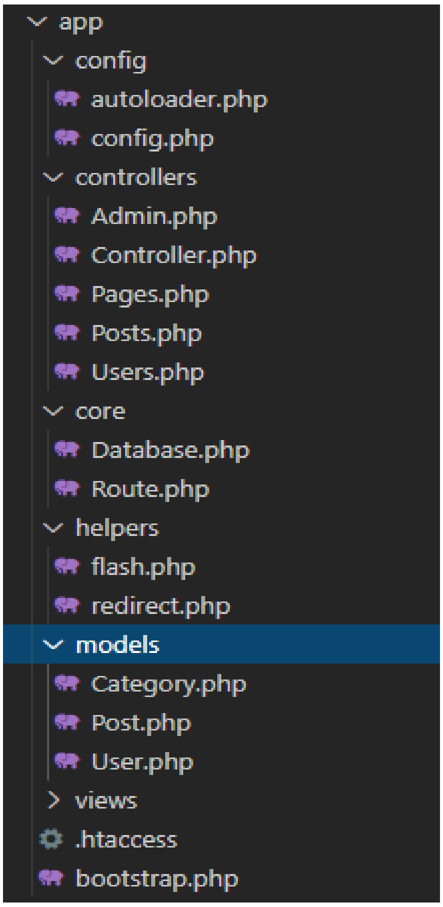
Sorry! Page not found

1.4 Kodovi I struktura folder

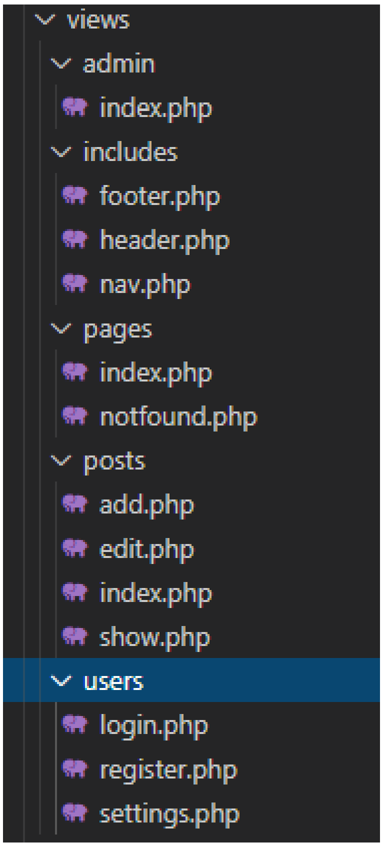
Struktura foldera



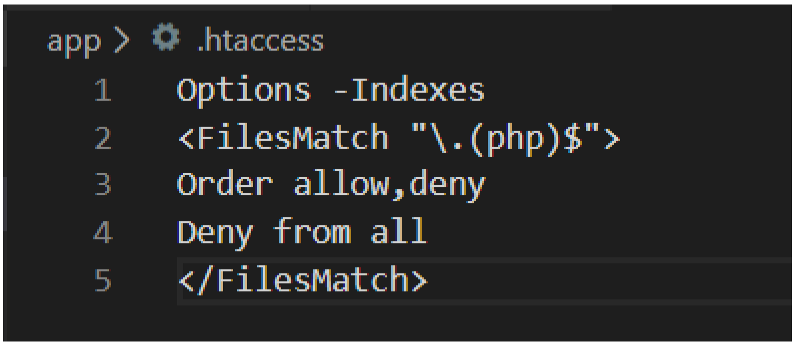
```
˅ app
  > config
  > controllers
  > core
  > helpers
  > models
  > views
  .htaccess
  bootstrap.php
˅ public
  > css
  > img
  > js
  .htaccess
  favicon.ico
  index.php
.htaccess
robots.txt
```



```
˅ app
  ˅ config
      autoloader.php
      config.php
  ˅ controllers
      Admin.php
      Controller.php
      Pages.php
      Posts.php
      Users.php
  ˅ core
      Database.php
      Route.php
  ˅ helpers
      flash.php
      redirect.php
  ˅ models
      Category.php
      Post.php
      User.php
  > views
  .htaccess
  bootstrap.php
```

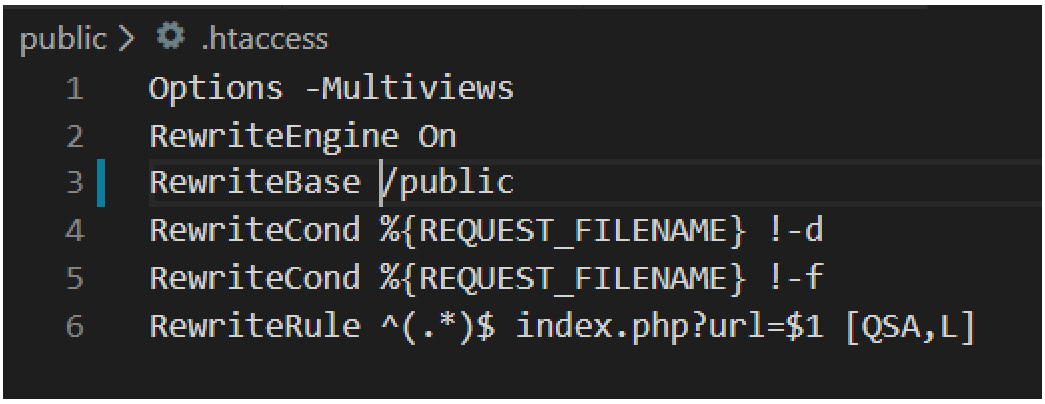


```
˅ views
  ˅ admin
      index.php
  ˅ includes
      footer.php
      header.php
      nav.php
  ˅ pages
      index.php
      notfound.php
  ˅ posts
      add.php
      edit.php
      index.php
      show.php
  ˅ users
      login.php
      register.php
      settings.php
```



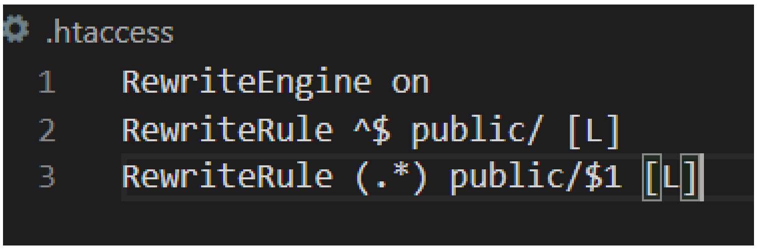
app > .htaccess

```
Options -Indexes
<FilesMatch "\.(php)$">
Order allow,deny
Deny from all
</FilesMatch>
```



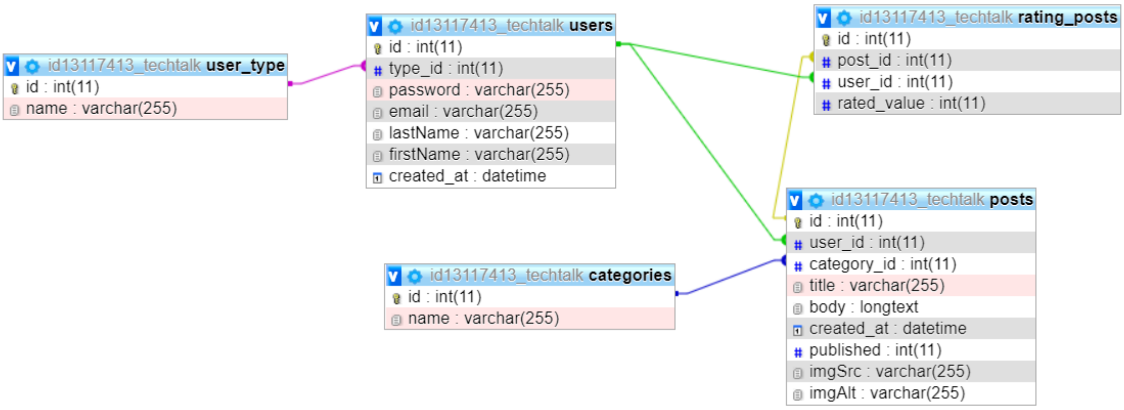
public > .htaccess

```
Options -Multiviews
RewriteEngine On
RewriteBase /public
RewriteCond %{REQUEST_FILENAME} !-d
RewriteCond %{REQUEST_FILENAME} !-f
RewriteRule ^(.*)$ index.php?url=$1 [QSA,L]
```



.htaccess

```
RewriteEngine on
RewriteRule ^$ public/ [L]
RewriteRule (.*) public/$1 [L]
```



id13117413_techtalk user_type
id : int(11)
name : varchar(255)

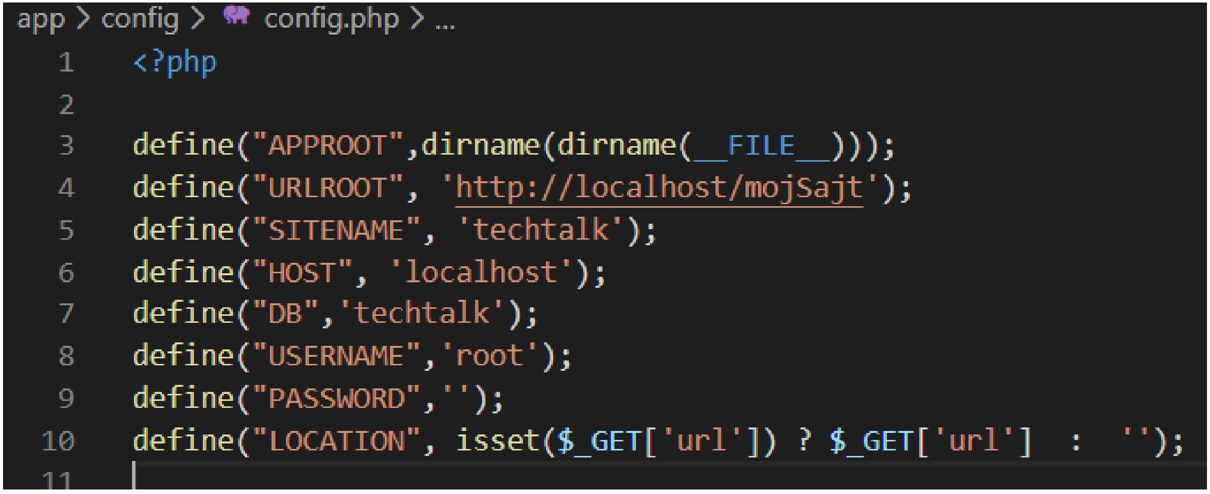
id13117413_techtalk users
id : int(11)
type_id : int(11)
password : varchar(255)
email : varchar(255)
lastName : varchar(255)
firstName : varchar(255)
created_at : datetime

id13117413_techtalk rating_posts
id : int(11)
post_id : int(11)
user_id : int(11)
rated_value : int(11)

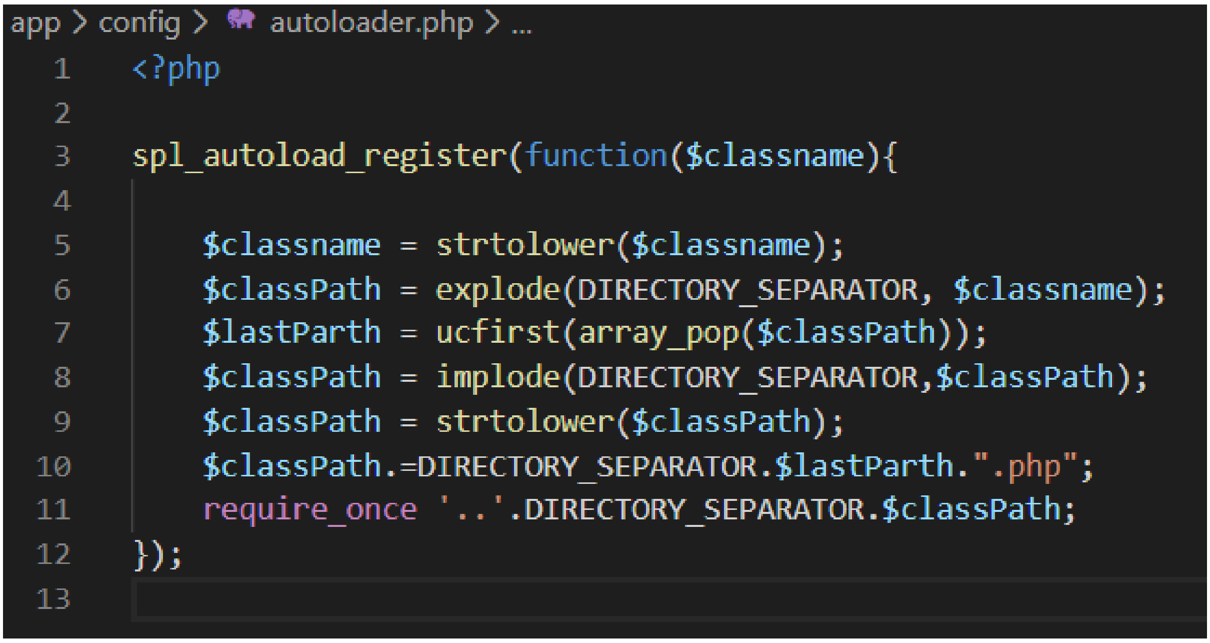
id13117413_techtalk categories
id : int(11)
name : varchar(255)

id13117413_techtalk posts
id : int(11)
user_id : int(11)
category_id : int(11)
title : varchar(255)
body : longtext
created_at : datetime
published : int(11)
imgSrc : varchar(255)
imgAlt : varchar(255)

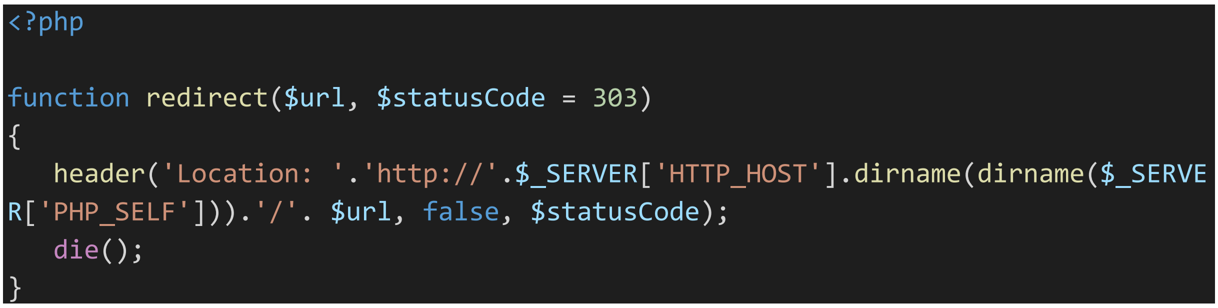
1.4.1 Config, helpers, core



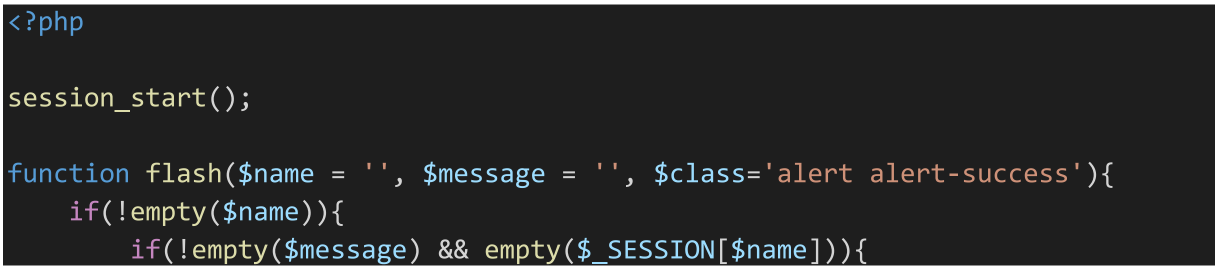
```
app > config > config.php > ...
<?php

define("APPROOT",dirname(dirname(__FILE__)));
define("URLROOT", 'http://localhost/mojSajt');
define("SITENAME", 'techtalk');
define("HOST", 'localhost');
define("DB",'techtalk');
define("USERNAME",'root');
define("PASSWORD",'');
define("LOCATION", isset($_GET['url']) ? $_GET['url']  :  '');
```



```
app > config > autoloader.php > ...
<?php

spl_autoload_register(function($classname){

    $classname = strtolower($classname);
    $classPath = explode(DIRECTORY_SEPARATOR, $classname);
    $lastParth = ucfirst(array_pop($classPath));
    $classPath = implode(DIRECTORY_SEPARATOR,$classPath);
    $classPath = strtolower($classPath);
    $classPath.=DIRECTORY_SEPARATOR.$lastParth.".php";
    require_once '..'.DIRECTORY_SEPARATOR.$classPath;
});

```

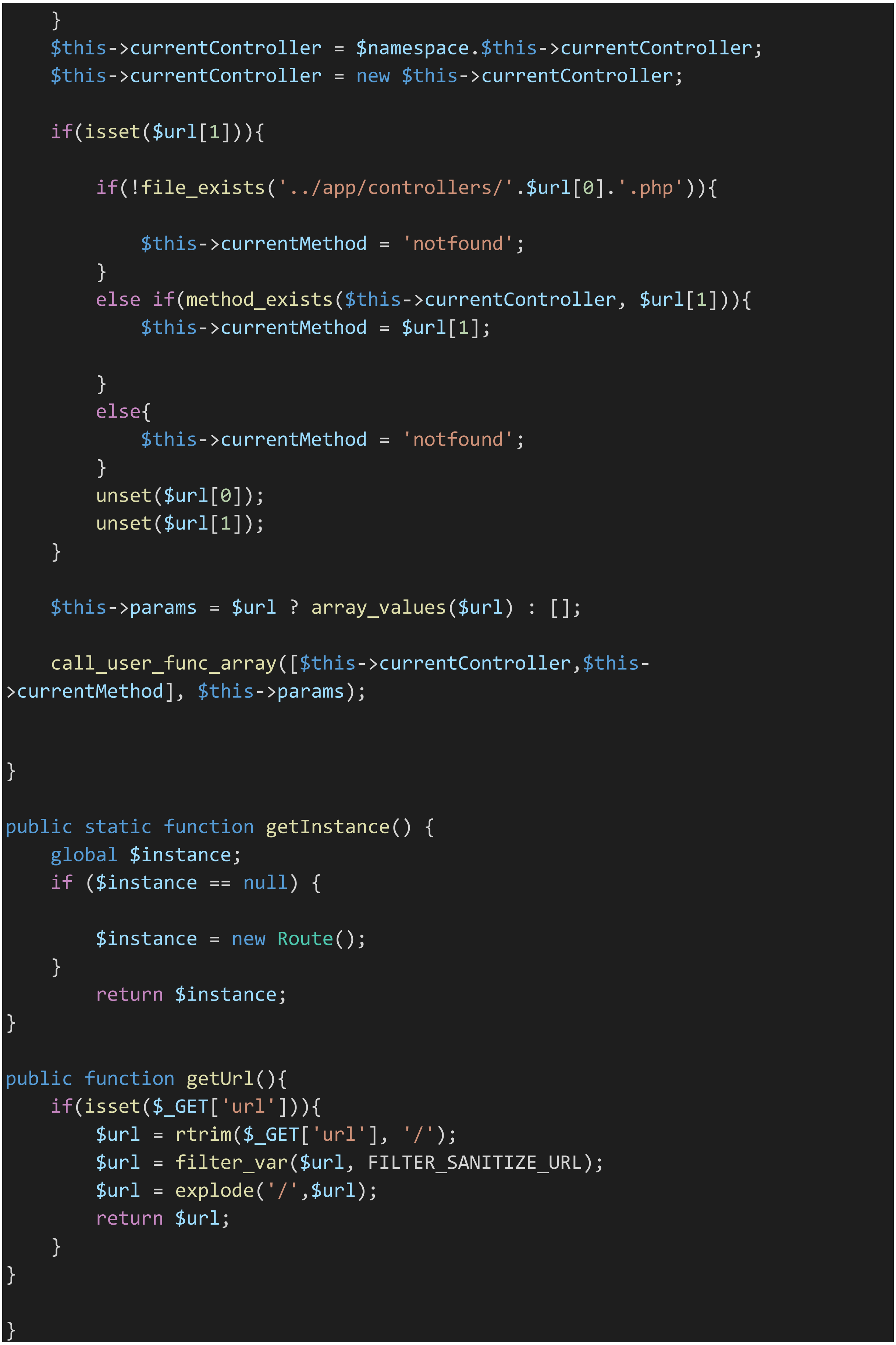


```
<?php

function redirect($url, $statusCode = 303)
{
   header('Location: '.'http://'.$_SERVER['HTTP_HOST'].dirname(dirname($_SERVE
R['PHP_SELF'])).'/'. $url, false, $statusCode);
   die();
}
```



```
<?php

session_start();

function flash($name = '', $message = '', $class='alert alert-success'){
    if(!empty($name)){
        if(!empty($message) && empty($_SESSION[$name])){
            if(!empty($_SESSION[$name])){
                unset($_SESSION[$name]);
            }
            if(!empty($_SESSION[$name.'_class'])){
                unset($_SESSION[$name.'_class']);
            }

            $_SESSION[$name] = $message;
            $_SESSION[$name.'_class'] = $class;
        }
        elseif(empty($message) && !empty($_SESSION[$name])){
            $class = !empty($_SESSION[$name.'_class']) ? $_SESSION[$name.'_cla
ss'] : '';
            echo '<div class="container d-flex justify-content-
center"><div class="'.$class.' alert-fixed py-3 w-25 text-center" id="msg-
flash" role="alert" data-auto-
dismiss="2500">'.$_SESSION[$name].'</div></div>';
            unset($_SESSION[$name]);
            unset($_SESSION[$name.'_class']);
        }
    }

}
```

```
<?php

namespace App\Core;

class Route{

protected static $instance;
protected $currentController = 'Pages';
protected $currentMethod = 'index';
protected $params = [];

public function __construct(){

    $url = $this->getUrl();
    $namespace = "App\Controllers\\";

    if(isset($url[0])){
        if(file_exists('../app/controllers/'.$url[0].'.php')){
            $this->currentController = ucwords($url[0]);
        }
        else{

            $this->currentMethod = 'notfound';
        }
```



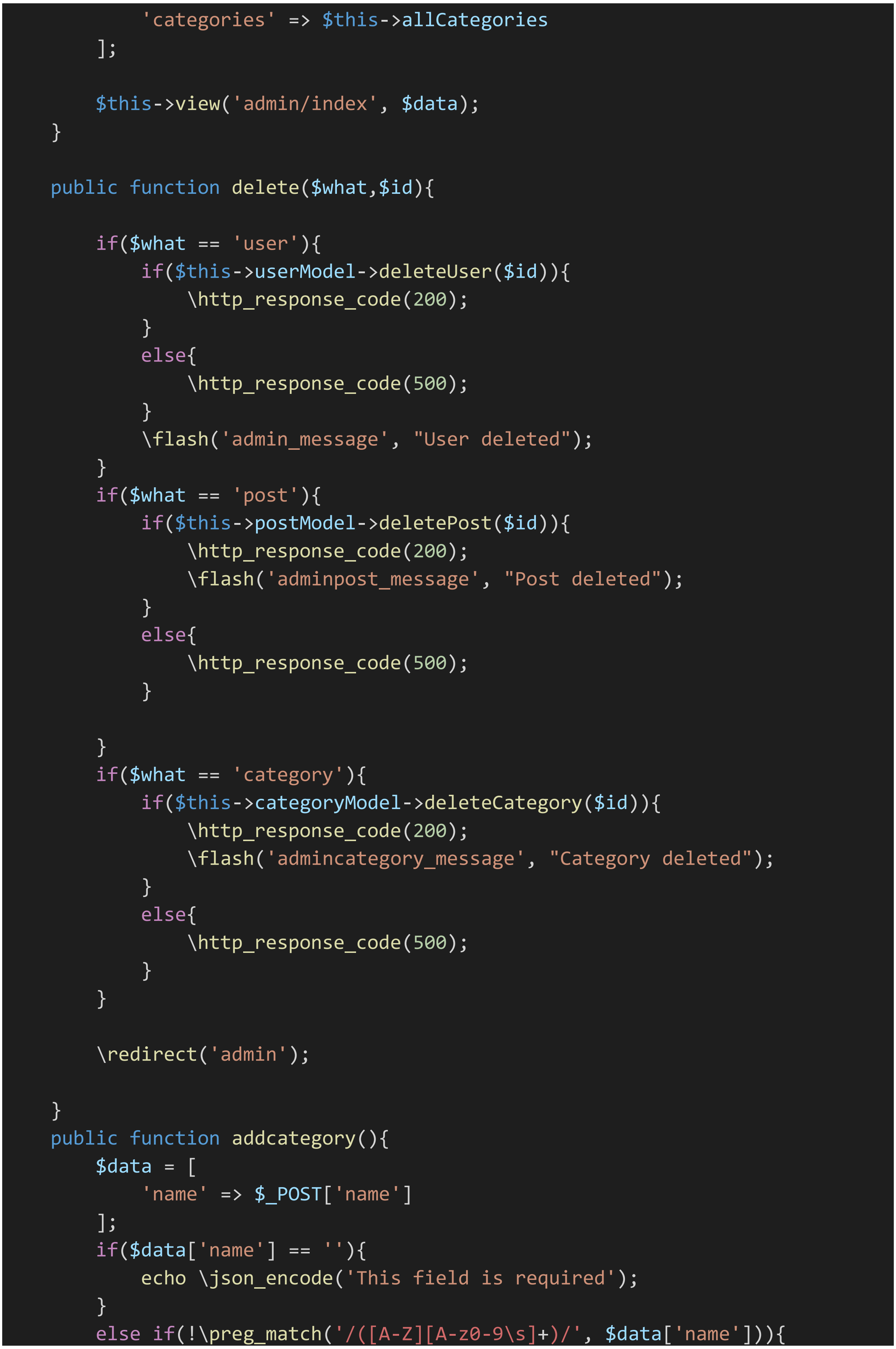
```
    }
    $this->currentController = $namespace.$this->currentController;
    $this->currentController = new $this->currentController;

    if(isset($url[1])){

        if(!file_exists('../app/controllers/'.$url[0].'.php')){

            $this->currentMethod = 'notfound';
        }
        else if(method_exists($this->currentController, $url[1])){
            $this->currentMethod = $url[1];

        }
        else{
            $this->currentMethod = 'notfound';
        }
        unset($url[0]);
        unset($url[1]);
    }

    $this->params = $url ? array_values($url) : [];

    call_user_func_array([$this->currentController,$this-
>currentMethod], $this->params);


}

public static function getInstance() {
    global $instance;
    if ($instance == null) {

        $instance = new Route();
    }
        return $instance;
}

public function getUrl(){
    if(isset($_GET['url'])){
        $url = rtrim($_GET['url'], '/');
        $url = filter_var($url, FILTER_SANITIZE_URL);
        $url = explode('/',$url);
        return $url;
    }
}

}
```

```php
<?php
namespace App\Core;

class Database{

    private $host = HOST;
    private $database = DB;
    private $username = USERNAME;
    private $password = PASSWORD;

    protected static $dbh;
    private $error;

    public function __construct(){

        $dsn = "mysql:host=$this->host;dbname=$this->database";
        $options = array(
            \PDO::ATTR_PERSISTENT => true,
            \PDO::ATTR_ERRMODE => \PDO::ERRMODE_EXCEPTION,
            \PDO::ATTR_DEFAULT_FETCH_MODE => \PDO::FETCH_OBJ
        );

        try{
            self::$dbh = new \PDO($dsn, $this->username, $this-
>password, $options);
        }
        catch(PDOException $e){
            $this->error = $e->getMessage();

            echo $this->error;
        }
    }

    public function query($sql){
        $this->stmt = self::$dbh->prepare($sql);
    }

    public function bind($param, $value, $type=null){
        if(is_null($type)){
            switch(true){
                case is_int($value):
                    $type = \PDO::PARAM_INT;
                break;
                case is_bool($value):
                    $type = \PDO::PARAM_BOOL;
                break;
                case is_null($value):
                    $type = \PDO::PARAM_NULL;
                break;
                default:
                $type = \PDO::PARAM_STR;
            }
        }

        $this->stmt->bindValue($param,$value,$type);
    }

    public function execute(){
        return $this->stmt->execute();
    }

    public function resultSet(){
        $this->execute();
        return $this->stmt->fetchAll();
    }

    public function single(){
        $this->execute();
        return $this->stmt->fetch();
    }

    public function rowCount(){
        return $this->stmt->rowCount();
    }

    public static function getInstance() {
        global $dbh;
        if ($dbh == null) {

            $dbh = new Database();
        }
            return $dbh;
    }
}
```

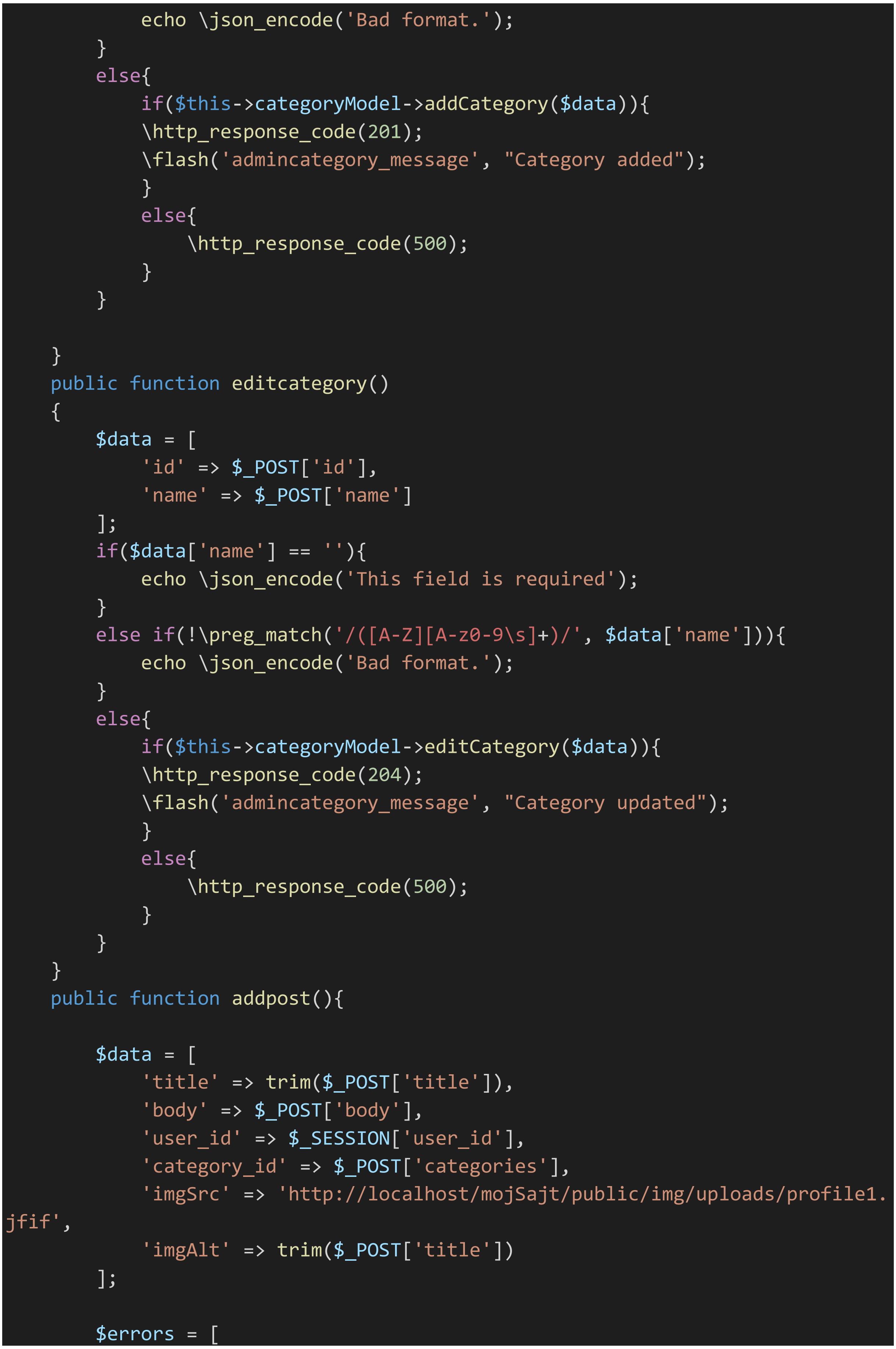
1.4.2 Controllers

```
<?php
namespace App\Controllers;

class Controller{

    public function model($model){
        $model = "App\Models\\$model";
        return new $model();
    }

    public function view($view, $data = [], $optional = []){
        $fixedPath = "../app/views";
        if(file_exists("$fixedPath/$view.php")){
            require_once "$fixedPath/includes/header.php";
            require_once "$fixedPath/$view.php";
            require_once "$fixedPath/includes/footer.php";
        }

    }
}
```

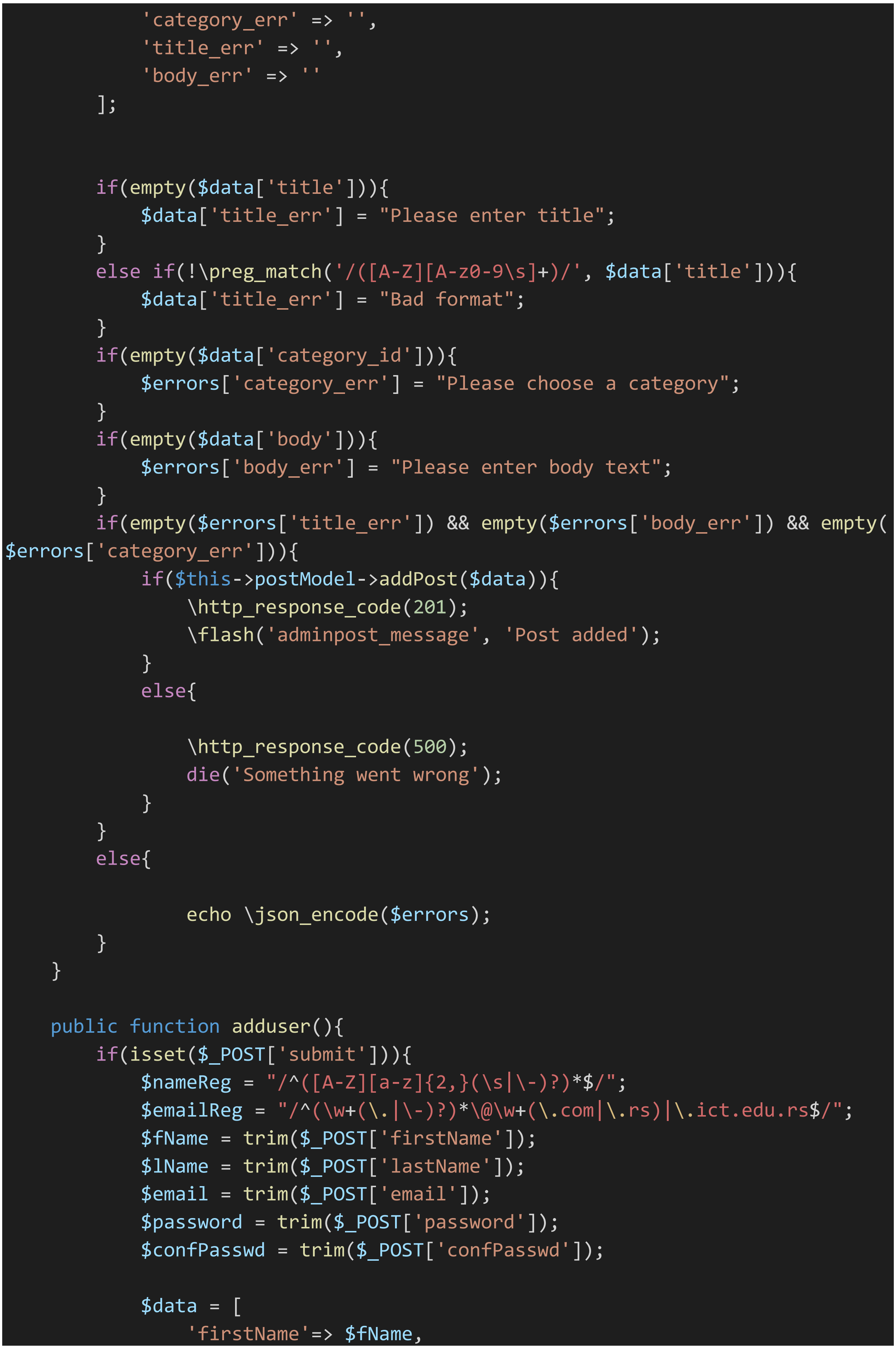
```
<?php
namespace App\Controllers;

class Admin extends Controller{

    public function __construct(){

        $this->userModel = $this->model('User');

        if(!isset($_SESSION['user_id'])){

            \flash('adminErr_msg', 'Please login first', 'alert alert-
danger');
            \redirect('users/login');
        }
        else if(!$this->userModel->isAdmin($_SESSION['user_id'])){
            \flash('adminErr_msg', 'You are NOT an admin', 'alert alert-
danger');
            \redirect('posts');
        }

            $this->postModel = $this->model('Post');
            $this->categoryModel = $this->model('Category');
            $this->allUsers = $this->userModel->getAllUsers();
            $this->allPosts = $this->postModel->getPosts();
            $this->allCategories = $this->categoryModel->getCategories();

    }

    public function index(){
        $data = [
            'users' => $this->allUsers,
            'posts' => $this->allPosts,
```



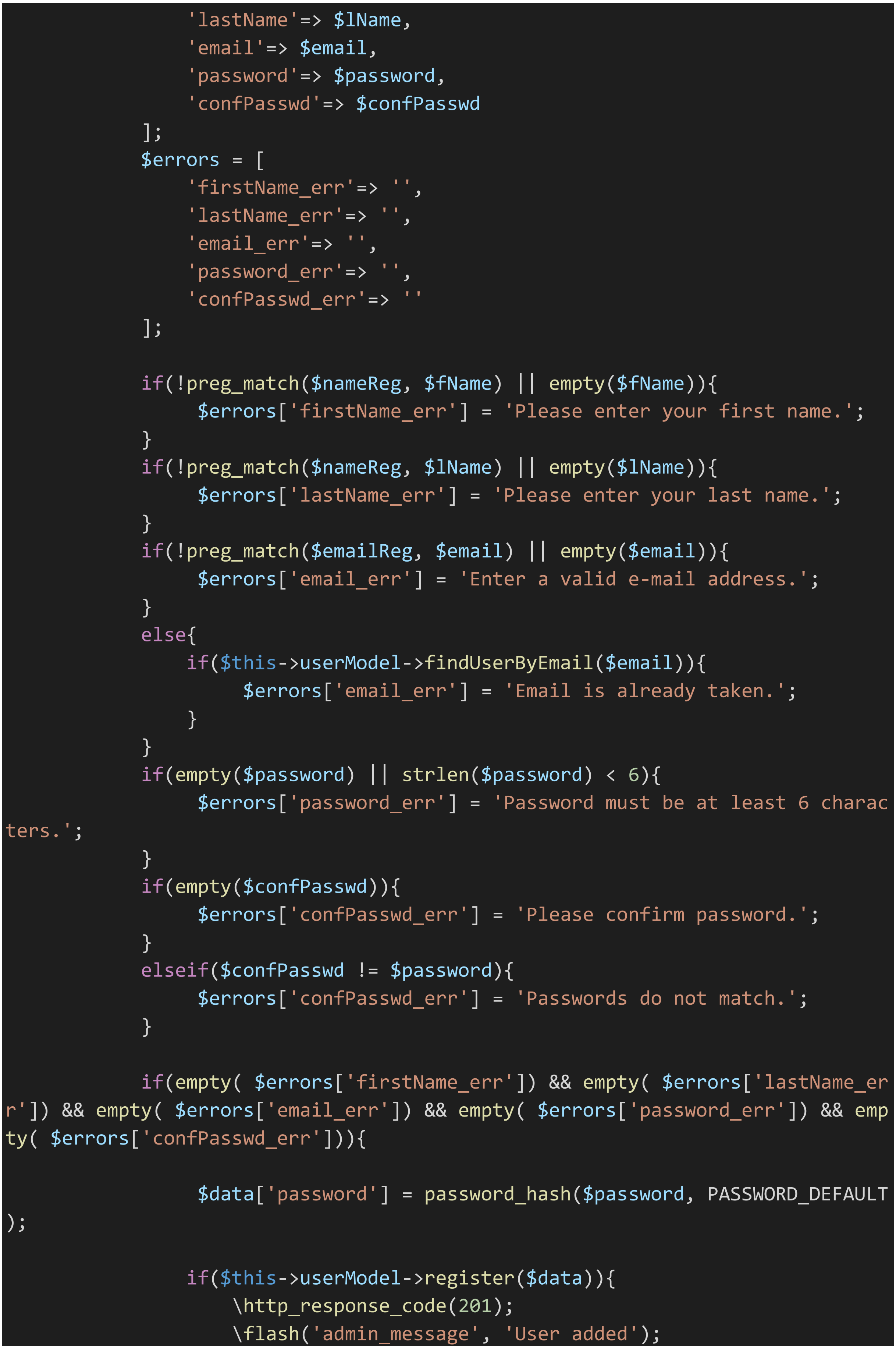
```
            'categories' => $this->allCategories
        ];

        $this->view('admin/index', $data);
    }

    public function delete($what,$id){

        if($what == 'user'){
            if($this->userModel->deleteUser($id)){
                \http_response_code(200);
            }
            else{
                \http_response_code(500);
            }
            \flash('admin_message', "User deleted");
        }
        if($what == 'post'){
            if($this->postModel->deletePost($id)){
                \http_response_code(200);
                \flash('adminpost_message', "Post deleted");
            }
            else{
                \http_response_code(500);
            }

        }
        if($what == 'category'){
            if($this->categoryModel->deleteCategory($id)){
                \http_response_code(200);
                \flash('admincategory_message', "Category deleted");
            }
            else{
                \http_response_code(500);
            }
        }

        \redirect('admin');

    }
    public function addcategory(){
        $data = [
            'name' => $_POST['name']
        ];
        if($data['name'] == ''){
            echo \json_encode('This field is required');
        }
        else if(!\preg_match('/([A-Z][A-z0-9\s]+)/', $data['name'])){
```



```
            echo \json_encode('Bad format.');
        }
        else{
            if($this->categoryModel->addCategory($data)){
            \http_response_code(201);
            \flash('admincategory_message', "Category added");
            }
            else{
                \http_response_code(500);
            }
        }

    }
    public function editcategory()
    {
        $data = [
            'id' => $_POST['id'],
            'name' => $_POST['name']
        ];
        if($data['name'] == ''){
            echo \json_encode('This field is required');
        }
        else if(!\preg_match('/([A-Z][A-z0-9\s]+)/', $data['name'])){
            echo \json_encode('Bad format.');
        }
        else{
            if($this->categoryModel->editCategory($data)){
            \http_response_code(204);
            \flash('admincategory_message', "Category updated");
            }
            else{
                \http_response_code(500);
            }
        }
    }
    public function addpost(){

        $data = [
            'title' => trim($_POST['title']),
            'body' => $_POST['body'],
            'user_id' => $_SESSION['user_id'],
            'category_id' => $_POST['categories'],
            'imgSrc' => 'http://localhost/mojSajt/public/img/uploads/profile1.
jfif',
            'imgAlt' => trim($_POST['title'])
        ];

        $errors = [
```

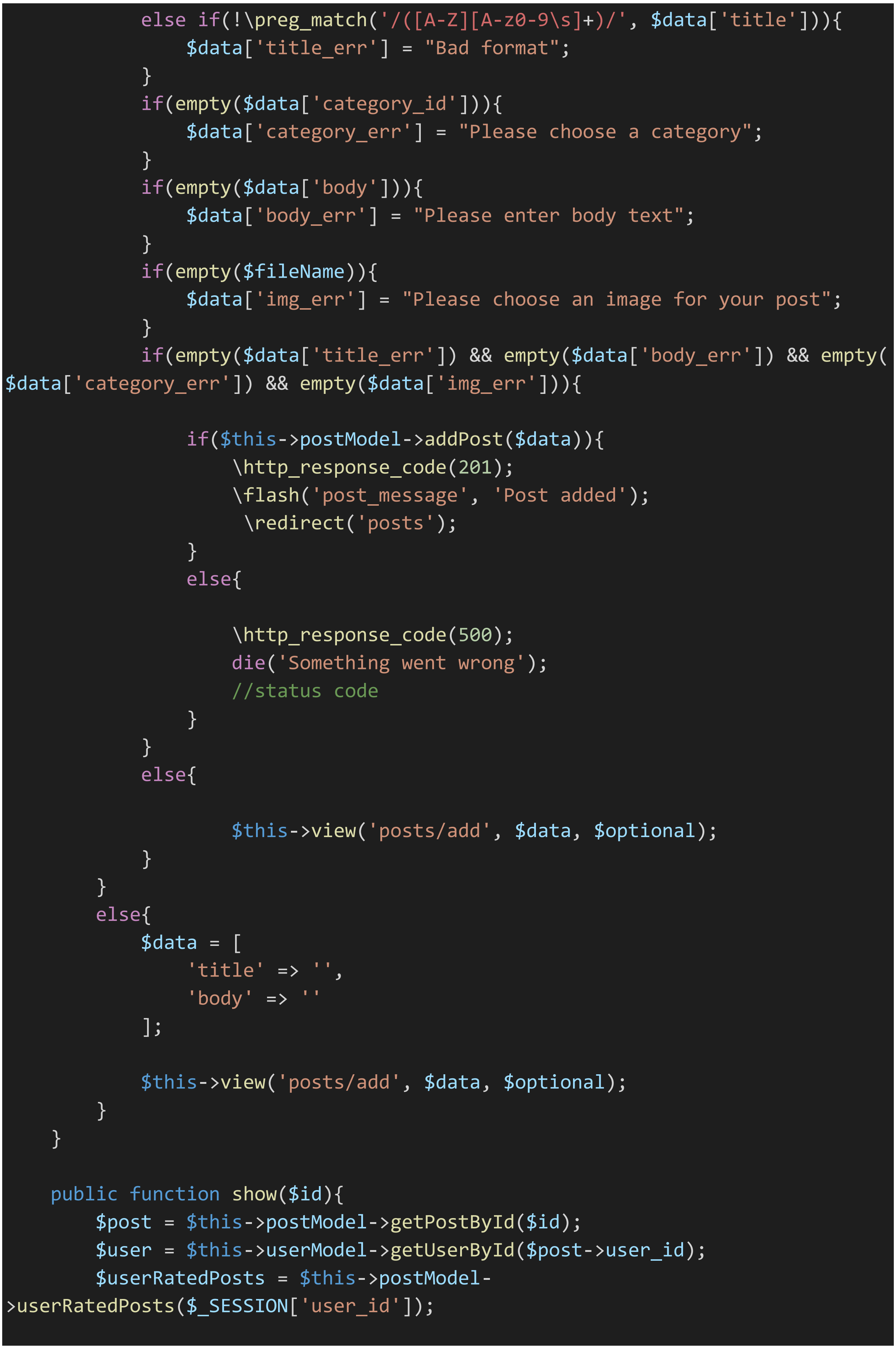


```
            'category_err' => '',
            'title_err' => '',
            'body_err' => ''
        ];


        if(empty($data['title'])){
            $data['title_err'] = "Please enter title";
        }
        else if(!\preg_match('/([A-Z][A-z0-9\s]+)/', $data['title'])){
            $data['title_err'] = "Bad format";
        }
        if(empty($data['category_id'])){
            $errors['category_err'] = "Please choose a category";
        }
        if(empty($data['body'])){
            $errors['body_err'] = "Please enter body text";
        }
        if(empty($errors['title_err']) && empty($errors['body_err']) && empty(
$errors['category_err'])){
            if($this->postModel->addPost($data)){
                \http_response_code(201);
                \flash('adminpost_message', 'Post added');
            }
            else{

                \http_response_code(500);
                die('Something went wrong');
            }
        }
        else{

                echo \json_encode($errors);
        }
    }

    public function adduser(){
        if(isset($_POST['submit'])){
            $nameReg = "/^([A-Z][a-z]{2,}(\s|\-)?)*$/";
            $emailReg = "/^(\w+(\.|\-)?)*\@\w+(\.com|\.rs)|\.ict.edu.rs$/";
            $fName = trim($_POST['firstName']);
            $lName = trim($_POST['lastName']);
            $email = trim($_POST['email']);
            $password = trim($_POST['password']);
            $confPasswd = trim($_POST['confPasswd']);

            $data = [
                'firstName'=> $fName,
```

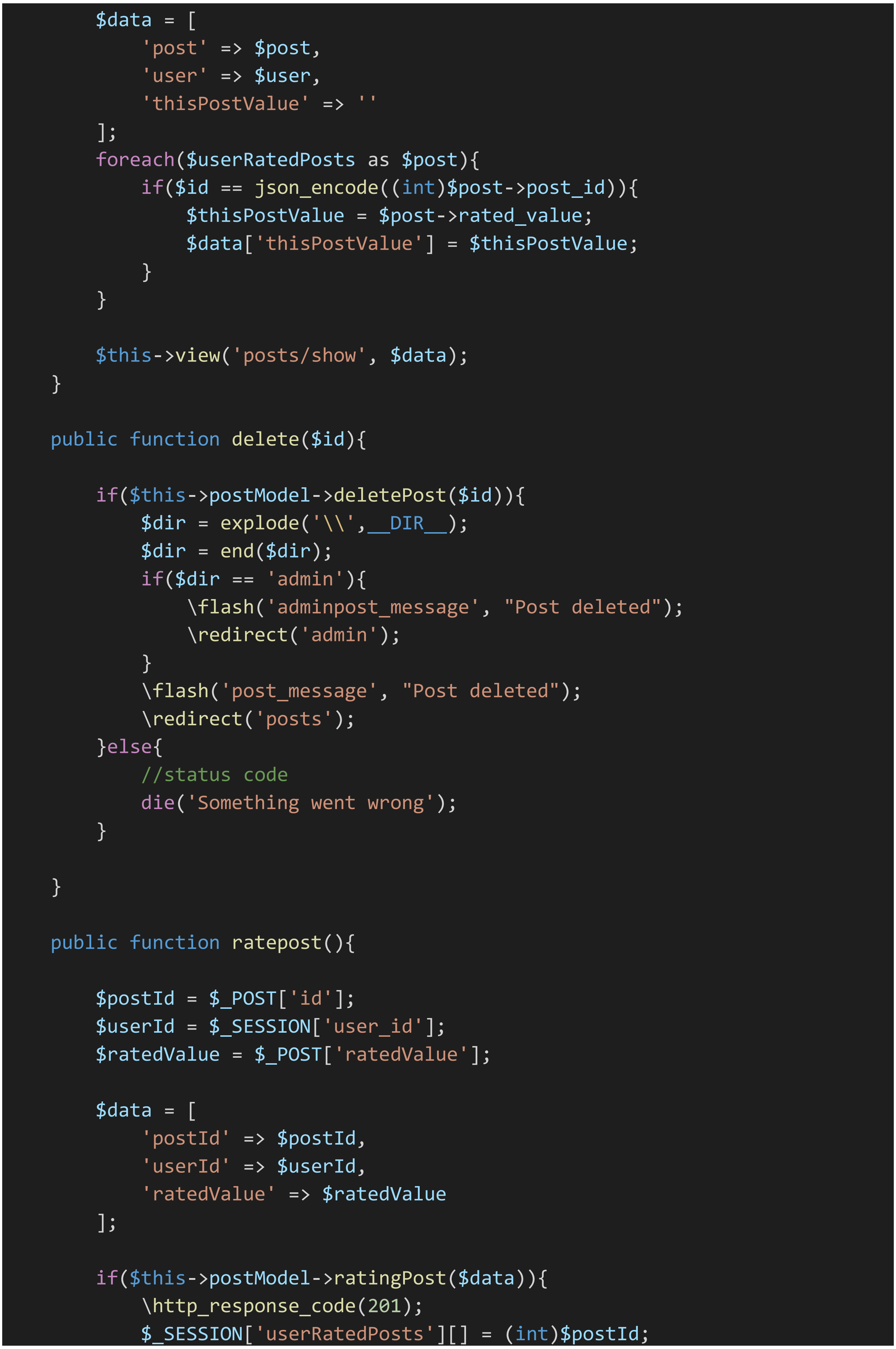


```
                'lastName'=> $lName,
                'email'=> $email,
                'password'=> $password,
                'confPasswd'=> $confPasswd
            ];
            $errors = [
                'firstName_err'=> '',
                'lastName_err'=> '',
                'email_err'=> '',
                'password_err'=> '',
                'confPasswd_err'=> ''
            ];

            if(!preg_match($nameReg, $fName) || empty($fName)){
                 $errors['firstName_err'] = 'Please enter your first name.';
            }
            if(!preg_match($nameReg, $lName) || empty($lName)){
                 $errors['lastName_err'] = 'Please enter your last name.';
            }
            if(!preg_match($emailReg, $email) || empty($email)){
                 $errors['email_err'] = 'Enter a valid e-mail address.';
            }
            else{
                if($this->userModel->findUserByEmail($email)){
                     $errors['email_err'] = 'Email is already taken.';
                }
            }
            if(empty($password) || strlen($password) < 6){
                 $errors['password_err'] = 'Password must be at least 6 charac
ters.';
            }
            if(empty($confPasswd)){
                 $errors['confPasswd_err'] = 'Please confirm password.';
            }
            elseif($confPasswd != $password){
                 $errors['confPasswd_err'] = 'Passwords do not match.';
            }

            if(empty( $errors['firstName_err']) && empty( $errors['lastName_er
r']) && empty( $errors['email_err']) && empty( $errors['password_err']) && emp
ty( $errors['confPasswd_err'])){

                 $data['password'] = password_hash($password, PASSWORD_DEFAULT
);

                if($this->userModel->register($data)){
                    \http_response_code(201);
                    \flash('admin_message', 'User added');
                }
                else{
                    \http_response_code(500);
                }
            }
            else{

                 echo \json_encode($errors);
            }
        }
    }
}
```

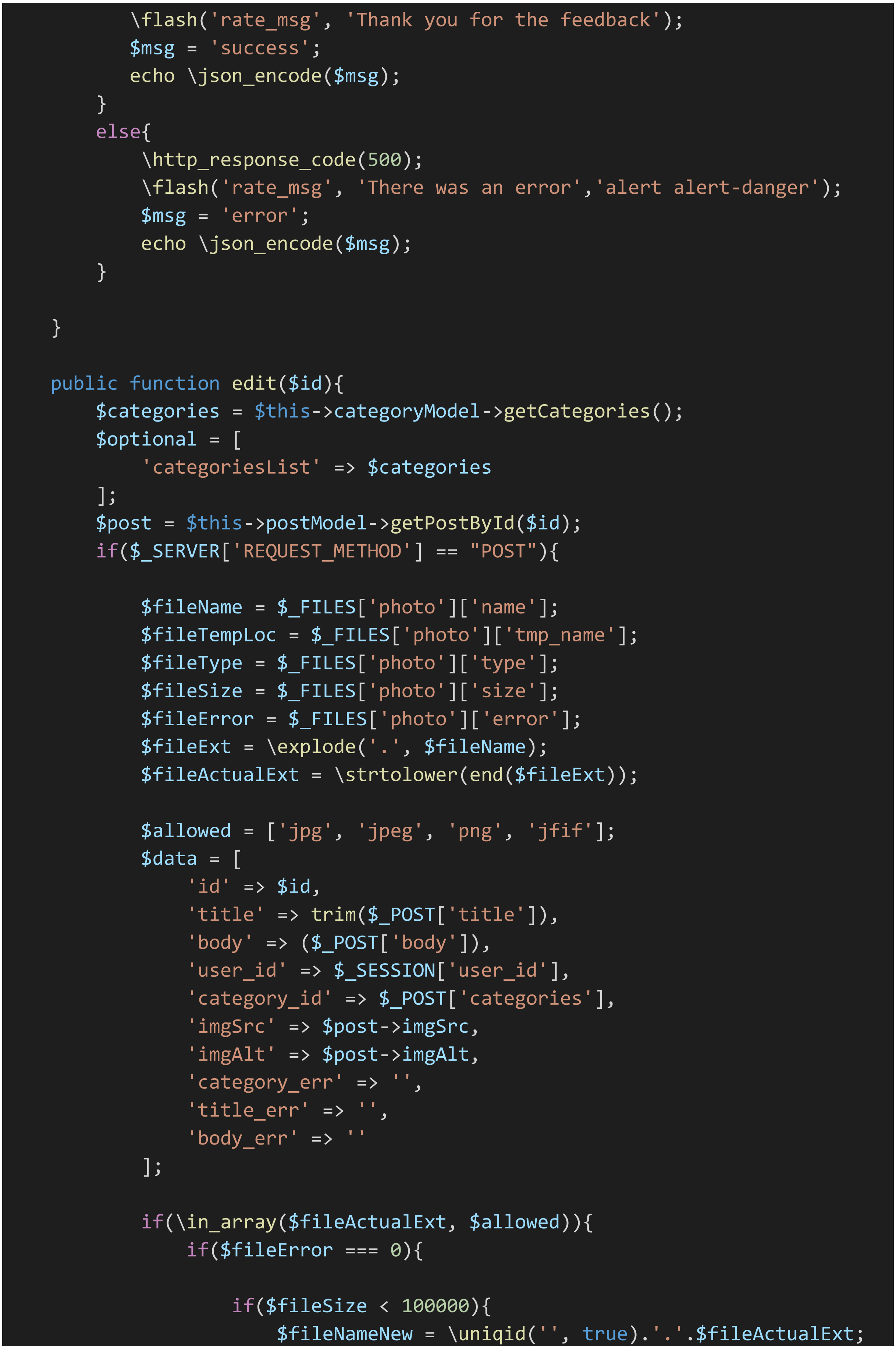
```
<?php
namespace App\Controllers;

class Posts extends Controller{

    public function __construct(){

        if(!isset($_SESSION['user_id'])){
            redirect('users/login');
        }

        $this->postModel = $this->model('Post');
        $this->categoryModel = $this->model('Category');
        $this->userModel = $this->model('User');
    }

    public function index(){

        $id = $_SESSION['user_id'];
        $posts = $this->postModel->getUserPosts($id);
        $data = [
            'posts' => $posts
        ];

        $this->view('posts/index', $data);
    }

    public function add(){
        $categories = $this->categoryModel->getCategories();
        $optional = [
            'categoriesList' => $categories
        ];
        if($_SERVER['REQUEST_METHOD'] == "POST"){

           $fileName = $_FILES['photo']['name'];
           $fileTempLoc = $_FILES['photo']['tmp_name'];
           $fileType = $_FILES['photo']['type'];
           $fileSize = $_FILES['photo']['size'];
           $fileError = $_FILES['photo']['error'];
           $fileExt = \explode('.', $fileName);
           $fileActualExt = \strtolower(end($fileExt));

           $allowed = ['jpg', 'jpeg', 'png', 'jfif'];

            $data = [
                'title' => trim($_POST['title']),
                'body' => $_POST['body'],
                'user_id' => $_SESSION['user_id'],
                'category_id' => $_POST['categories'],
                'imgSrc' => $fileName,
                'imgAlt' => trim($_POST['title']),
                'img_err' => '',
                'category_err' => '',
                'title_err' => '',
                'body_err' => ''

            ];
            if(\in_array($fileActualExt, $allowed)){
                if($fileError === 0){

                    if($fileSize < 100000){
                        $fileNameNew = \uniqid('', true).'.'.$fileActualExt;
                        $data['imgSrc'] = URLROOT.'/public/img/uploads/'.$file
NameNew;
                        $fileDestination = $_SERVER['DOCUMENT_ROOT']."/mojSajt
/public/img/uploads/".$fileNameNew;
                        \move_uploaded_file($fileTempLoc, $fileDestination);
                    }
                    else{
                        $data['img_err'] = "Your file is too big";
                    }
                }
                else{
                    $data['img_err'] = "There was an error while uploading ima
ge file";
                }
            }
            else{
                $data['img_err'] = "This file type is not allowed";
            }
            if(empty($data['title'])){
                $data['title_err'] = "Please enter title";
            }
```



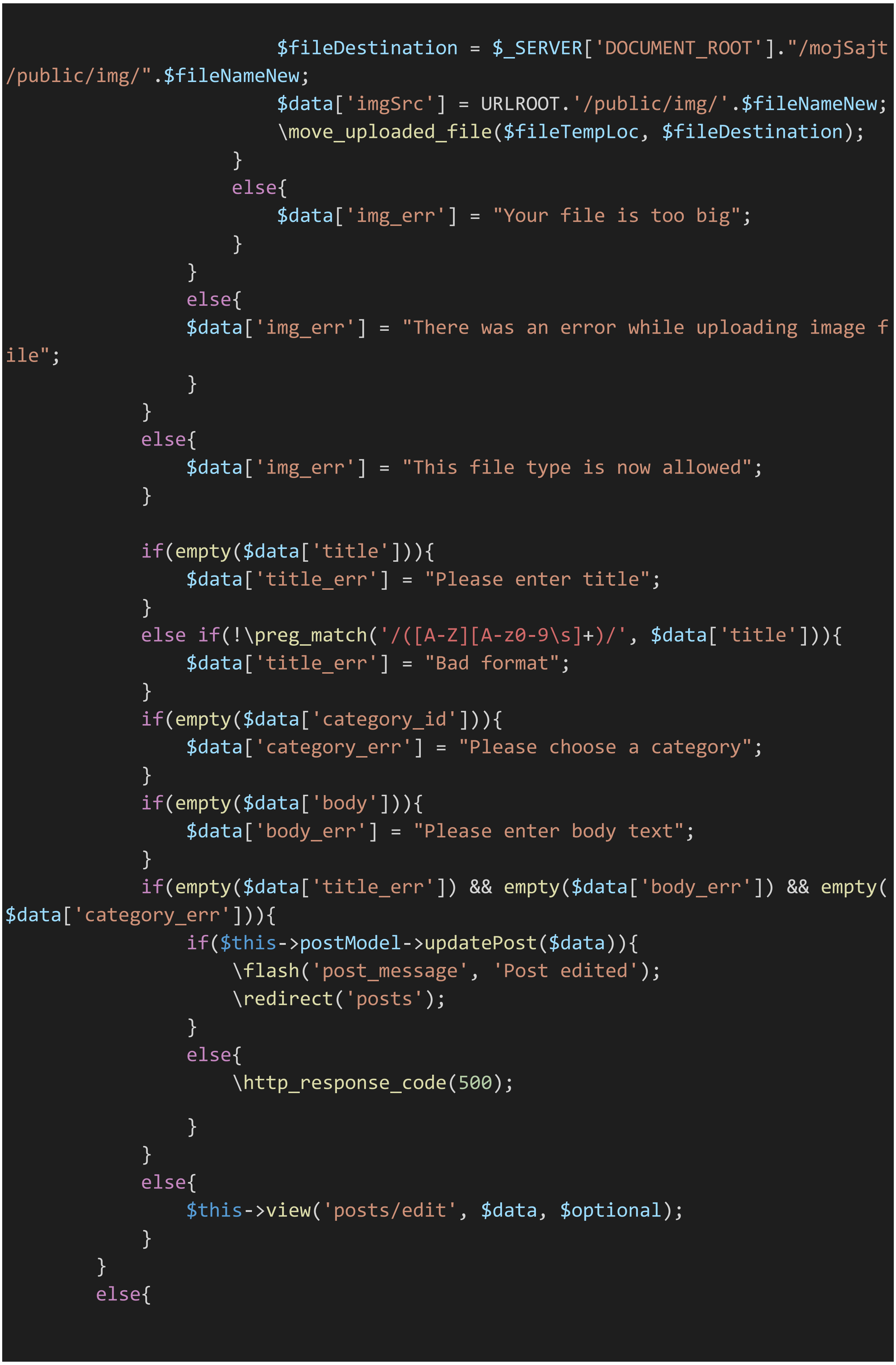
```
            else if(!\preg_match('/([A-Z][A-z0-9\s]+)/', $data['title'])){
                $data['title_err'] = "Bad format";
            }
            if(empty($data['category_id'])){
                $data['category_err'] = "Please choose a category";
            }
            if(empty($data['body'])){
                $data['body_err'] = "Please enter body text";
            }
            if(empty($fileName)){
                $data['img_err'] = "Please choose an image for your post";
            }
            if(empty($data['title_err']) && empty($data['body_err']) && empty(
$data['category_err']) && empty($data['img_err'])){

                if($this->postModel->addPost($data)){
                    \http_response_code(201);
                    \flash('post_message', 'Post added');
                     \redirect('posts');
                }
                else{

                    \http_response_code(500);
                    die('Something went wrong');
                    //status code
                }
            }
            else{

                    $this->view('posts/add', $data, $optional);
            }
        }
        else{
            $data = [
                'title' => '',
                'body' => ''
            ];

            $this->view('posts/add', $data, $optional);
        }
    }

    public function show($id){
        $post = $this->postModel->getPostById($id);
        $user = $this->userModel->getUserById($post->user_id);
        $userRatedPosts = $this->postModel-
>userRatedPosts($_SESSION['user_id']);
```



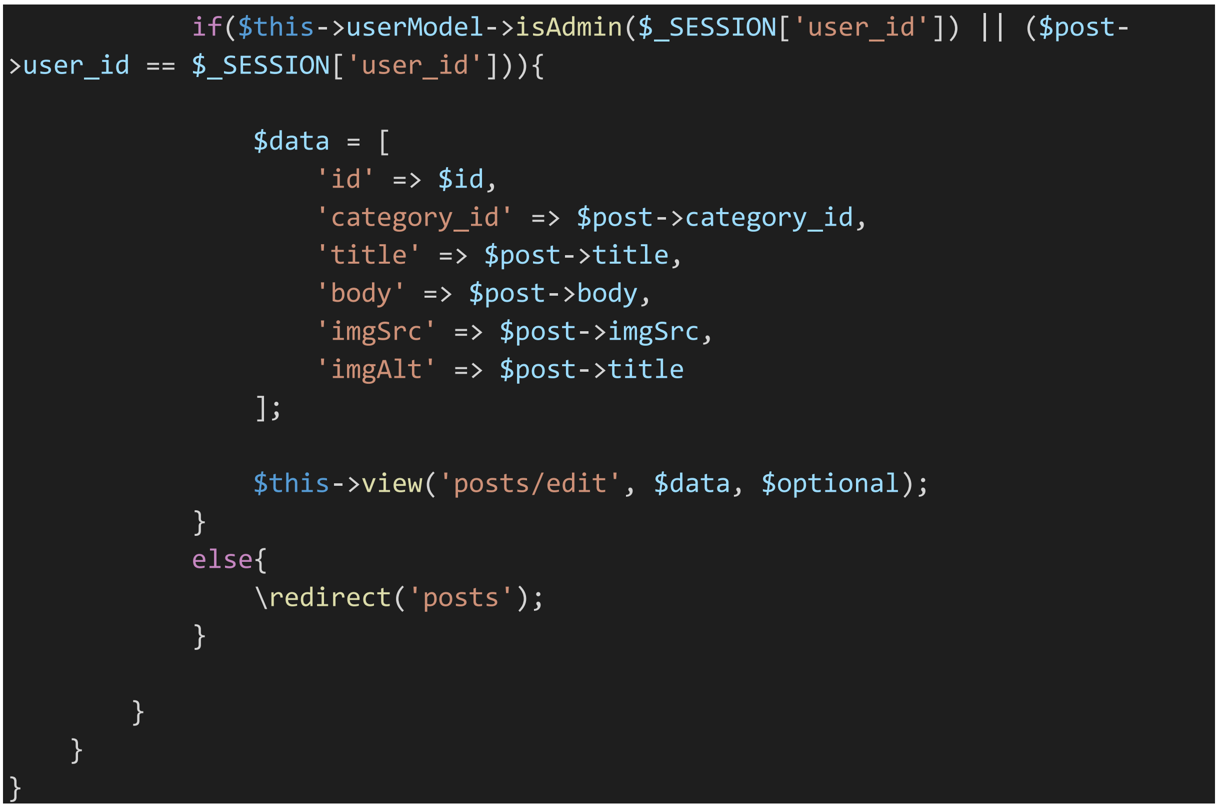
```
        $data = [
            'post' => $post,
            'user' => $user,
            'thisPostValue' => ''
        ];
        foreach($userRatedPosts as $post){
            if($id == json_encode((int)$post->post_id)){
                $thisPostValue = $post->rated_value;
                $data['thisPostValue'] = $thisPostValue;
            }
        }

        $this->view('posts/show', $data);
    }

    public function delete($id){

        if($this->postModel->deletePost($id)){
            $dir = explode('\\',__DIR__);
            $dir = end($dir);
            if($dir == 'admin'){
                \flash('adminpost_message', "Post deleted");
                \redirect('admin');
            }
            \flash('post_message', "Post deleted");
            \redirect('posts');
        }else{
            //status code
            die('Something went wrong');
        }

    }

    public function ratepost(){

        $postId = $_POST['id'];
        $userId = $_SESSION['user_id'];
        $ratedValue = $_POST['ratedValue'];

        $data = [
            'postId' => $postId,
            'userId' => $userId,
            'ratedValue' => $ratedValue
        ];

        if($this->postModel->ratingPost($data)){
            \http_response_code(201);
            $_SESSION['userRatedPosts'][] = (int)$postId;
```



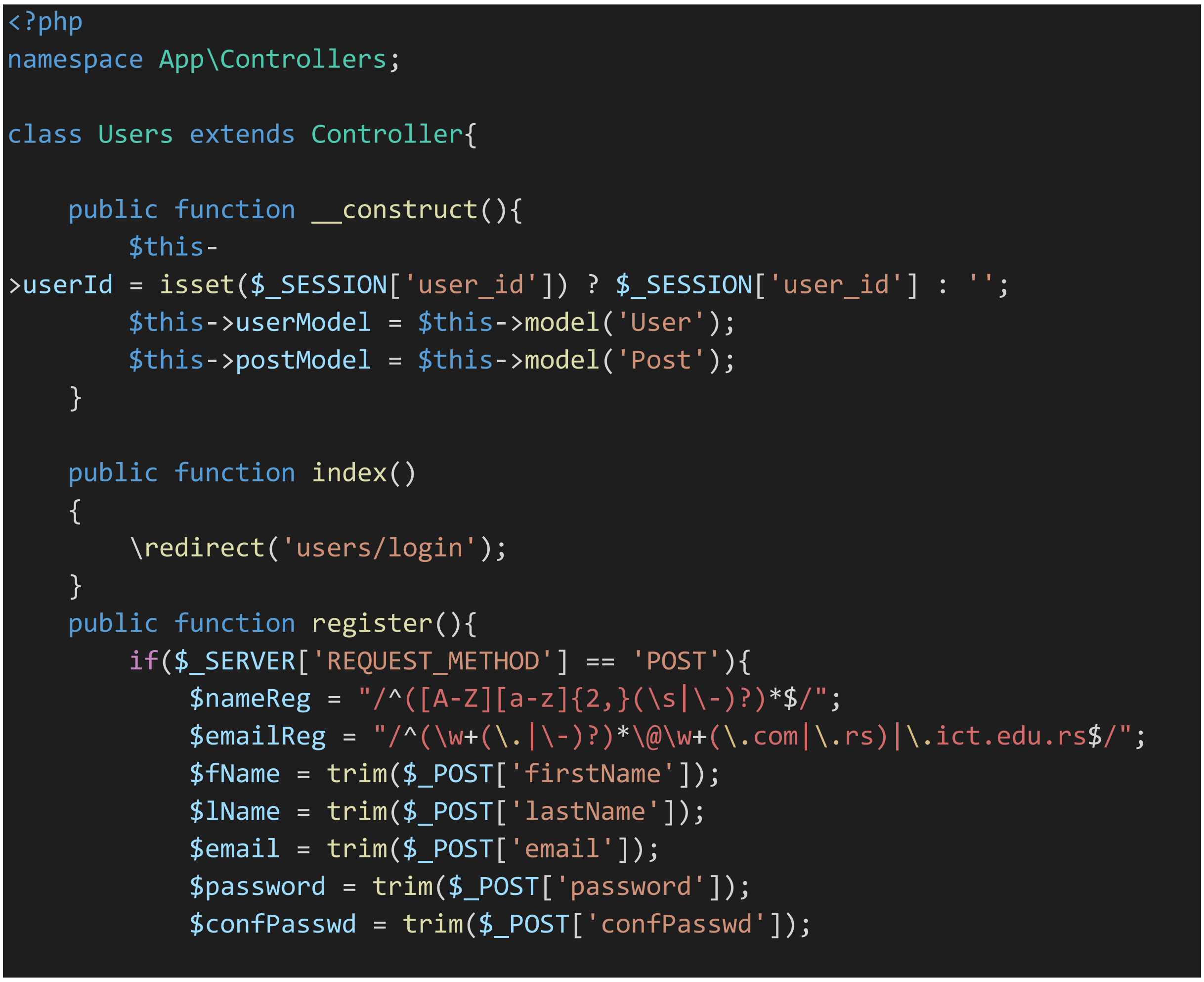
```
           \flash('rate_msg', 'Thank you for the feedback');
           $msg = 'success';
           echo \json_encode($msg);
        }
        else{
            \http_response_code(500);
            \flash('rate_msg', 'There was an error','alert alert-danger');
            $msg = 'error';
            echo \json_encode($msg);
        }

    }

    public function edit($id){
        $categories = $this->categoryModel->getCategories();
        $optional = [
            'categoriesList' => $categories
        ];
        $post = $this->postModel->getPostById($id);
        if($_SERVER['REQUEST_METHOD'] == "POST"){

            $fileName = $_FILES['photo']['name'];
            $fileTempLoc = $_FILES['photo']['tmp_name'];
            $fileType = $_FILES['photo']['type'];
            $fileSize = $_FILES['photo']['size'];
            $fileError = $_FILES['photo']['error'];
            $fileExt = \explode('.', $fileName);
            $fileActualExt = \strtolower(end($fileExt));

            $allowed = ['jpg', 'jpeg', 'png', 'jfif'];
            $data = [
                'id' => $id,
                'title' => trim($_POST['title']),
                'body' => ($_POST['body']),
                'user_id' => $_SESSION['user_id'],
                'category_id' => $_POST['categories'],
                'imgSrc' => $post->imgSrc,
                'imgAlt' => $post->imgAlt,
                'category_err' => '',
                'title_err' => '',
                'body_err' => ''
            ];

            if(\in_array($fileActualExt, $allowed)){
                if($fileError === 0){

                    if($fileSize < 100000){
                        $fileNameNew = \uniqid('', true).'.'.$fileActualExt;
```



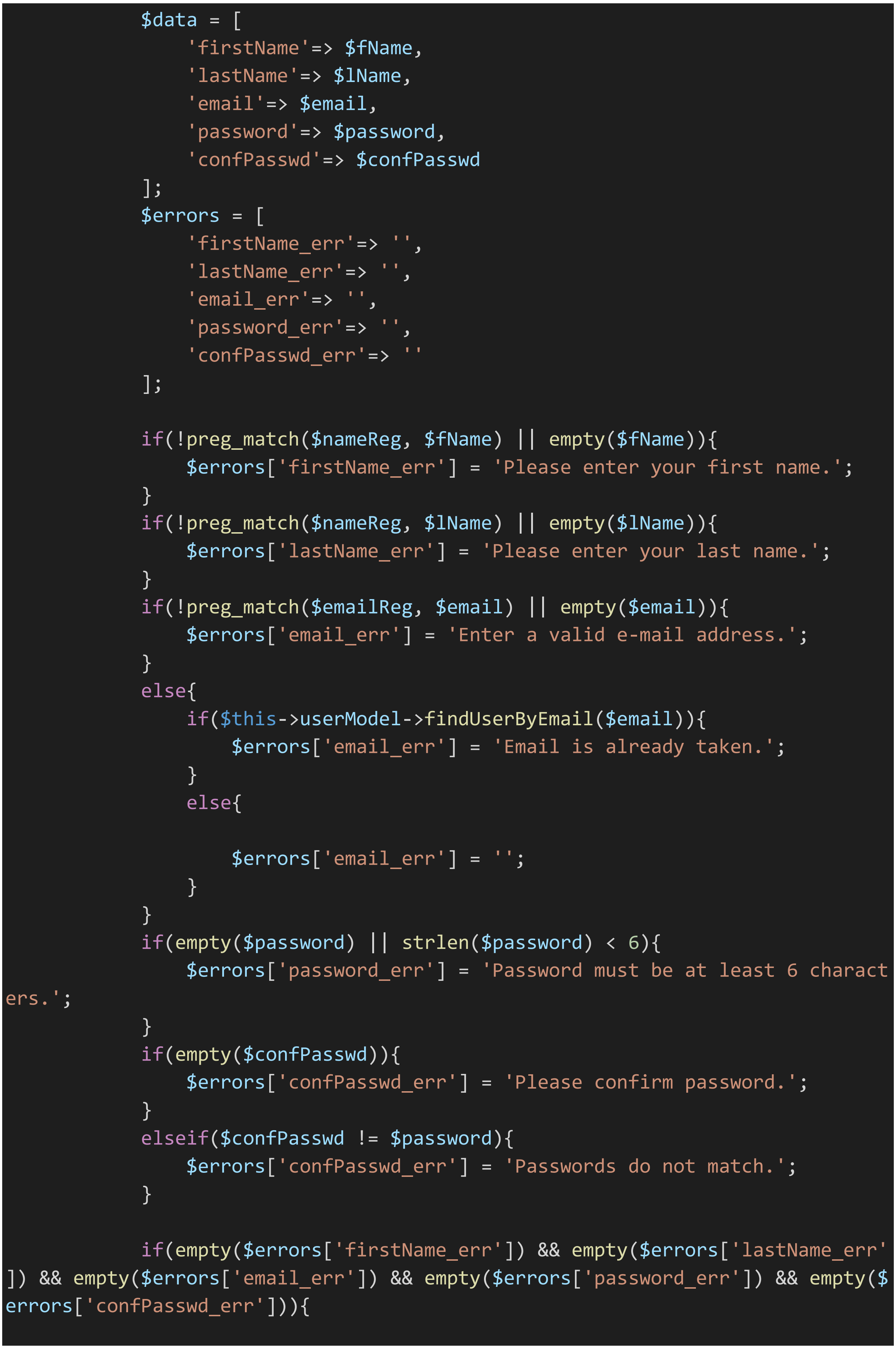
```
                        $fileDestination = $_SERVER['DOCUMENT_ROOT']."/mojSajt
/public/img/".$fileNameNew;
                        $data['imgSrc'] = URLROOT.'/public/img/'.$fileNameNew;
                        \move_uploaded_file($fileTempLoc, $fileDestination);
                    }
                    else{
                        $data['img_err'] = "Your file is too big";
                    }
                }
                else{
                $data['img_err'] = "There was an error while uploading image f
ile";
                }
            }
            else{
                $data['img_err'] = "This file type is now allowed";
            }

            if(empty($data['title'])){
                $data['title_err'] = "Please enter title";
            }
            else if(!\preg_match('/([A-Z][A-z0-9\s]+)/', $data['title'])){
                $data['title_err'] = "Bad format";
            }
            if(empty($data['category_id'])){
                $data['category_err'] = "Please choose a category";
            }
            if(empty($data['body'])){
                $data['body_err'] = "Please enter body text";
            }
            if(empty($data['title_err']) && empty($data['body_err']) && empty(
$data['category_err'])){
                if($this->postModel->updatePost($data)){
                    \flash('post_message', 'Post edited');
                    \redirect('posts');
                }
                else{
                    \http_response_code(500);

                }
            }
            else{
                $this->view('posts/edit', $data, $optional);
            }
        }
        else{
```



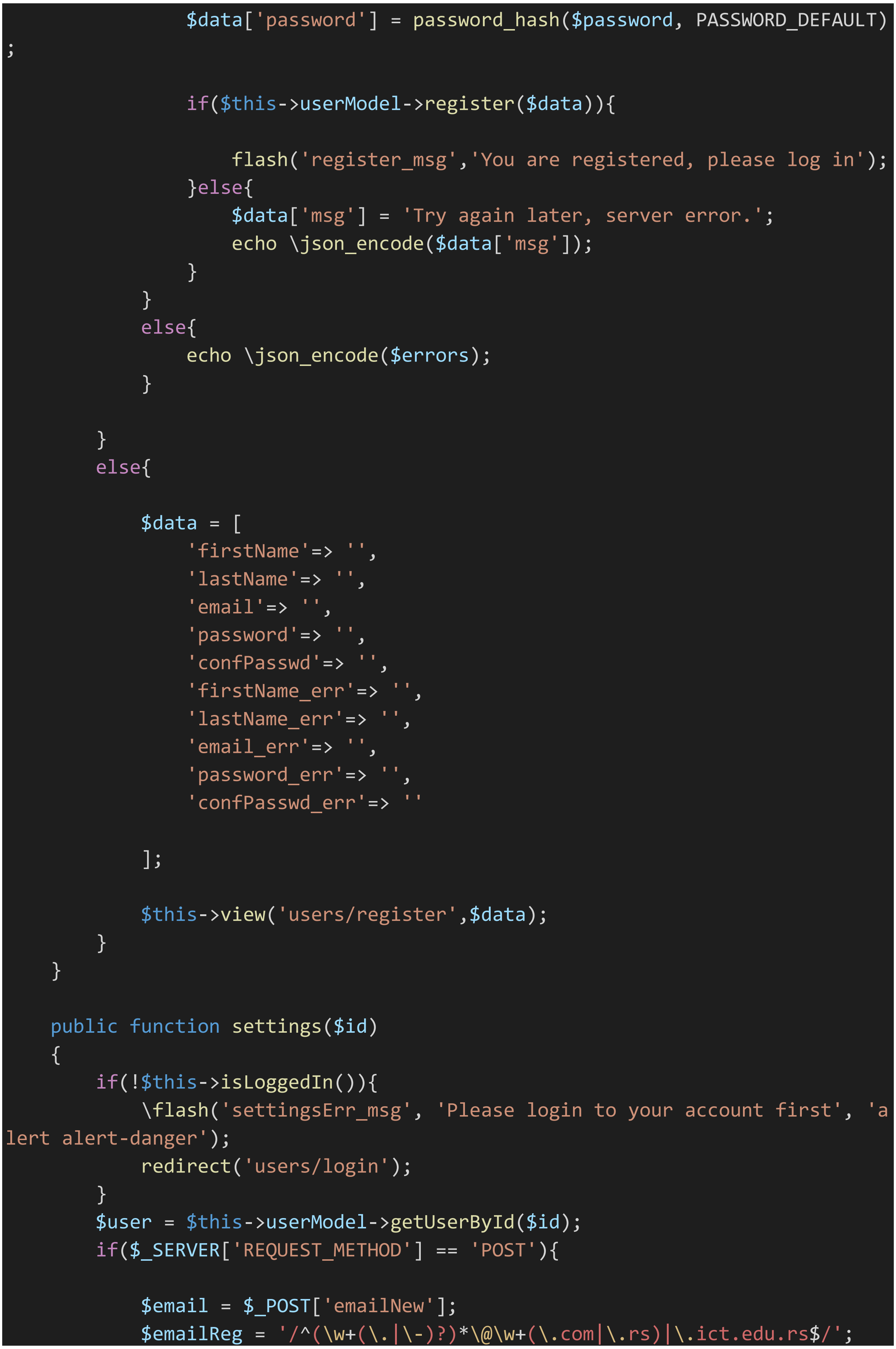
```
            if($this->userModel->isAdmin($_SESSION['user_id']) || ($post-
>user_id == $_SESSION['user_id'])){

                $data = [
                    'id' => $id,
                    'category_id' => $post->category_id,
                    'title' => $post->title,
                    'body' => $post->body,
                    'imgSrc' => $post->imgSrc,
                    'imgAlt' => $post->title
                ];

                $this->view('posts/edit', $data, $optional);
            }
            else{
                \redirect('posts');
            }

        }
    }
}
```



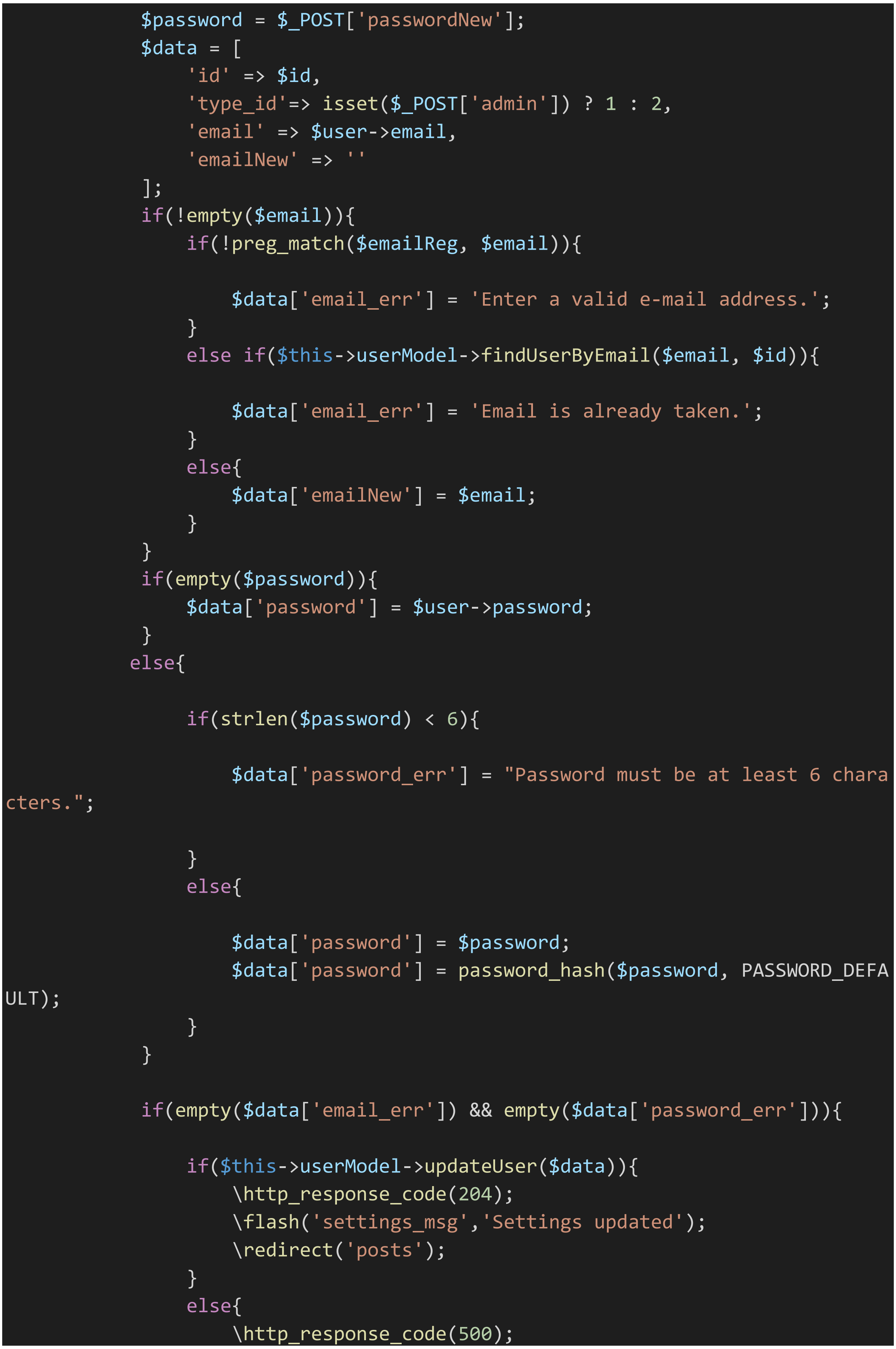
```
<?php
namespace App\Controllers;

class Users extends Controller{

    public function __construct(){
        $this-
>userId = isset($_SESSION['user_id']) ? $_SESSION['user_id'] : '';
        $this->userModel = $this->model('User');
        $this->postModel = $this->model('Post');
    }

    public function index()
    {
        \redirect('users/login');
    }
    public function register(){
        if($_SERVER['REQUEST_METHOD'] == 'POST'){
            $nameReg = "/^([A-Z][a-z]{2,}(\s|\-)?)*$/";
            $emailReg = "/^(\w+(\.|\-)?)*\@\w+(\.com|\.rs)|\.ict.edu.rs$/";
            $fName = trim($_POST['firstName']);
            $lName = trim($_POST['lastName']);
            $email = trim($_POST['email']);
            $password = trim($_POST['password']);
            $confPasswd = trim($_POST['confPasswd']);
```



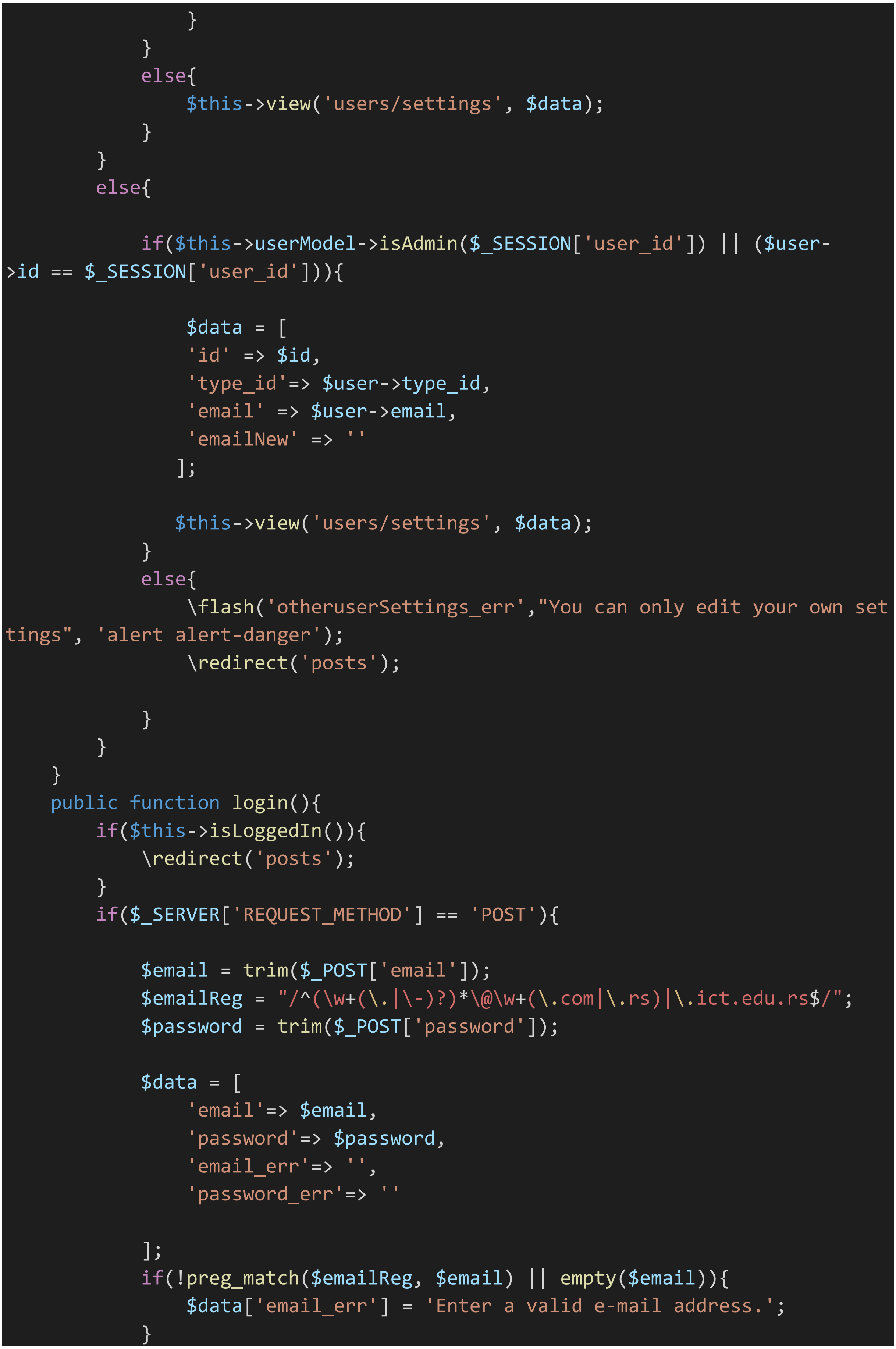
```
            $data = [
                'firstName'=> $fName,
                'lastName'=> $lName,
                'email'=> $email,
                'password'=> $password,
                'confPasswd'=> $confPasswd
            ];
            $errors = [
                'firstName_err'=> '',
                'lastName_err'=> '',
                'email_err'=> '',
                'password_err'=> '',
                'confPasswd_err'=> ''
            ];

            if(!preg_match($nameReg, $fName) || empty($fName)){
                $errors['firstName_err'] = 'Please enter your first name.';
            }
            if(!preg_match($nameReg, $lName) || empty($lName)){
                $errors['lastName_err'] = 'Please enter your last name.';
            }
            if(!preg_match($emailReg, $email) || empty($email)){
                $errors['email_err'] = 'Enter a valid e-mail address.';
            }
            else{
                if($this->userModel->findUserByEmail($email)){
                    $errors['email_err'] = 'Email is already taken.';
                }
                else{

                    $errors['email_err'] = '';
                }
            }
            if(empty($password) || strlen($password) < 6){
                $errors['password_err'] = 'Password must be at least 6 charact
ers.';
            }
            if(empty($confPasswd)){
                $errors['confPasswd_err'] = 'Please confirm password.';
            }
            elseif($confPasswd != $password){
                $errors['confPasswd_err'] = 'Passwords do not match.';
            }

            if(empty($errors['firstName_err']) && empty($errors['lastName_err'
]) && empty($errors['email_err']) && empty($errors['password_err']) && empty($
errors['confPasswd_err'])){
```



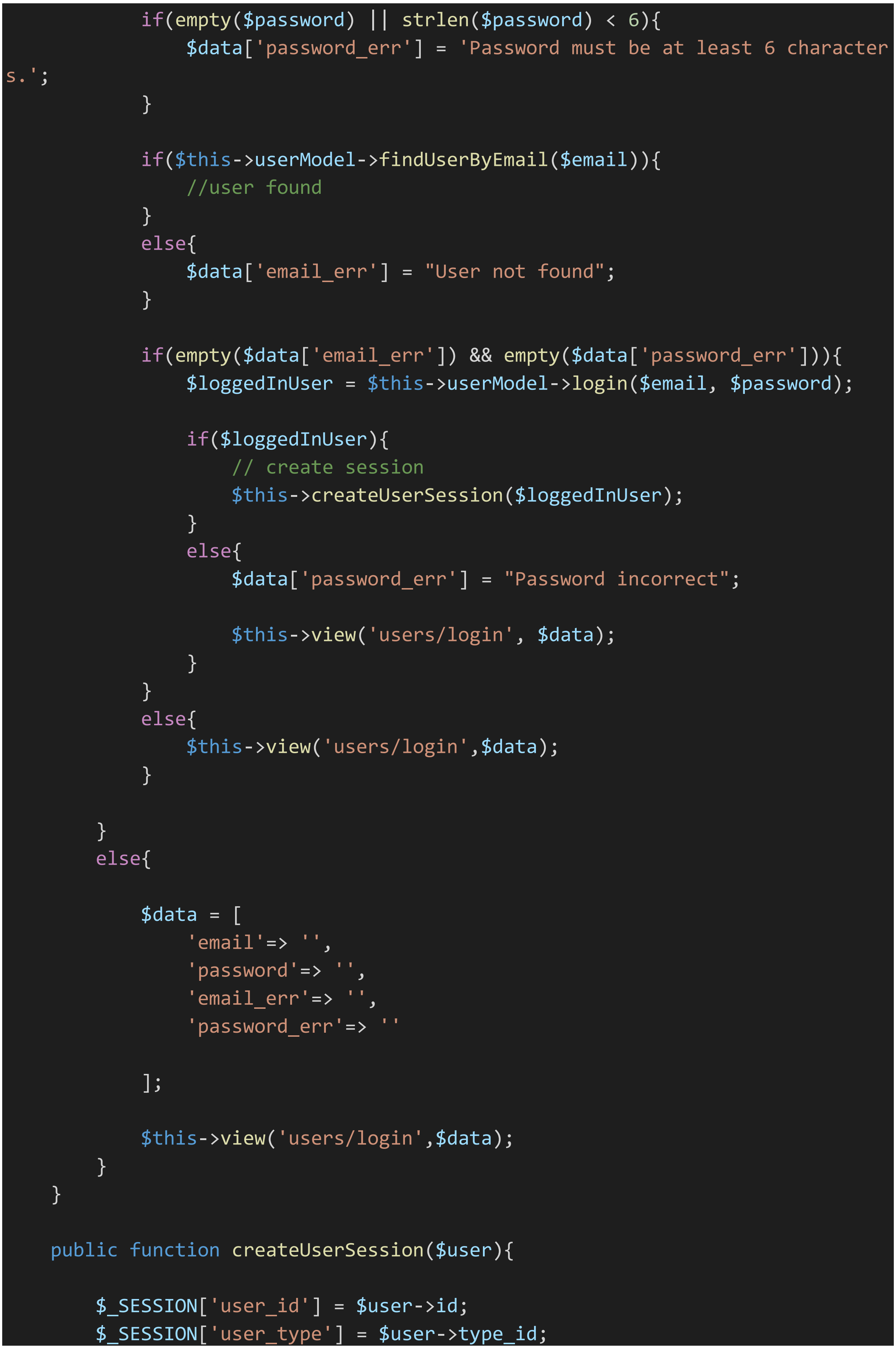
```
                $data['password'] = password_hash($password, PASSWORD_DEFAULT)
;

                if($this->userModel->register($data)){

                    flash('register_msg','You are registered, please log in');
                }else{
                    $data['msg'] = 'Try again later, server error.';
                    echo \json_encode($data['msg']);
                }
            }
            else{
                echo \json_encode($errors);
            }

        }
        else{

            $data = [
                'firstName'=> '',
                'lastName'=> '',
                'email'=> '',
                'password'=> '',
                'confPasswd'=> '',
                'firstName_err'=> '',
                'lastName_err'=> '',
                'email_err'=> '',
                'password_err'=> '',
                'confPasswd_err'=> ''

            ];

            $this->view('users/register',$data);
        }
    }

    public function settings($id)
    {
        if(!$this->isLoggedIn()){
            \flash('settingsErr_msg', 'Please login to your account first', 'a
lert alert-danger');
            redirect('users/login');
        }
        $user = $this->userModel->getUserById($id);
        if($_SERVER['REQUEST_METHOD'] == 'POST'){

            $email = $_POST['emailNew'];
            $emailReg = '/^(\w+(\.|\-)?)*\@\w+(\.com|\.rs)|\.ict.edu.rs$/';
```



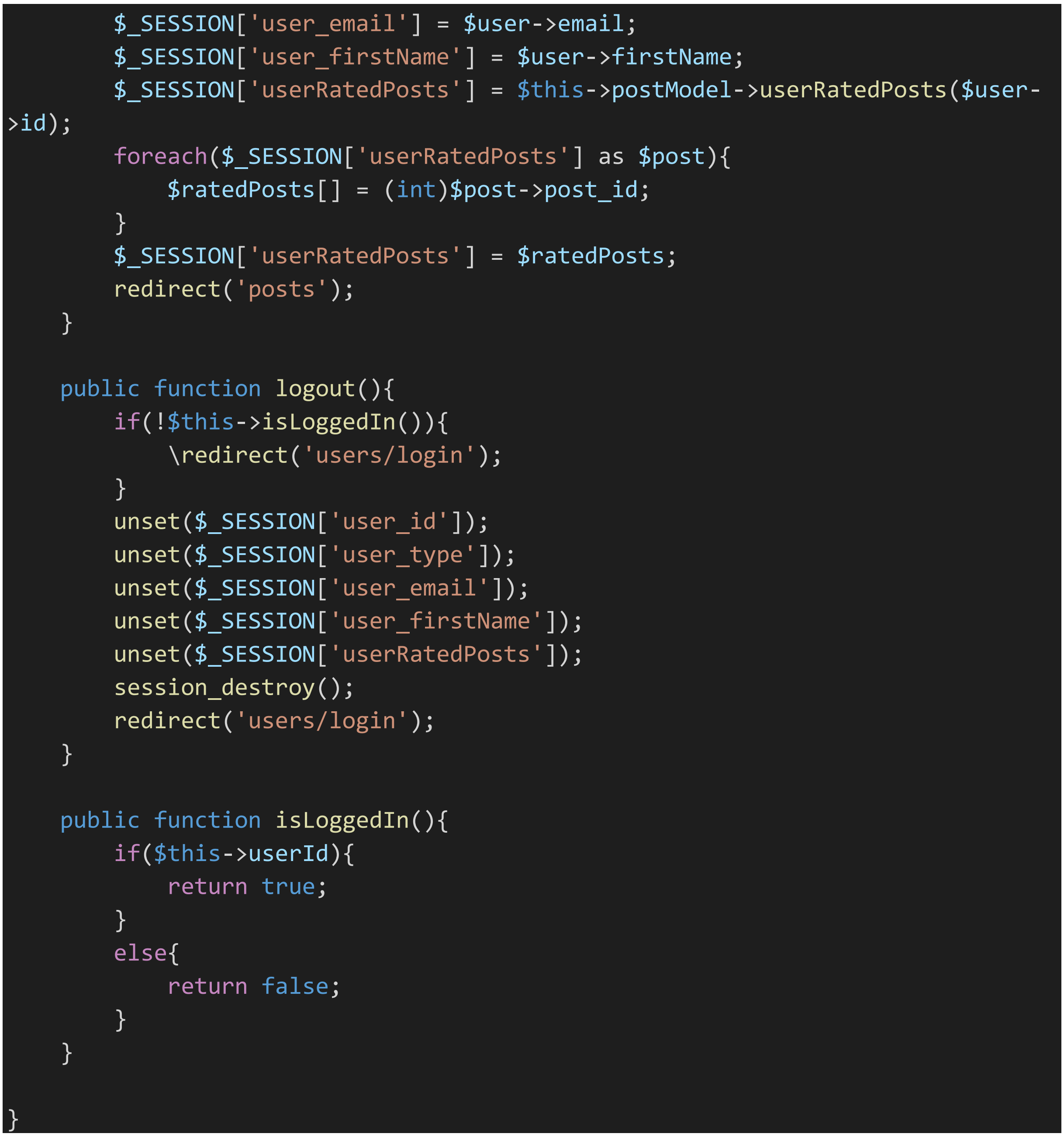
```
            $password = $_POST['passwordNew'];
            $data = [
                'id' => $id,
                'type_id'=> isset($_POST['admin']) ? 1 : 2,
                'email' => $user->email,
                'emailNew' => ''
            ];
            if(!empty($email)){
                if(!preg_match($emailReg, $email)){

                    $data['email_err'] = 'Enter a valid e-mail address.';
                }
                else if($this->userModel->findUserByEmail($email, $id)){

                    $data['email_err'] = 'Email is already taken.';
                }
                else{
                    $data['emailNew'] = $email;
                }
            }
            if(empty($password)){
                $data['password'] = $user->password;
            }
           else{

                if(strlen($password) < 6){

                    $data['password_err'] = "Password must be at least 6 chara
cters.";

                }
                else{

                    $data['password'] = $password;
                    $data['password'] = password_hash($password, PASSWORD_DEFA
ULT);
                }
            }

            if(empty($data['email_err']) && empty($data['password_err'])){

                if($this->userModel->updateUser($data)){
                    \http_response_code(204);
                    \flash('settings_msg','Settings updated');
                    \redirect('posts');
                }
                else{
                    \http_response_code(500);
```



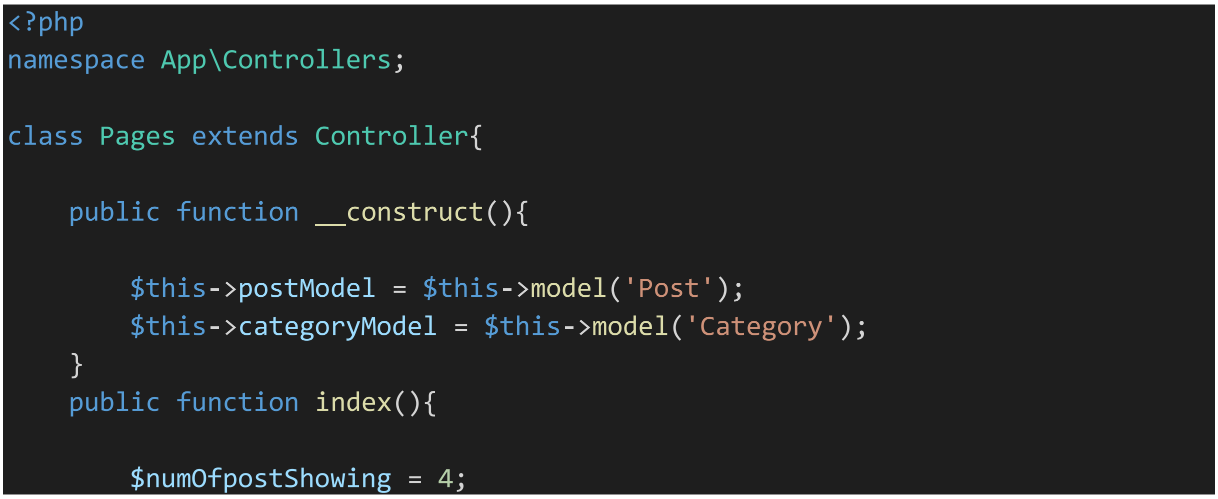
```
                }
            }
            else{
                $this->view('users/settings', $data);
            }
        }
        else{

            if($this->userModel->isAdmin($_SESSION['user_id']) || ($user-
>id == $_SESSION['user_id'])){

                $data = [
                'id'  => $id,
                'type_id'=> $user->type_id,
                'email'  => $user->email,
                'emailNew'  => ''
               ];

               $this->view('users/settings', $data);
            }
            else{
                \flash('otheruserSettings_err',"You can only edit your own set
tings", 'alert alert-danger');
                \redirect('posts');

            }
        }
    }
    public function login(){
        if($this->isLoggedIn()){
            \redirect('posts');
        }
        if($_SERVER['REQUEST_METHOD'] == 'POST'){

            $email = trim($_POST['email']);
            $emailReg = "/^(\w+(\.|\-)?)*\@\w+(\.com|\.rs)|\.ict.edu.rs$/";
            $password = trim($_POST['password']);

            $data = [
                'email'=> $email,
                'password'=> $password,
                'email_err'=> '',
                'password_err'=> ''

            ];
            if(!preg_match($emailReg, $email) || empty($email)){
                $data['email_err'] = 'Enter a valid e-mail address.';
            }
```



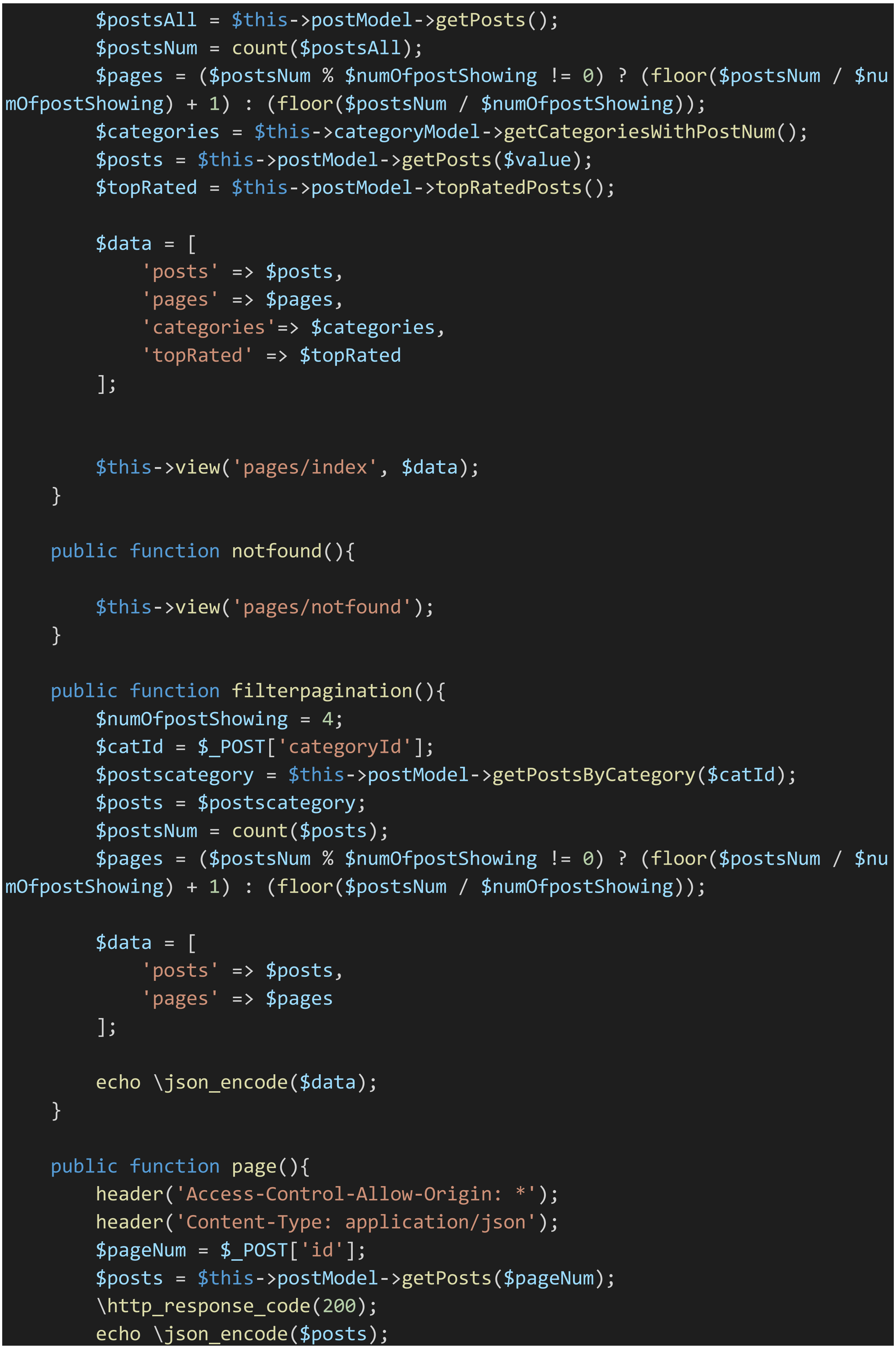
```
            if(empty($password) || strlen($password) < 6){
                $data['password_err'] = 'Password must be at least 6 character
s.';
            }

            if($this->userModel->findUserByEmail($email)){
                //user found
            }
            else{
                $data['email_err'] = "User not found";
            }

            if(empty($data['email_err']) && empty($data['password_err'])){
                $loggedInUser = $this->userModel->login($email, $password);

                if($loggedInUser){
                    // create session
                    $this->createUserSession($loggedInUser);
                }
                else{
                    $data['password_err'] = "Password incorrect";

                    $this->view('users/login', $data);
                }
            }
            else{
                $this->view('users/login',$data);
            }

        }
        else{

            $data = [
                'email'=> '',
                'password'=> '',
                'email_err'=> '',
                'password_err'=> ''

            ];

            $this->view('users/login',$data);
        }
    }

    public function createUserSession($user){

        $_SESSION['user_id'] = $user->id;
        $_SESSION['user_type'] = $user->type_id;
```



```
        $_SESSION['user_email'] = $user->email;
        $_SESSION['user_firstName'] = $user->firstName;
        $_SESSION['userRatedPosts'] = $this->postModel->userRatedPosts($user-
>id);
        foreach($_SESSION['userRatedPosts'] as $post){
            $ratedPosts[] = (int)$post->post_id;
        }
        $_SESSION['userRatedPosts'] = $ratedPosts;
        redirect('posts');
    }

    public function logout(){
        if(!$this->isLoggedIn()){
            \redirect('users/login');
        }
        unset($_SESSION['user_id']);
        unset($_SESSION['user_type']);
        unset($_SESSION['user_email']);
        unset($_SESSION['user_firstName']);
        unset($_SESSION['userRatedPosts']);
        session_destroy();
        redirect('users/login');
    }

    public function isLoggedIn(){
        if($this->userId){
            return true;
        }
        else{
            return false;
        }
    }

}
```



```
<?php
namespace App\Controllers;

class Pages extends Controller{

    public function __construct(){

        $this->postModel = $this->model('Post');
        $this->categoryModel = $this->model('Category');
    }
    public function index(){

        $numOfpostShowing = 4;
```



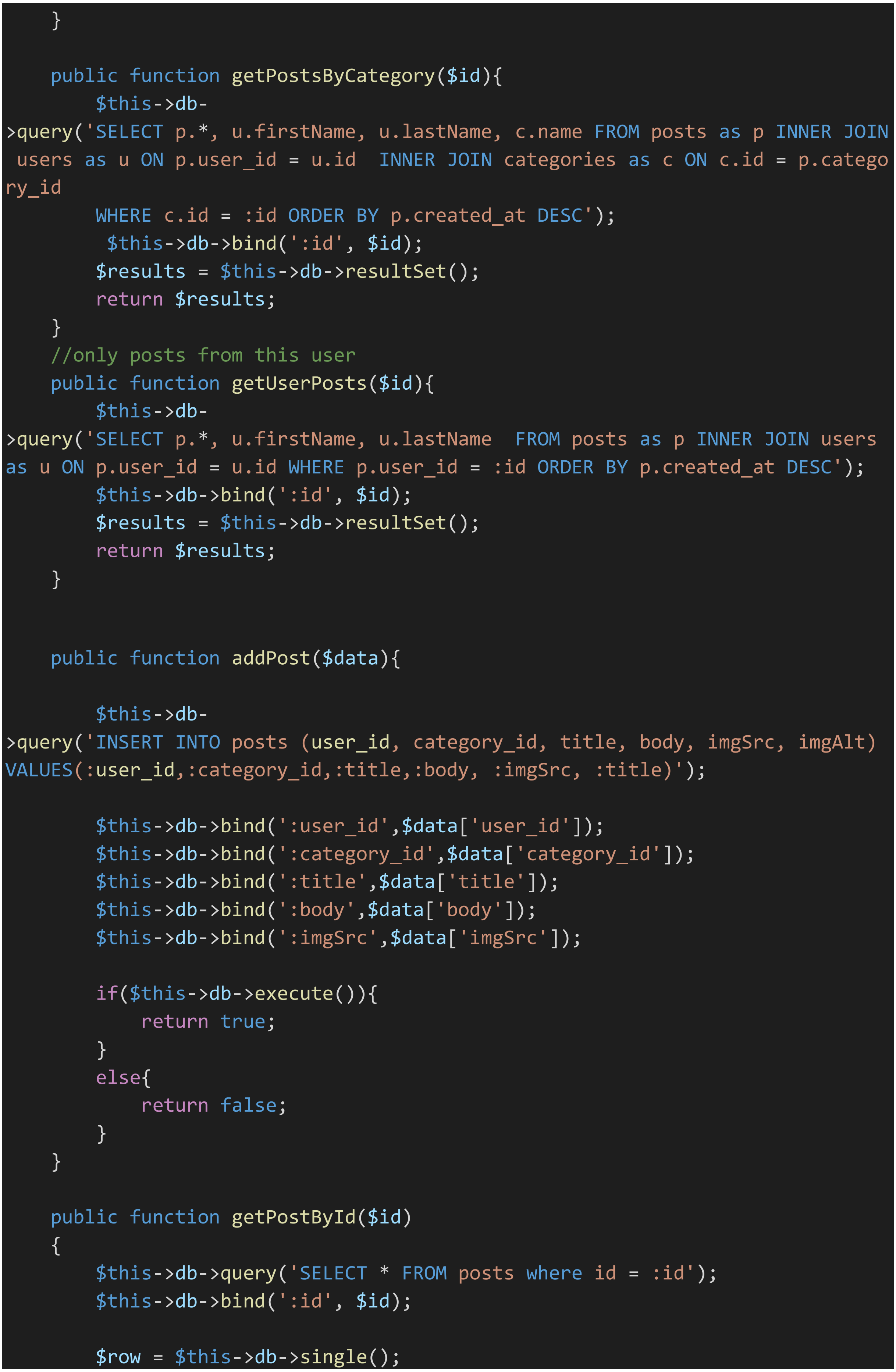
```
        $postsAll = $this->postModel->getPosts();
        $postsNum = count($postsAll);
        $pages = ($postsNum % $numOfpostShowing != 0) ? (floor($postsNum / $nu
mOfpostShowing) + 1) : (floor($postsNum / $numOfpostShowing));
        $categories = $this->categoryModel->getCategoriesWithPostNum();
        $posts = $this->postModel->getPosts($value);
        $topRated = $this->postModel->topRatedPosts();

        $data = [
            'posts' => $posts,
            'pages' => $pages,
            'categories'=> $categories,
            'topRated' => $topRated
        ];


        $this->view('pages/index', $data);
    }

    public function notfound(){

        $this->view('pages/notfound');
    }

    public function filterpagination(){
        $numOfpostShowing = 4;
        $catId = $_POST['categoryId'];
        $postscategory = $this->postModel->getPostsByCategory($catId);
        $posts = $postscategory;
        $postsNum = count($posts);
        $pages = ($postsNum % $numOfpostShowing != 0) ? (floor($postsNum / $nu
mOfpostShowing) + 1) : (floor($postsNum / $numOfpostShowing));

        $data = [
            'posts' => $posts,
            'pages' => $pages
        ];

        echo \json_encode($data);
    }

    public function page(){
        header('Access-Control-Allow-Origin: *');
        header('Content-Type: application/json');
        $pageNum = $_POST['id'];
        $posts = $this->postModel->getPosts($pageNum);
        \http_response_code(200);
        echo \json_encode($posts);
```

```php
    }

    public function search()
    {
        header('Access-Control-Allow-Origin: *');
        header('Content-Type: application/json');
        $content = $_POST['content'];
        $posts = $this->postModel->searchPosts($content);
        \http_response_code(200);
        echo \json_encode($posts);
    }

}
```

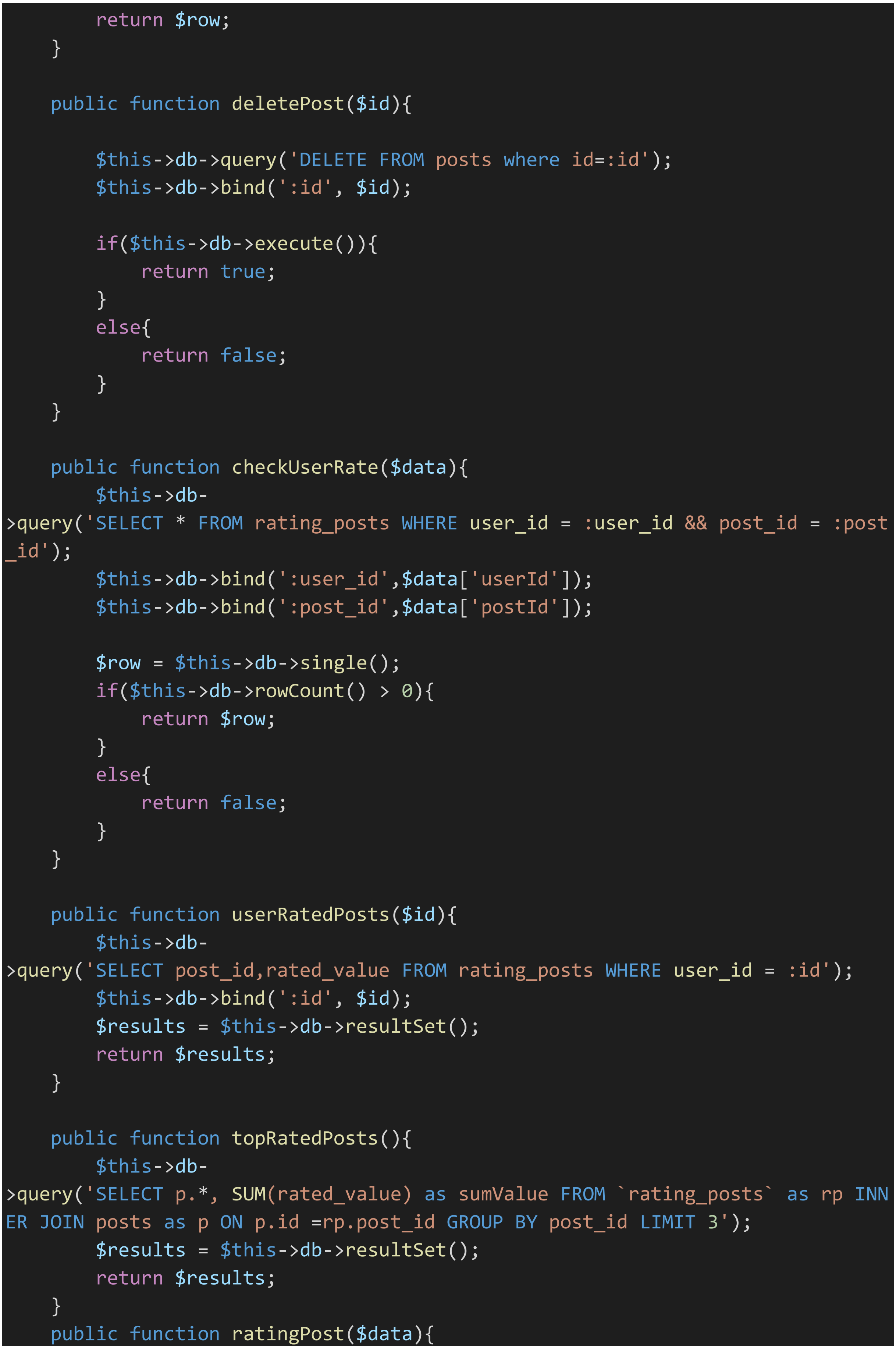
1.4.3 Models

```php
<?php
namespace App\Models;
use App\Core\Database;
class User{

    private $db;

    public function __construct(){
        $this->db = Database::getInstance();
    }

    public function register($data){
        $this->db-
>query('INSERT INTO users (password,email,lastName,firstName) VALUES(:password
,:email,:lastName,:firstName)');
        $this->db->bind(':password',$data['password']);
        $this->db->bind(':email',$data['email']);
        $this->db->bind(':lastName',$data['lastName']);
        $this->db->bind(':firstName',$data['firstName']);

        if($this->db->execute()){
            return true;
        }
        else{
            return false;
        }
    }

    public function login($email, $password){
        $row = $this->findUserByEmail($email);

        $hashedPassword = $row->password;
        if(password_verify($password, $hashedPassword)){
            return $row;
        }
        else{
            return false;
        }
    }

    public function findUserByEmail($email, $id=''){

        if(!empty($id)){
            $this->db-
>query('SELECT * FROM users WHERE email = :email AND id<>:id');
            $this->db->bind(':email',$email);
            $this->db->bind(':id',$id);
        }
        else{
            $this->db->query('SELECT * FROM users WHERE email = :email');
            $this->db->bind(':email',$email);
        }

        $row = $this->db->single();
        if($this->db->rowCount() > 0){
            return $row;
        }
        else{
            return false;
        }
    }

    public function updateUser($data)
    {
        $this->db-
>query('UPDATE users SET email=:email, password=:password, type_id=:type_id WH
ERE id=:id');

        $this->db->bind(':id',$data['id']);
        $this->db->bind(':type_id',$data['type_id']);
        $this->db-
>bind(':email',(!empty($data['emailNew']) ? $data['emailNew'] : $data['email']
));
        $this->db->bind(':password',$data['password']);

        if($this->db->execute()){
            return true;
        }
        else{
            return false;
        }
    }

    public function getUserById($id)
    {
        $this->db->query('SELECT * FROM users where id = :id');
        $this->db->bind(':id', $id);

        $row = $this->db->single();
        return $row;
    }

    public function isAdmin($id){

        $user = $this->getUserById($id);

        if($user->type_id == 1){
            return true;
        }
        else{
            return false;
        }
    }

    public function getAllUsers()
    {
        $this->db-
>query('SELECT u.*, ut.name FROM users as u INNER JOIN user_type as ut ON ut.i
d = u.type_id');

        $row = $this->db->resultSet();
        return $row;

    }

    public function deleteUser($id){

        $this->db->query('DELETE FROM users where id=:id AND type_id!=1');
        $this->db->bind(':id', $id);

        if($this->db->execute()){
            return true;
        }
        else{
            return false;
        }
    }

}
```

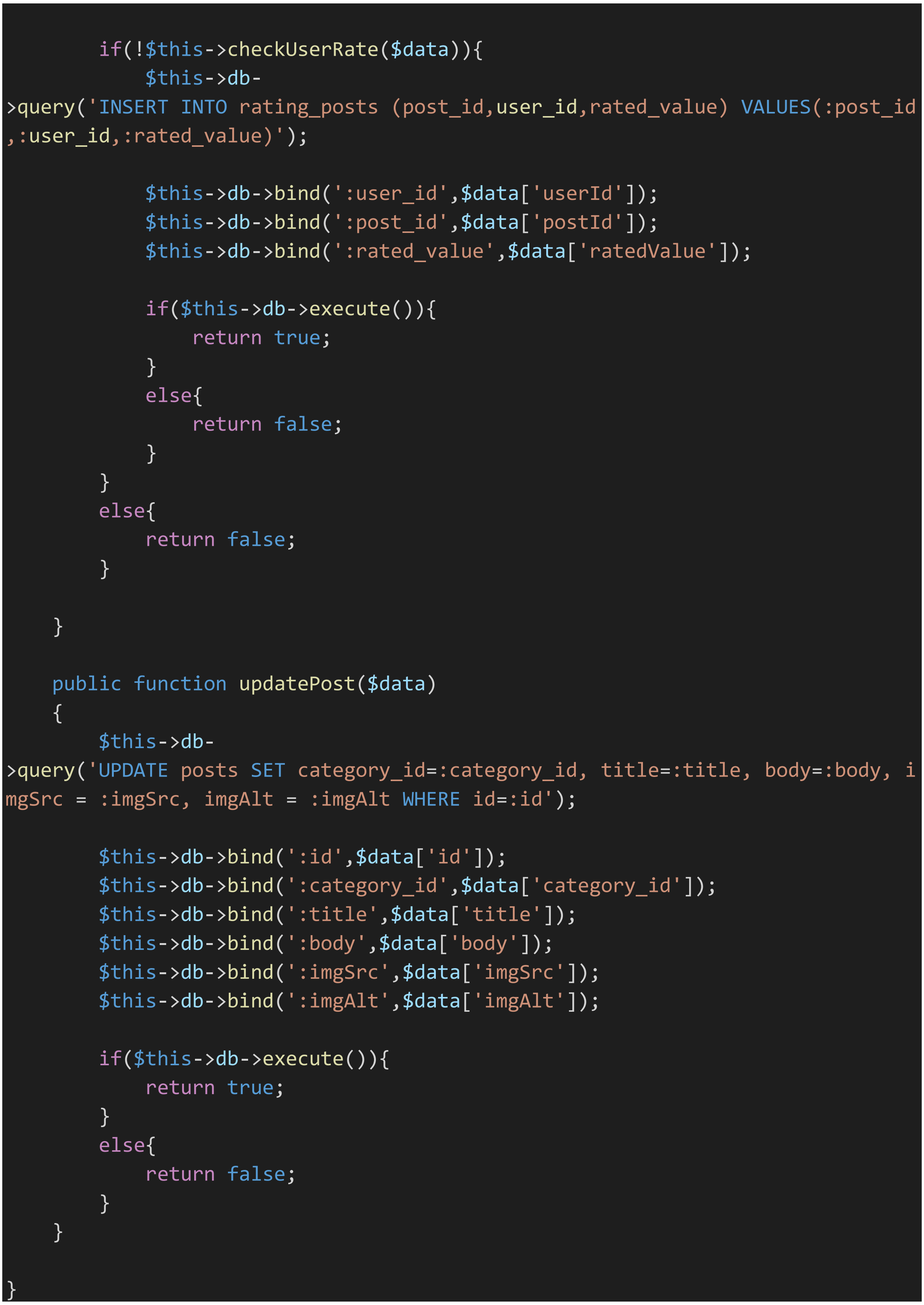
```
<?php
namespace App\Models;
use App\Core\Database;
class Post{

    private $db;

    public function __construct(){
        $this->db = Database::getInstance();
    }

    public function getPosts($pageNum = 0, $bodyPart = 0){
        if(!empty($pageNum)){
            $start = ($pageNum - 1) * 4;
            $this->db-
>query("SELECT p.*, u.firstName, u.lastName, c.name  FROM posts as p INNER JOI
N users as u ON p.user_id = u.id INNER JOIN categories as c ON c.id = p.catego
ry_id ORDER BY p.created_at DESC LIMIT :start, 4");
            $this->db->bind(':start', $start);
        }
        else{
             $this->db-
>query('SELECT p.*, u.firstName, u.lastName, c.name FROM posts as p INNER JOIN
 users as u ON p.user_id = u.id  INNER JOIN categories as c ON c.id = p.catego
ry_id ORDER BY p.created_at DESC');
        }
        $results = $this->db->resultSet();
        return $results;
    }

    public function searchPosts($content)
    {
        $this->db-
>query('SELECT p.id, p.title, p.imgSrc, p.imgAlt, p.created_at, u.firstName, u
.lastName, c.name FROM posts as p INNER JOIN users as u ON p.user_id = u.id  I
NNER JOIN categories as c ON c.id = p.category_id
        WHERE (`title` LIKE :content) OR (`body` LIKE :content)');
        $this->db->bind(':content', '%'.$content.'%');
        $results = $this->db->resultSet();
        return $results;
```



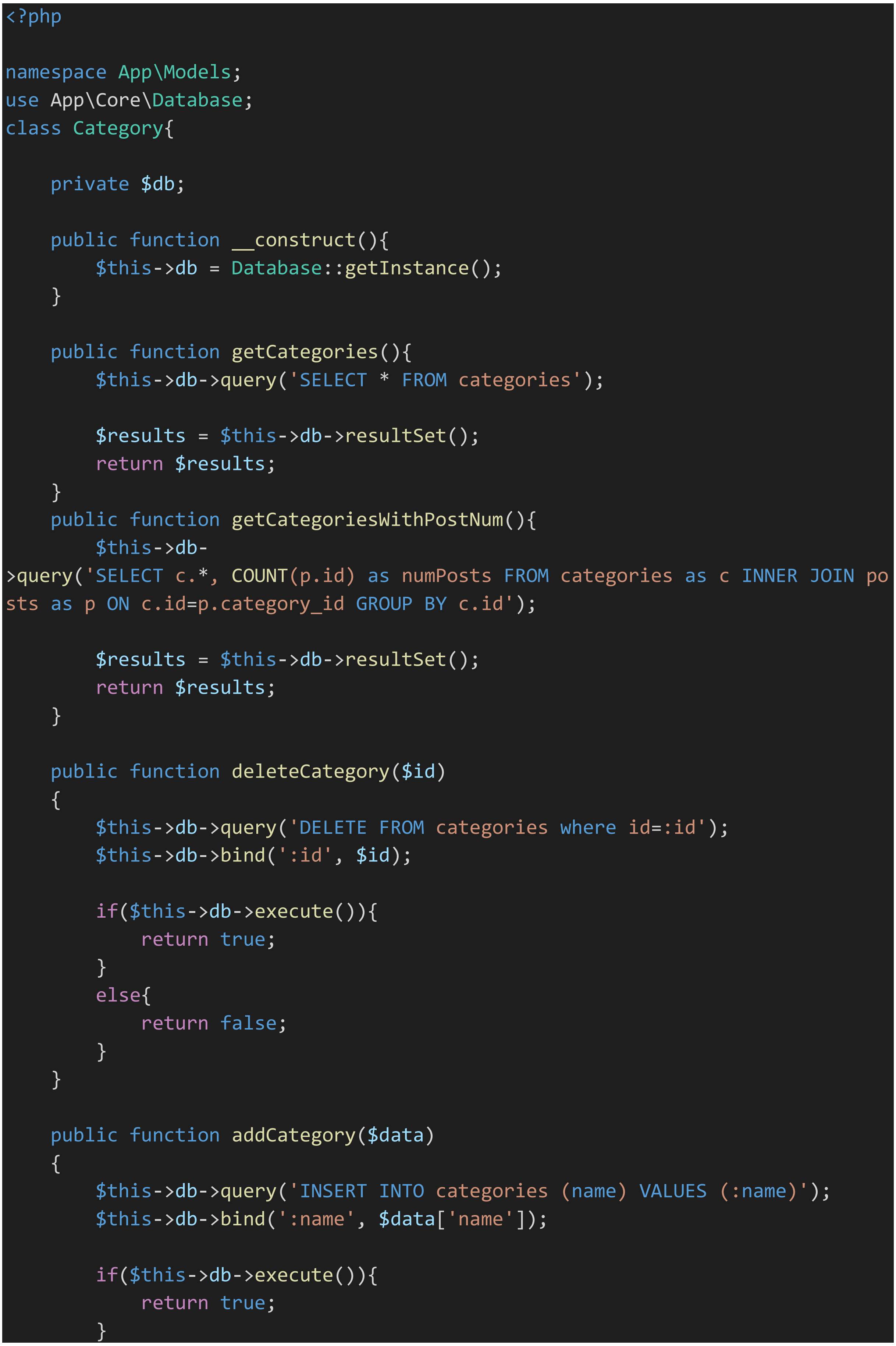
```
    }

    public function getPostsByCategory($id){
        $this->db-
>query('SELECT p.*, u.firstName, u.lastName, c.name FROM posts as p INNER JOIN
 users as u ON p.user_id = u.id  INNER JOIN categories as c ON c.id = p.catego
ry_id
        WHERE c.id = :id ORDER BY p.created_at DESC');
         $this->db->bind(':id', $id);
        $results = $this->db->resultSet();
        return $results;
    }
    //only posts from this user
    public function getUserPosts($id){
        $this->db-
>query('SELECT p.*, u.firstName, u.lastName  FROM posts as p INNER JOIN users
as u ON p.user_id = u.id WHERE p.user_id = :id ORDER BY p.created_at DESC');
        $this->db->bind(':id', $id);
        $results = $this->db->resultSet();
        return $results;
    }


    public function addPost($data){

        $this->db-
>query('INSERT INTO posts (user_id, category_id, title, body, imgSrc, imgAlt)
VALUES(:user_id,:category_id,:title,:body, :imgSrc, :title)');

        $this->db->bind(':user_id',$data['user_id']);
        $this->db->bind(':category_id',$data['category_id']);
        $this->db->bind(':title',$data['title']);
        $this->db->bind(':body',$data['body']);
        $this->db->bind(':imgSrc',$data['imgSrc']);

        if($this->db->execute()){
            return true;
        }
        else{
            return false;
        }
    }

    public function getPostById($id)
    {
        $this->db->query('SELECT * FROM posts where id = :id');
        $this->db->bind(':id', $id);

        $row = $this->db->single();
```



```
        return $row;
    }

    public function deletePost($id){

        $this->db->query('DELETE FROM posts where id=:id');
        $this->db->bind(':id', $id);

        if($this->db->execute()){
            return true;
        }
        else{
            return false;
        }
    }

    public function checkUserRate($data){
        $this->db-
>query('SELECT * FROM rating_posts WHERE user_id = :user_id && post_id = :post
_id');
        $this->db->bind(':user_id',$data['userId']);
        $this->db->bind(':post_id',$data['postId']);

        $row = $this->db->single();
        if($this->db->rowCount() > 0){
            return $row;
        }
        else{
            return false;
        }
    }

    public function userRatedPosts($id){
        $this->db-
>query('SELECT post_id,rated_value FROM rating_posts WHERE user_id = :id');
        $this->db->bind(':id', $id);
        $results = $this->db->resultSet();
        return $results;
    }

    public function topRatedPosts(){
        $this->db-
>query('SELECT p.*, SUM(rated_value) as sumValue FROM `rating_posts` as rp INN
ER JOIN posts as p ON p.id =rp.post_id GROUP BY post_id LIMIT 3');
        $results = $this->db->resultSet();
        return $results;
    }
    public function ratingPost($data){
```



```
        if(!$this->checkUserRate($data)){
            $this->db-
>query('INSERT INTO rating_posts (post_id,user_id,rated_value) VALUES(:post_id
,:user_id,:rated_value)');

            $this->db->bind(':user_id',$data['userId']);
            $this->db->bind(':post_id',$data['postId']);
            $this->db->bind(':rated_value',$data['ratedValue']);

            if($this->db->execute()){
                return true;
            }
            else{
                return false;
            }
        }
        else{
            return false;
        }

    }

    public function updatePost($data)
    {
        $this->db-
>query('UPDATE posts SET category_id=:category_id, title=:title, body=:body, i
mgSrc = :imgSrc, imgAlt = :imgAlt WHERE id=:id');

        $this->db->bind(':id',$data['id']);
        $this->db->bind(':category_id',$data['category_id']);
        $this->db->bind(':title',$data['title']);
        $this->db->bind(':body',$data['body']);
        $this->db->bind(':imgSrc',$data['imgSrc']);
        $this->db->bind(':imgAlt',$data['imgAlt']);

        if($this->db->execute()){
            return true;
        }
        else{
            return false;
        }
    }

}
```



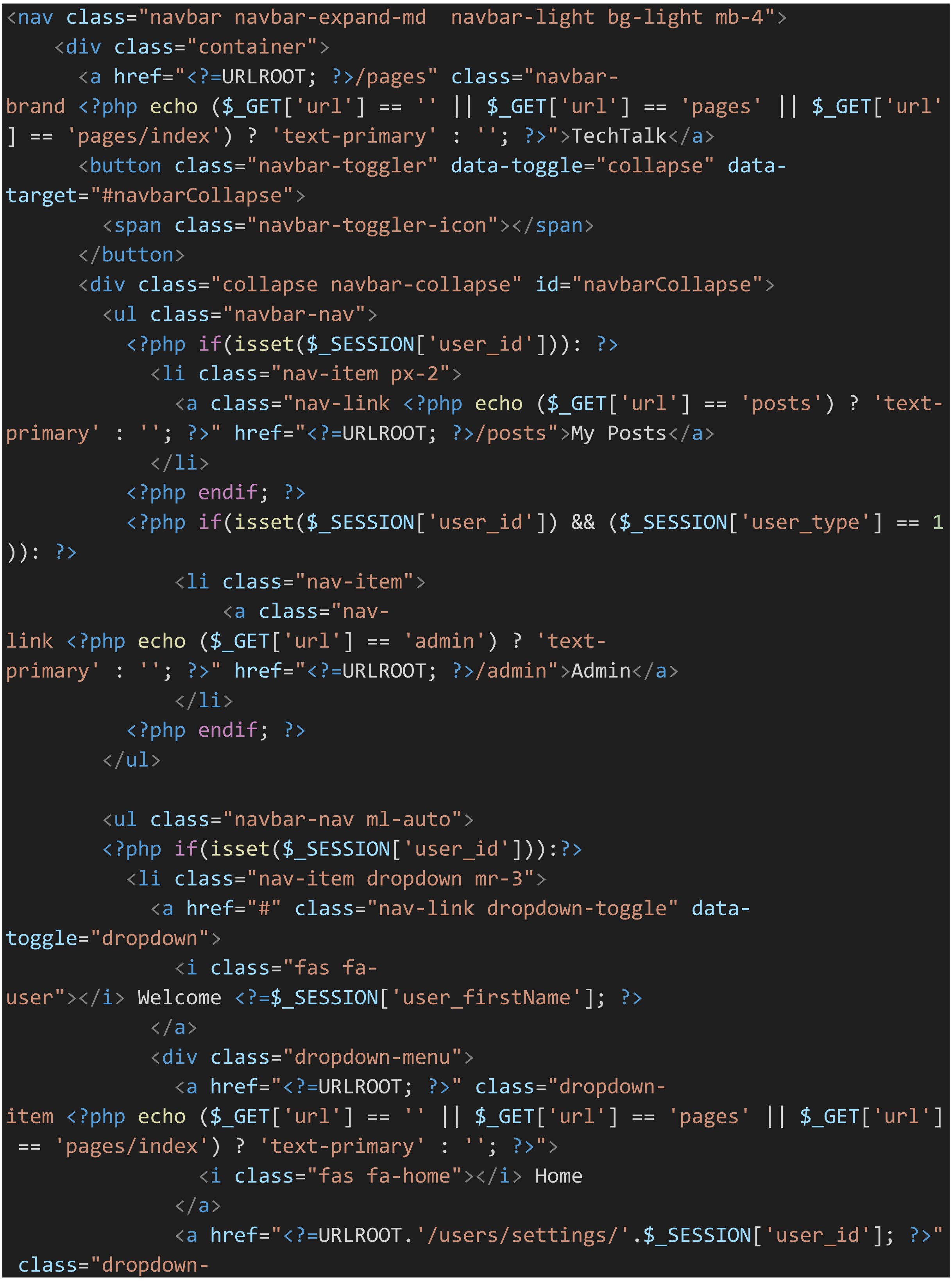
```
<?php

namespace App\Models;
use App\Core\Database;
class Category{

    private $db;

    public function __construct(){
        $this->db = Database::getInstance();
    }

    public function getCategories(){
        $this->db->query('SELECT * FROM categories');

        $results = $this->db->resultSet();
        return $results;
    }
    public function getCategoriesWithPostNum(){
        $this->db-
>query('SELECT c.*, COUNT(p.id) as numPosts FROM categories as c INNER JOIN po
sts as p ON c.id=p.category_id GROUP BY c.id');

        $results = $this->db->resultSet();
        return $results;
    }

    public function deleteCategory($id)
    {
        $this->db->query('DELETE FROM categories where id=:id');
        $this->db->bind(':id', $id);

        if($this->db->execute()){
            return true;
        }
        else{
            return false;
        }
    }

    public function addCategory($data)
    {
        $this->db->query('INSERT INTO categories (name) VALUES (:name)');
        $this->db->bind(':name', $data['name']);

        if($this->db->execute()){
            return true;
        }
        else{
            return false;
        }
    }

    public function editCategory($data)
    {
        $this->db->query('UPDATE categories SET name = :name WHERE id = :id');
        $this->db->bind(':name', $data['name']);
        $this->db->bind(':id', $data['id']);
        if($this->db->execute()){
            return true;
        }
        else{
            return false;
        }
    }
}
```

1.4.4 Views

1.4.4.1 includes

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta http-equiv="X-UA-Compatible" content="ie=edge">
    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/
4.4.1/css/bootstrap.min.css" integrity="sha384-
Vkoo8x4CGsO3+Hhxv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9Ifjh" crossorigin=
"anonymous">
    <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.0.13/
css/all.css" integrity="sha384-
DNOHZ68U8hZfKXOrtjWvjxusGo9WQnrNx2sqG0tfsghAvtVlRW3tvkXWZh58N9jp"
    crossorigin="anonymous">
    <link rel="stylesheet" href="<?=URLROOT?>/css/style.css">
    <link href="https://fonts.googleapis.com/css?family=Oxanium&display=swap"
rel="stylesheet">
    <link rel="stylesheet" type="text/css" href="<?=URLROOT?>/css/prism.css">
    <link rel="shortcut icon" href="<?=URLROOT?>/favicon.ico" type="image/x-
icon">
    <title><?=SITENAME; ?></title>
</head>
<body>
    <?php require_once APPROOT."/views/includes/nav.php"; ?>
```

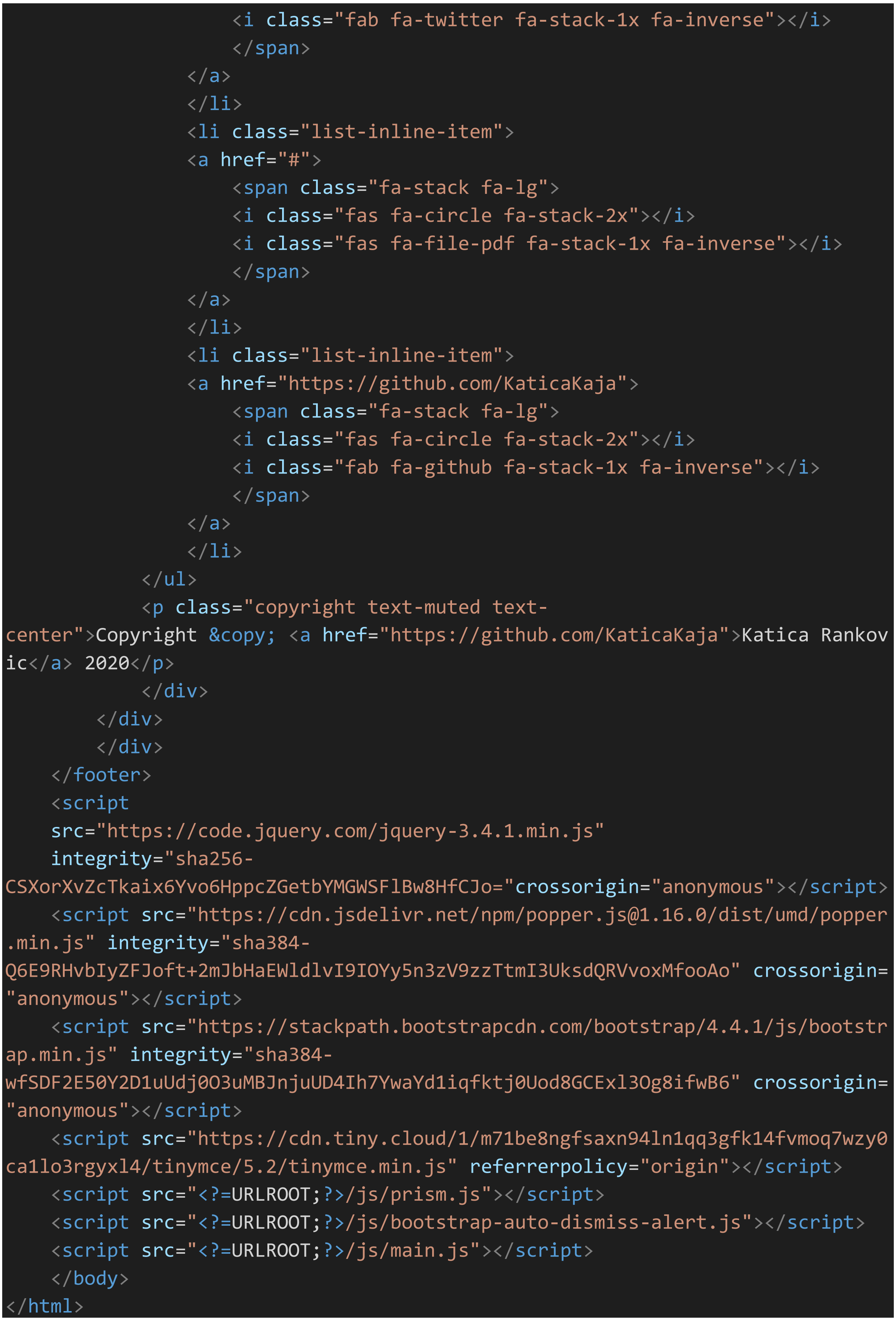
```
    <div class="container main">
```



```
<nav class="navbar navbar-expand-md  navbar-light bg-light mb-4">
    <div class="container">
      <a href="<?=URLROOT; ?>/pages" class="navbar-
brand <?php echo ($_GET['url'] == '' || $_GET['url'] == 'pages' || $_GET['url'
] == 'pages/index') ? 'text-primary' : ''; ?>">TechTalk</a>
      <button class="navbar-toggler" data-toggle="collapse" data-
target="#navbarCollapse">
        <span class="navbar-toggler-icon"></span>
      </button>
      <div class="collapse navbar-collapse" id="navbarCollapse">
        <ul class="navbar-nav">
          <?php if(isset($_SESSION['user_id'])): ?>
            <li class="nav-item px-2">
              <a class="nav-link <?php echo ($_GET['url'] == 'posts') ? 'text-
primary' : ''; ?>" href="<?=URLROOT; ?>/posts">My Posts</a>
            </li>
          <?php endif; ?>
          <?php if(isset($_SESSION['user_id']) && ($_SESSION['user_type'] == 1
)): ?>
              <li class="nav-item">
                  <a class="nav-
link <?php echo ($_GET['url'] == 'admin') ? 'text-
primary' : ''; ?>" href="<?=URLROOT; ?>/admin">Admin</a>
              </li>
          <?php endif; ?>
        </ul>

        <ul class="navbar-nav ml-auto">
        <?php if(isset($_SESSION['user_id'])):?>
          <li class="nav-item dropdown mr-3">
            <a href="#" class="nav-link dropdown-toggle" data-
toggle="dropdown">
              <i class="fas fa-
user"></i> Welcome <?=$_SESSION['user_firstName']; ?>
            </a>
            <div class="dropdown-menu">
              <a href="<?=URLROOT; ?>" class="dropdown-
item <?php echo ($_GET['url'] == '' || $_GET['url'] == 'pages' || $_GET['url']
 == 'pages/index') ? 'text-primary' : ''; ?>">
                <i class="fas fa-home"></i> Home
              </a>
              <a href="<?=URLROOT.'/users/settings/'.$_SESSION['user_id']; ?>"
 class="dropdown-
```

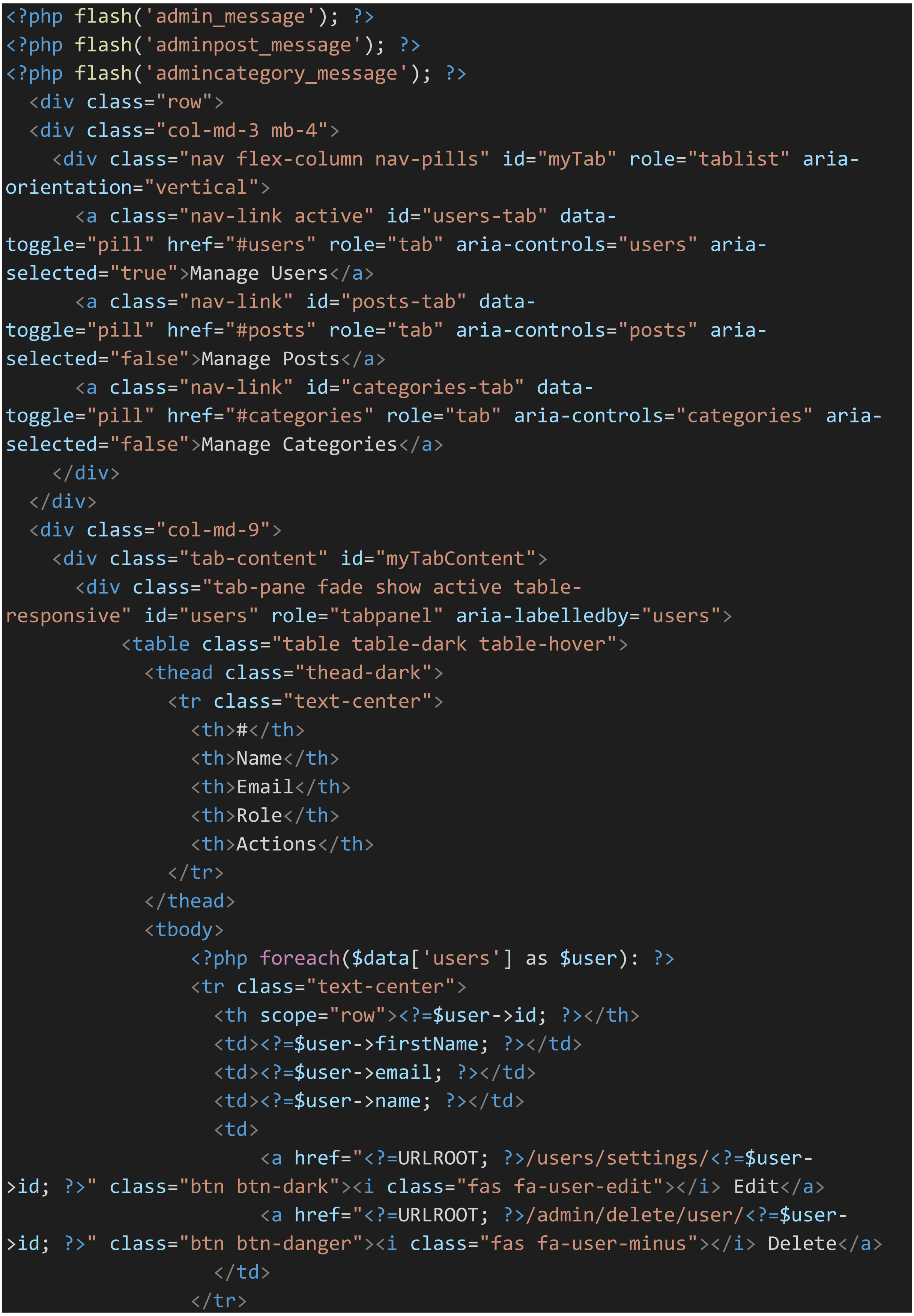
```
item <?php echo ($_GET['url'] == 'users/settings/'.$_SESSION['user_id']) ? 'te
xt-primary' : ''; ?>">
                <i class="fas fa-cog"></i> Settings
              </a>
            </div>
          </li>
          <li class="nav-item">
            <a href="<?=URLROOT; ?>/users/logout" class="nav-link">
              <i class="fas fa-user-times"></i> Logout
            </a>
          </li>
        <?php else: ?>
          <li class="nav-item">
            <a href="<?=URLROOT; ?>" class="nav-
link <?php echo ($_GET['url'] == '' || $_GET['url'] == 'pages' || $_GET['url']
 == 'pages/index') ? 'text-primary' : ''; ?>">
              <i class="fas fa-home"></i></i> Home
            </a>
          </li>
          <li class="nav-item">
            <a href="<?=URLROOT; ?>/users/register" class="nav-
link <?php echo ($_GET['url'] == 'users/register') ? 'text-primary' : ''; ?>">
              <i class="fas fa-user-plus"></i> Register
            </a>
          </li>
          <li class="nav-item">
            <a href="<?=URLROOT; ?>/users/login" class="nav-
link <?php echo ($_GET['url'] == 'users/login') ? 'text-primary' : ''; ?>">
              <i class="fas fa-user-check"></i> Login
            </a>
          </li>
        <?php endif; ?>
        </ul>
      </div>
    </div>
  </nav>
```

```
</div>
<hr class="mt-5">
    <footer class="mt-5">
        <div class="container">
        <div class="row">
            <div class="col-lg-8 col-md-10 mx-auto">
            <ul class="list-inline text-center">
                <li class="list-inline-item">
                <a href="#">
                    <span class="fa-stack fa-lg">
                    <i class="fas fa-circle fa-stack-2x"></i>
```



```
                    <i class="fab fa-twitter fa-stack-1x fa-inverse"></i>
                    </span>
                </a>
                </li>
                <li class="list-inline-item">
                <a href="#">
                    <span class="fa-stack fa-lg">
                    <i class="fas fa-circle fa-stack-2x"></i>
                    <i class="fas fa-file-pdf fa-stack-1x fa-inverse"></i>
                    </span>
                </a>
                </li>
                <li class="list-inline-item">
                <a href="https://github.com/KaticaKaja">
                    <span class="fa-stack fa-lg">
                    <i class="fas fa-circle fa-stack-2x"></i>
                    <i class="fab fa-github fa-stack-1x fa-inverse"></i>
                    </span>
                </a>
                </li>
            </ul>
            <p class="copyright text-muted text-
center">Copyright &copy; <a href="https://github.com/KaticaKaja">Katica Rankov
ic</a> 2020</p>
            </div>
        </div>
        </div>
    </footer>
    <script
    src="https://code.jquery.com/jquery-3.4.1.min.js"
    integrity="sha256-
CSXorXvZcTkaix6Yvo6HppcZGetbYMGWSFlBw8HfCJo="crossorigin="anonymous"></script>
    <script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper
.min.js" integrity="sha384-
Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo" crossorigin=
"anonymous"></script>
    <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/js/bootstr
ap.min.js" integrity="sha384-
wfSDF2E50Y2D1uUdj0O3uMBJnjuUD4Ih7YwaYd1iqfktj0Uod8GCExl3Og8ifwB6" crossorigin=
"anonymous"></script>
    <script src="https://cdn.tiny.cloud/1/m71be8ngfsaxn94ln1qq3gfk14fvmoq7wzy0
ca1lo3rgyxl4/tinymce/5.2/tinymce.min.js" referrerpolicy="origin"></script>
    <script src="<?=URLROOT;?>/js/prism.js"></script>
    <script src="<?=URLROOT;?>/js/bootstrap-auto-dismiss-alert.js"></script>
    <script src="<?=URLROOT;?>/js/main.js"></script>
    </body>
</html>
```

1.4.4.2 admin/index



```
<?php flash('admin_message'); ?>
<?php flash('adminpost_message'); ?>
<?php flash('admincategory_message'); ?>
  <div class="row">
  <div class="col-md-3 mb-4">
    <div class="nav flex-column nav-pills" id="myTab" role="tablist" aria-
orientation="vertical">
      <a class="nav-link active" id="users-tab" data-
toggle="pill" href="#users" role="tab" aria-controls="users" aria-
selected="true">Manage Users</a>
      <a class="nav-link" id="posts-tab" data-
toggle="pill" href="#posts" role="tab" aria-controls="posts" aria-
selected="false">Manage Posts</a>
      <a class="nav-link" id="categories-tab" data-
toggle="pill" href="#categories" role="tab" aria-controls="categories" aria-
selected="false">Manage Categories</a>
    </div>
  </div>
  <div class="col-md-9">
    <div class="tab-content" id="myTabContent">
      <div class="tab-pane fade show active table-
responsive" id="users" role="tabpanel" aria-labelledby="users">
          <table class="table table-dark table-hover">
            <thead class="thead-dark">
              <tr class="text-center">
                <th>#</th>
                <th>Name</th>
                <th>Email</th>
                <th>Role</th>
                <th>Actions</th>
              </tr>
            </thead>
            <tbody>
                <?php foreach($data['users'] as $user): ?>
                <tr class="text-center">
                  <th scope="row"><?=$user->id; ?></th>
                  <td><?=$user->firstName; ?></td>
                  <td><?=$user->email; ?></td>
                  <td><?=$user->name; ?></td>
                  <td>
                      <a href="<?=URLROOT; ?>/users/settings/<?=$user-
>id; ?>" class="btn btn-dark"><i class="fas fa-user-edit"></i> Edit</a>
                      <a href="<?=URLROOT; ?>/admin/delete/user/<?=$user-
>id; ?>" class="btn btn-danger"><i class="fas fa-user-minus"></i> Delete</a>
                  </td>
                </tr>
                <?php endforeach; ?>
            </tbody>
          </table>
          <div>
            <a href="#" class="btn btn-primary float-right" data-toggle="modal" data-target="#addUserModal">
              <i class="fas fa-pencil-alt"></i>
              <span class="ml-1">Add user</span>
            </a>
          </div>
      </div>
      <div class="tab-pane fade" id="posts" role="tabpanel" aria-labelledby="posts">
          <table class="table table-dark table-hover">
            <thead class="thead-dark">
              <tr class="text-center">
                <th>#</th>
                <th>Title</th>
                <th>Category</th>
                <th>Author</th>
                <th>Actions</th>
              </tr>
            </thead>
            <tbody>

                <?php foreach($data['posts'] as $post): ?>
                <tr class="text-center">
                  <th scope="row"><?=$post->id; ?></th>
                  <td><?=$post->title; ?></td>
                  <td><?=$post->name; ?></td>
                  <td><?=$post->firstName; ?></td>
                  <td>
                      <a href="<?=URLROOT; ?>/posts/edit/<?=$post->id; ?>" class="btn btn-dark"><i class="fas fa-user-edit"></i> Edit</a>
                      <a href="<?=URLROOT; ?>/admin/delete/post/<?=$post->id; ?>" class="btn btn-danger"><i class="fas fa-user-minus"></i> Delete</a>
                  </td>
                <?php endforeach; ?>
              <tr>
            </tbody>
          </table>
          <div>
            <a href="#" class="btn btn-primary float-right" data-toggle="modal" data-target="#addPostModal">
              <i class="fas fa-pencil-alt"></i>
              <span class="ml-1">Add post</span>
            </a>
          </div>
      </div>
      <div class="tab-pane fade" id="categories" role="tabpanel" aria-labelledby="categories">
        <table class="table table-dark table-hover">
          <thead class="thead-dark">
            <tr class="text-center">
              <th>#</th>
              <th>Name</th>
              <th>Actions</th>
            </tr>
          </thead>
          <tbody>

              <?php foreach($data['categories'] as $category): ?>
              <tr class="text-center">
                <th scope="row"><?=$category->id; ?></th>
                <td><?=$category->name; ?></td>
                <td>
                    <a href="<?=URLROOT; ?>/admin/editcategory/<?=$category->id; ?>" data-name="<?=$category->name; ?>" data-id="<?=$category->id; ?>" data-toggle="modal" data-target="#updateCategoryModal" class="btn btn-dark" id="edit"><i class="fas fa-user-edit"></i> Edit</a>
                    <a href="<?=URLROOT; ?>/admin/delete/category/<?=$category->id; ?>" class="btn btn-danger"><i class="fas fa-user-minus"></i> Delete</a>
                </td>
              </tr>
              <?php endforeach; ?>
          </tbody>
        </table>
        <div>
          <a href="<?=URLROOT; ?>/admin/addcategory" class="btn btn-primary float-right" data-toggle="modal" data-target="#addCategoryModal">
            <i class="fas fa-pencil-alt"></i>
            <span class="ml-1">Add category</span>
          </a>
        </div>
      </div>
    </div>
  </div>
</div>

  <!-- ADD USER MODAL -->
  <div class="modal fade" id="addUserModal">
    <div class="modal-dialog modal-lg">
      <div class="modal-content">
        <div class="modal-header bg-dark text-white">
          <h5 class="modal-title">Add User</h5>
```

```
     <button class="close" data-dismiss="modal">
      <span>&times;</span>
     </button>
    </div>
    <div class="modal-body">
    <form id="adduser" method="POST">
        <div class="form-group mb-0">
          <label for="firstName">First name: <sup>*</sup></label>
          <input type="text" name="firstName" class="form-
control form-control-lg" placeholder="John">
          <span class="fname text-danger"></span>
        </div>
        <div class="form-group mb-0">
          <label for="lastName">Last name: <sup>*</sup></label>
          <input type="text" name="lastName" class="form-
control form-control-lg" placeholder="Johnson">
          <span class="lname text-danger"></span>
        </div>
        <div class="form-group mb-0">
          <label for="email">Email: <sup>*</sup></label>
          <input type="text" name="email" class="form-control form-
control-lg" placeholder="your_email123@gmail.com">
          <span class="email text-danger"></span>
        </div>
        <div class="form-group mb-0">
          <label for="password">Password: <sup>*</sup></label>
          <input type="password" name="password" class="form-
control form-control-lg" placeholder="At least 6 characters">
          <span class="passwd text-danger"></span>
        </div>
        <div class="form-group mb-0">
          <label for="confPasswd">Confirm password: <sup>*</sup></la
bel>
          <input type="password" name="confPasswd" class="form-
control form-control-lg" placeholder="Confirm password">
          <span class="confpasswd text-danger"></span>
        </div>
        <div class="errorsUser mt-2">
         <p class="text-danger d-none">Please fill out everything</p>
        </div>
      </form>
    </div>
    <div class="modal-footer">
      <button form="adduser" id="adminAddU" type="button" class="btn btn
-dark send">Add user</button>
    </div>
   </div>
  </div>
  </div>

  <!-- ADD POST MODAL -->
  <div class="modal fade" id="addPostModal">
    <div class="modal-dialog modal-lg">
      <div class="modal-content">
        <div class="modal-header bg-dark text-white">
          <h5 class="modal-title">Add Post</h5>
          <button class="close" data-dismiss="modal">
            <span>&times;</span>
          </button>
        </div>
        <div class="modal-body">
          <form id="postForm" enctype="multipart/form-data">
              <div class="form-group title">
                  <label for="title" class="font-weight-
bold">Title: <sup>*</sup></label>
                  <input type="text" name="title" class="form-control">
                  <span class="invalid-feedback"></span>
                  <span class="titleErr text-danger"></span>
              </div>
              <div class="form-group">
                  <label class="font-weight-
bold" for="category">Choose a category: *</label>
                  <select name="categories" id="category" class="form-
control">
                      <option value="0">Choose...</option>
                      <?php foreach($data['categories'] as $category): ?>
                          <?php echo "<option value='$category->id'>$category-
>name</option>"; ?>
                      <?php endforeach; ?>
                  </select>
                  <span class="invalid-feedback"></span>
              </div>
              <div class="form-group">
                  <label class="font-weight-
bold" for="body">Body: <sup>*</sup></label>
                  <textarea id="postBody" name="body" class="form-
control" ></textarea>
                  <span class="invalid-feedback"></span>
              </div>
          </form>
          <div class="errorsPost mt2">
            <p class="text-danger d-
none" id="postErr">All fields are required<p>
          </div>
        </div>
        <div class="modal-footer">
```

```
     <button form="postForm" id="addPost" type="button" class="btn btn-
dark">Add post</button>
    </div>
   </div>
  </div>
 </div>

 <!-- ADD CATEGORY MODAL -->
 <div class="modal fade" id="addCategoryModal">
  <div class="modal-dialog modal-lg">
   <div class="modal-content">
    <div class="modal-header bg-dark text-white">
     <h5 class="modal-title">Add Category</h5>
     <button class="close" data-dismiss="modal">
      <span>&times;</span>
     </button>
    </div>
    <div class="modal-body">
     <form method="POST">
      <div class="form-group">
       <label for="title">Category name: </label>
       <input type="text" name="name" class="form-control">
      </div>
     </form>
     <div class="errorsCatAdd">
     </div>
    </div>
    <div class="modal-footer">
     <button class="btn btn-dark" id="addcategory">Add category</button>
    </div>
   </div>
  </div>
 </div>
<!-- UPDATE CATEGORY MODAL -->
 <div class="modal fade" id="updateCategoryModal">
  <div class="modal-dialog modal-lg">
   <div class="modal-content">
    <div class="modal-header bg-dark text-white">
     <h5 class="modal-title">Update Category</h5>
     <button class="close" data-dismiss="modal">
      <span>&times;</span>
     </button>
    </div>
    <div class="modal-body">
     <form method="POST">
      <div class="form-group">
       <label for="title">Category name: </label>
       <input type="text" id="catName" name="name" class="form-
control">
      </div>
     </form>
     <div class="errorsCat">
     </div>
    </div>
    <div class="modal-footer">
     <button class="btn btn-
dark" id="updateCategory">Update category</button>
    </div>
   </div>
  </div>
 </div>
```

1.4.4.3 pages/index, pages/notfound

```
<div class="row blog-entries">
  <div class="col-md-12 col-lg-8">
    <div class="col-md-12 p-0 m-0 d-flex justify-content-between">
      <h2>Latest Posts</h2>
      <form action="#" class="search-form order-1">
        <div class="form-group searchfrom">
          <span class="icon fa fa-search"></span>
          <input type="text" class="form-
control" id="search" placeholder="Search posts">
        </div>
      </form>
    </div>
    <div class="searched">

    </div>
    <div class="main-content p-0 m-0">
      <hr class="mt-0 mb-4-lg">
      <div class="row mt-4">
        <div class="col-md-12 d-flex justify-content-center justify-
content-lg-start">
          <nav aria-label="Page navigation">
            <ul class="pagination">
            <li class="page-item left"><a class="page-
link" href="#">&lt;</a></li>
            <?php for($page = 1; $page <= $data['pages']; $page++)
: ?>
            <li class="page-
item page <?=($page ==1) ? 'active' : ''?>"><a class="page-
link" href="#"><?=$page?></a></li>
            <?php endfor; ?>
```

```
                        <li class="page-item right"><a class="page-
link" href="#">&gt;</a></li>
                        </ul>
                    </nav>
                   <div class="ml-3" id="categoryTag">


                    </div>

                </div>
            </div>
            <div class="row" id="posts">
            <?php foreach($data['posts'] as $post): ?>
                <div class="col-md-6 text-lg-left">
                    <div class="post">
                        <a class="post-
img" href="<?=URLROOT?>/posts/show/<?=$post-
>id?>"><img height="350" src="<?=$post->imgSrc;?>" alt="<?=$post->imgAlt?>">
                        <div class="post-body">
                            <div class="post-category">
                                <h5 class="post-category"><?=$post-
>name?></h5>
                            </div>
                            <h3 class="post-title"><?=$post->title?></h3>
                            <ul class="post-meta">
                                <li><?=$post->firstName; ?> &#8226;</li>
                                <li><?php $created_at = strtotime($post-
>created_at);
                                    $created_at = date("F j, Y &#8226; H:i", $
created_at);
                                    echo $created_at;
                                ?></li>
                            </ul>
                        </div>
                        </a>
                    </div>
                </div>
            <?php endforeach; ?>
            </div>
        </div>
    </div>
    <div class="col-md-12 col-lg-4 sidebar">
        <div>
            <h3 class="mb-3">Categories</h3>
            <ul class="categories list-group">
            <?php foreach($data['categories'] as $category): ?>
                <li class="list-group-item"><a class="d-flex justify-content-
between category" data-catname="<?=$category->name?>" data-
catid="<?=$category->id?>" href="#"><span><?=$category-
```

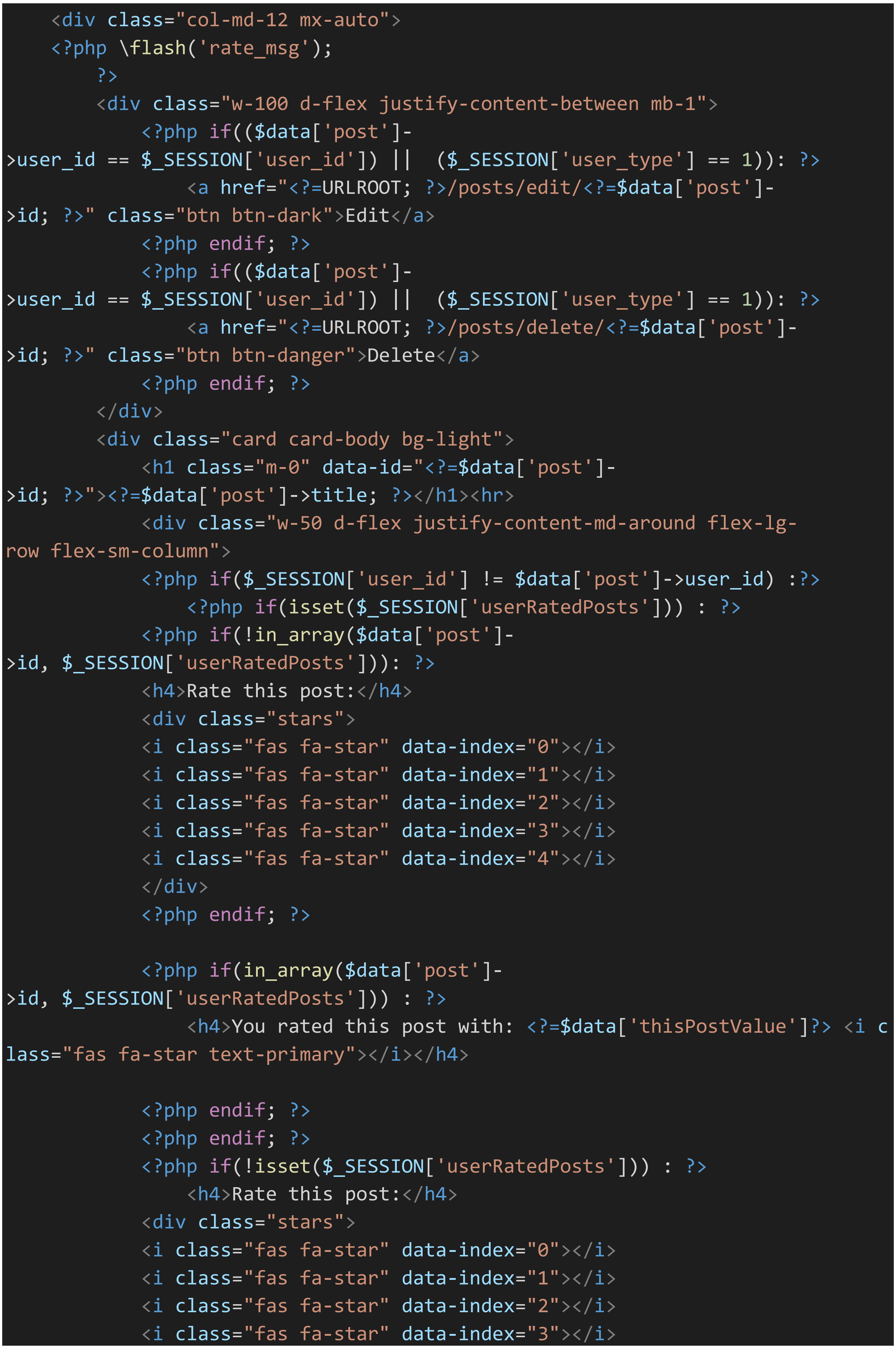
```
>name?></span><span class="badge badge-primary badge-pill"><?=$category->numPosts?></span></a></li>

            <?php endforeach; ?>
            </ul>
        </div>
        <div class="mt-3">
            <h3 class="heading">Top rated posts</h3>
            <div class="popular">
                <ul class="list-group list-group-flush">
                    <?php foreach($data['topRated'] as $post) : ?>

                <li class="list-group-item pl-0">
                    <a href="<?=URLROOT?>/posts/show/<?=$post->id?>" class="d-flex">
                    <img src="<?=$post->imgSrc?>" class="post-imgSmall" width="200" alt="<?=$post->imgAlt?>">
                    <div class="text-center ml-4">
                    <h4><?=$post->title?></h4>
                    <span><?php $created_at = strtotime($post->created_at);
                                $created_at = date("F j, Y H:i", $created_at);
                                echo $created_at;
                            ?></span>
                    </div>
                    </a>
                </li>

                    <?php endforeach; ?>
                </ul>
            </div>
        </div>
    </div>
</div>
```

```
<?php header("HTTP/1.0 404 Not Found"); ?>
<div class="error">
    <div class="col-xs-12 ground-color text-center">
        <div class="container-error-404">
            <div class="clip"><div class="shadow"><span class="digit">4</span></div></div>
            <div class="clip"><div class="shadow"><span class="digit">0</span></div></div>
            <div class="clip"><div class="shadow"><span class="digit">4</span></div></div>
            <div class="msg">OH!<span class="triangle"></span></div>
        </div>
        <h2 class="h1">Sorry! Page not found</h2>
    </div>
</div>
```

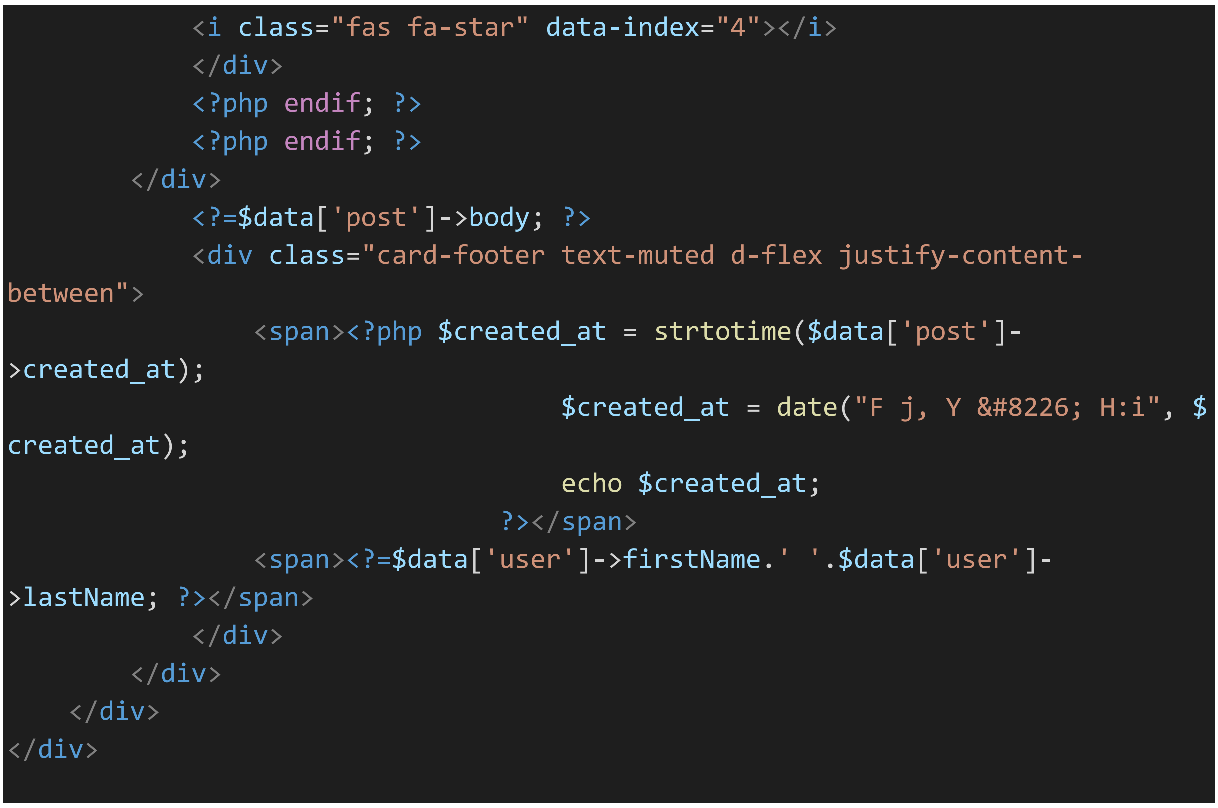
1.4.4.4 posts/index, posts/show, posts/add, posts/edit

```
<?php flash('post_message');
flash('adminErr_msg');
flash('settings_msg');
flash('otheruserSettings_err');
?>
<div class="row mb-3">
    <div class="col-md-6">
        <h1>Posts</h1>
    </div>
    <div class="col-md-6">
        <a href="<?=URLROOT; ?>/posts/add" class="btn btn-primary float-right">
            <i class="fas fa-pencil-alt"></i>
            <span class="ml-1">Add post</span>
        </a>
    </div>
    <div class="col-md-12">
        <?=empty($data['posts']) ? '<h3 class="my-3">You don\'t have any posts yet, create some or check out others <a href="'.URLROOT.'" class="ml-auto btn btn-primary">Home page</a></h3>' : ''; ?>
    </div>
</div>
<?php foreach($data['posts'] as $post): ?>
    <div class="card card-body mb-3">
        <h2 class="card-title">
            <?=$post->title; ?>
        </h2>
        <div class="bg-light p-2 mb-3 d-flex justify-content-between">
            <span>Written by <span class="text-primary"><?=$post->firstName.' '.$post->lastName; ?></span></span>
            <span><?php $created_at = strtotime($post->created_at);
                    $created_at = date("F j, Y &#8226; H:i", $created_at);
                    echo $created_at;
                ?></span>
        </div>
        <div class="card-text"><?=$post->body; ?></div>
        <a href="<?=URLROOT; ?>/posts/show/<?=$post->id; ?>" class="btn btn-dark">More</a>
    </div>
<?php endforeach; ?>
```

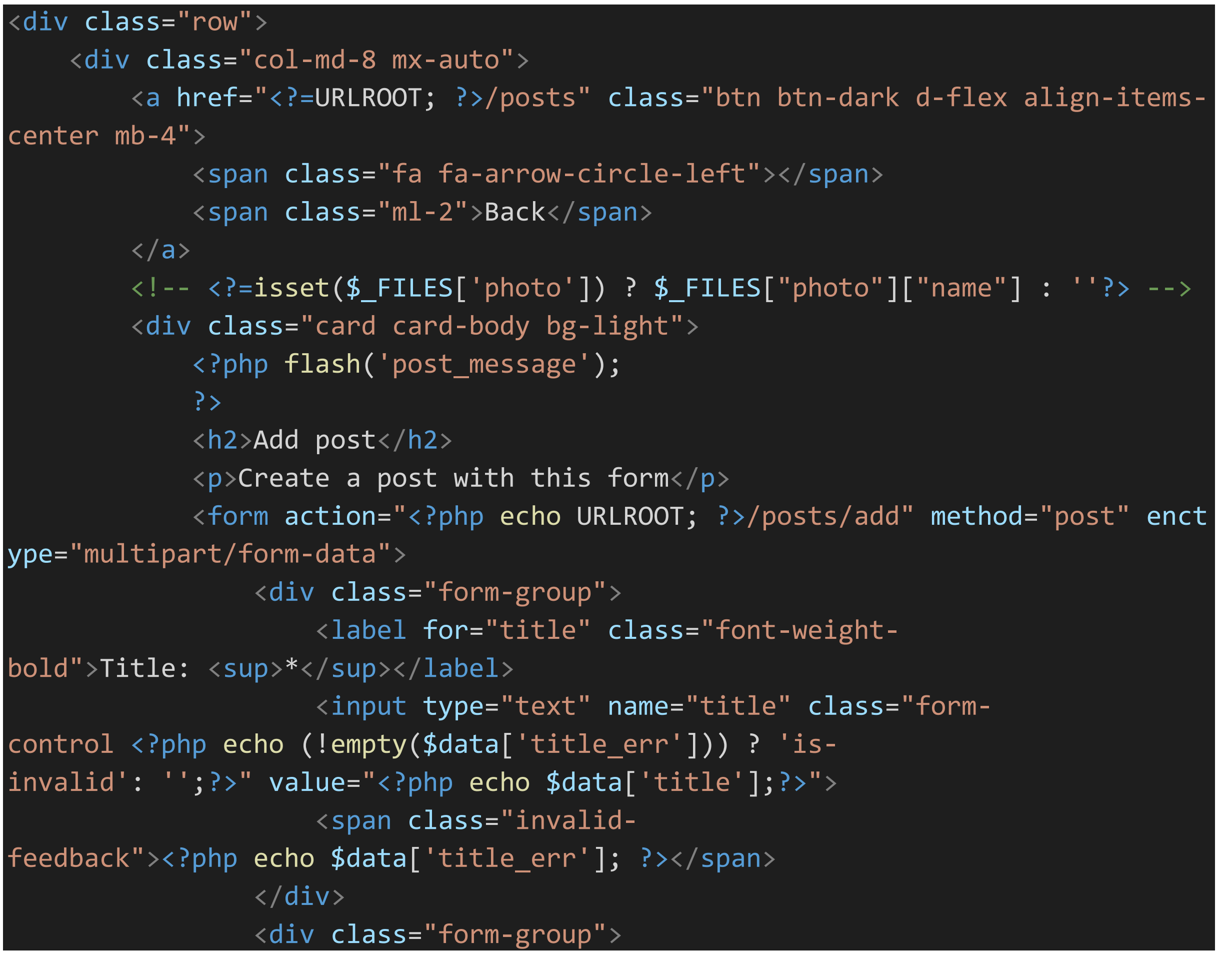
```
<div class="row">
```



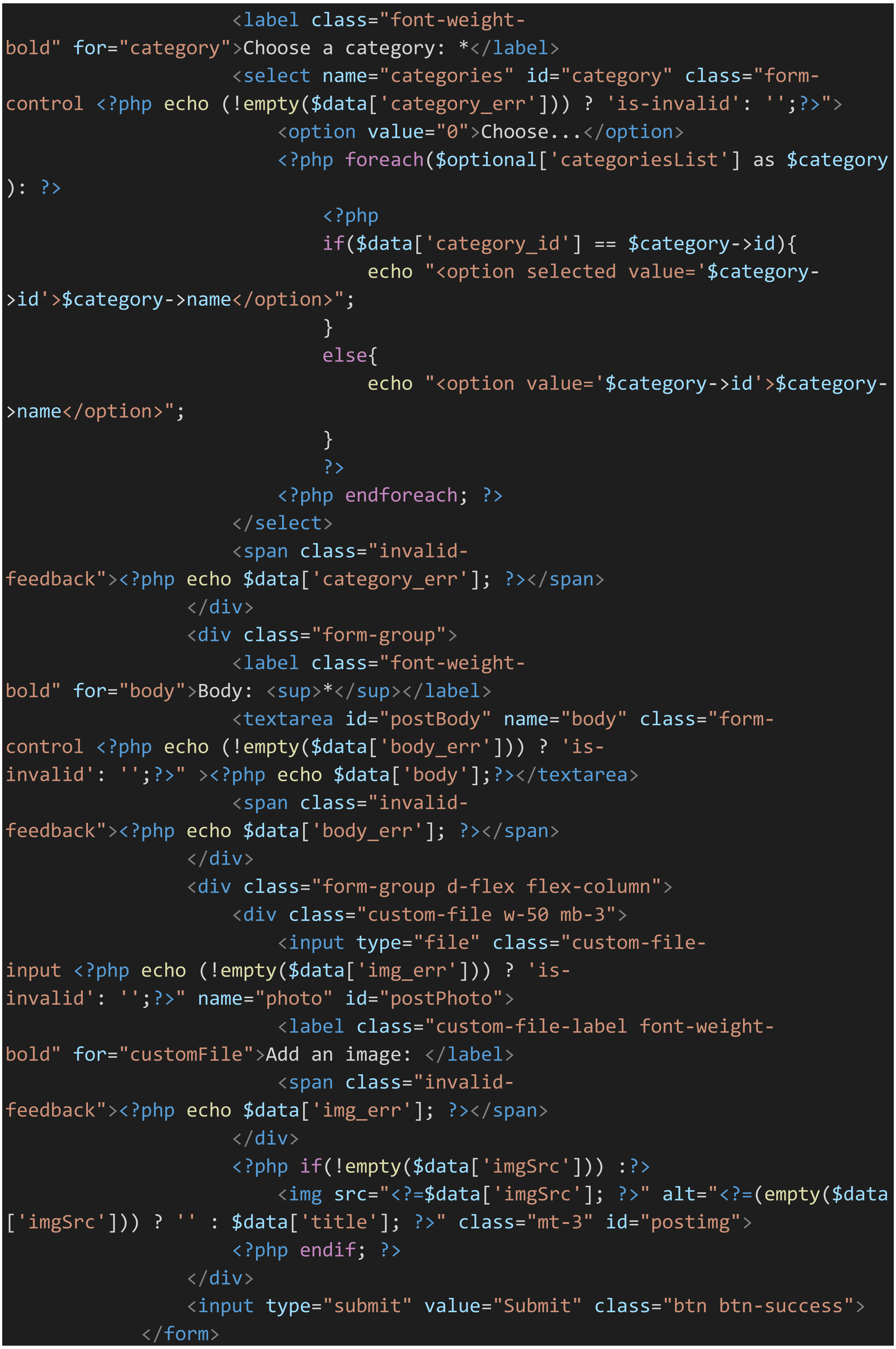
```
    <div class="col-md-12 mx-auto">
    <?php \flash('rate_msg');
        ?>
        <div class="w-100 d-flex justify-content-between mb-1">
            <?php if(($data['post']-
>user_id == $_SESSION['user_id']) ||  ($_SESSION['user_type'] == 1)): ?>
                <a href="<?=URLROOT; ?>/posts/edit/<?=$data['post']-
>id; ?>" class="btn btn-dark">Edit</a>
            <?php endif; ?>
            <?php if(($data['post']-
>user_id == $_SESSION['user_id']) ||  ($_SESSION['user_type'] == 1)): ?>
                <a href="<?=URLROOT; ?>/posts/delete/<?=$data['post']-
>id; ?>" class="btn btn-danger">Delete</a>
            <?php endif; ?>
        </div>
        <div class="card card-body bg-light">
            <h1 class="m-0" data-id="<?=$data['post']-
>id; ?>"><?=$data['post']->title; ?></h1><hr>
            <div class="w-50 d-flex justify-content-md-around flex-lg-
row flex-sm-column">
            <?php if($_SESSION['user_id'] != $data['post']->user_id) :?>
                <?php if(isset($_SESSION['userRatedPosts'])) : ?>
            <?php if(!in_array($data['post']-
>id, $_SESSION['userRatedPosts'])): ?>
            <h4>Rate this post:</h4>
            <div class="stars">
            <i class="fas fa-star" data-index="0"></i>
            <i class="fas fa-star" data-index="1"></i>
            <i class="fas fa-star" data-index="2"></i>
            <i class="fas fa-star" data-index="3"></i>
            <i class="fas fa-star" data-index="4"></i>
            </div>
            <?php endif; ?>

            <?php if(in_array($data['post']-
>id, $_SESSION['userRatedPosts'])) : ?>
                <h4>You rated this post with: <?=$data['thisPostValue']?> <i c
lass="fas fa-star text-primary"></i></h4>

            <?php endif; ?>
            <?php endif; ?>
            <?php if(!isset($_SESSION['userRatedPosts'])) : ?>
                <h4>Rate this post:</h4>
            <div class="stars">
            <i class="fas fa-star" data-index="0"></i>
            <i class="fas fa-star" data-index="1"></i>
            <i class="fas fa-star" data-index="2"></i>
            <i class="fas fa-star" data-index="3"></i>
```



```
            <i class="fas fa-star" data-index="4"></i>
            </div>
            <?php endif; ?>
            <?php endif; ?>
        </div>
            <?=$data['post']->body; ?>
            <div class="card-footer text-muted d-flex justify-content-
between">
                <span><?php $created_at = strtotime($data['post']-
>created_at);
                                    $created_at = date("F j, Y &#8226; H:i", $
created_at);
                                    echo $created_at;
                                ?></span>
                <span><?=$data['user']->firstName.' '.$data['user']-
>lastName; ?></span>
            </div>
        </div>
    </div>
</div>
```



```
<div class="row">
    <div class="col-md-8 mx-auto">
        <a href="<?=URLROOT; ?>/posts" class="btn btn-dark d-flex align-items-
center mb-4">
            <span class="fa fa-arrow-circle-left"></span>
            <span class="ml-2">Back</span>
        </a>
        <!-- <?=isset($_FILES['photo']) ? $_FILES["photo"]["name"] : ''?> -->
        <div class="card card-body bg-light">
            <?php flash('post_message');
            ?>
            <h2>Add post</h2>
            <p>Create a post with this form</p>
            <form action="<?php echo URLROOT; ?>/posts/add" method="post" enct
ype="multipart/form-data">
                <div class="form-group">
                    <label for="title" class="font-weight-
bold">Title: <sup>*</sup></label>
                    <input type="text" name="title" class="form-
control <?php echo (!empty($data['title_err'])) ? 'is-
invalid': '';?>" value="<?php echo $data['title'];?>">
                    <span class="invalid-
feedback"><?php echo $data['title_err']; ?></span>
                </div>
                <div class="form-group">
```



```
                    <label class="font-weight-
bold" for="category">Choose a category: *</label>
                    <select name="categories" id="category" class="form-
control <?php echo (!empty($data['category_err'])) ? 'is-invalid': '';?>">
                        <option value="0">Choose...</option>
                        <?php foreach($optional['categoriesList'] as $category
): ?>
                            <?php
                            if($data['category_id'] == $category->id){
                                echo "<option selected value='$category-
>id'>$category->name</option>";
                            }
                            else{
                                echo "<option value='$category->id'>$category-
>name</option>";
                            }
                            ?>
                        <?php endforeach; ?>
                    </select>
                    <span class="invalid-
feedback"><?php echo $data['category_err']; ?></span>
                </div>
                <div class="form-group">
                    <label class="font-weight-
bold" for="body">Body: <sup>*</sup></label>
                    <textarea id="postBody" name="body" class="form-
control <?php echo (!empty($data['body_err'])) ? 'is-
invalid': '';?>" ><?php echo $data['body'];?></textarea>
                    <span class="invalid-
feedback"><?php echo $data['body_err']; ?></span>
                </div>
                <div class="form-group d-flex flex-column">
                    <div class="custom-file w-50 mb-3">
                        <input type="file" class="custom-file-
input <?php echo (!empty($data['img_err'])) ? 'is-
invalid': '';?>" name="photo" id="postPhoto">
                        <label class="custom-file-label font-weight-
bold" for="customFile">Add an image: </label>
                        <span class="invalid-
feedback"><?php echo $data['img_err']; ?></span>
                    </div>
                    <?php if(!empty($data['imgSrc'])) :?>
                        <img src="<?=$data['imgSrc']; ?>" alt="<?=(empty($data
['imgSrc'])) ? '' : $data['title']; ?>" class="mt-3" id="postimg">
                    <?php endif; ?>
                </div>
                <input type="submit" value="Submit" class="btn btn-success">
            </form>
```

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

```
<div class="row">
    <div class="col-md-8 mx-auto">
        <a href="<?=URLROOT?>/posts/show/<?=$data['id']?>" class="btn btn-dark d-flex align-items-center mb-4">
            <span class="fa fa-arrow-circle-left"></span>
            <span class="ml-2">Back</span>
        </a>
        <div class="card card-body bg-light">
            <?php flash('post_message');
            ?>
            <h2>Edit post</h2>
            <p>Create a post with this form</p>
            <form action="<?php echo URLROOT; ?>/posts/edit/<?=$data['id']; ?>" method="post" enctype="multipart/form-data">
                <div class="form-group">
                    <label for="title" class="font-weight-bold">Title: <sup>*</sup></label>
                    <input type="text" name="title" class="form-control <?php echo (!empty($data['title_err'])) ? 'is-invalid': '';?>" value="<?php echo $data['title']; ?>">
                    <span class="invalid-feedback"><?php echo $data['title_err']; ?></span>
                </div>
                <div class="form-group">
                    <label class="font-weight-bold" for="category">Choose a category: *</label>
                    <select name="categories" id="category" class="form-control <?php echo (!empty($data['category_err'])) ? 'is-invalid': '';?>">
                        <option value="0">Choose...</option>
                        <?php foreach($optional['categoriesList'] as $category): ?>
                            <?php
                            if($data['category_id'] == $category->id){
                                echo "<option selected value='$category->id'>$category->name</option>";
                            }
                            else{
                                echo "<option value='$category->id'>$category->name</option>";
                            }
                            ?>
                        <?php endforeach; ?>
                    </select>
                    <span class="invalid-
feedback"><?php echo $data['category_err']; ?></span>
                </div>
                <div class="form-group">
                    <label class="font-weight-
bold" for="body">Body: <sup>*</sup></label>
                    <textarea id="postBody" name="body" class="form-
control <?php echo (!empty($data['body_err'])) ? 'is-
invalid': '';?>" ><?php echo $data['body']; ?></textarea>
                    <span class="invalid-
feedback"><?php echo $data['body_err']; ?></span>
                </div>
                <div class="form-group d-flex flex-column">
                    <div class="custom-file w-50">
                        <input type="file" class="custom-file-
input <?php echo (!empty($data['img_err'])) ? 'is-
invalid': '';?>" name="photo" id="postPhoto">
                        <label class="custom-file-label font-weight-
bold" for="customFile">Change image: </label>
                        <span class="invalid-
feedback"><?php echo $data['img_err']; ?></span>
                    </div>
                    <img src="<?=$data['imgSrc']; ?>" alt="<?=(empty($data['im
gSrc'])) ? '' : $data['title']; ?>" class="mt-3" id="postimg">
                </div>
                <input type="submit" value="Submit" class="btn btn-success">
            </form>
        </div>
    </div>
</div>
```

1.4.4.5 users/login, users/register, users/settings

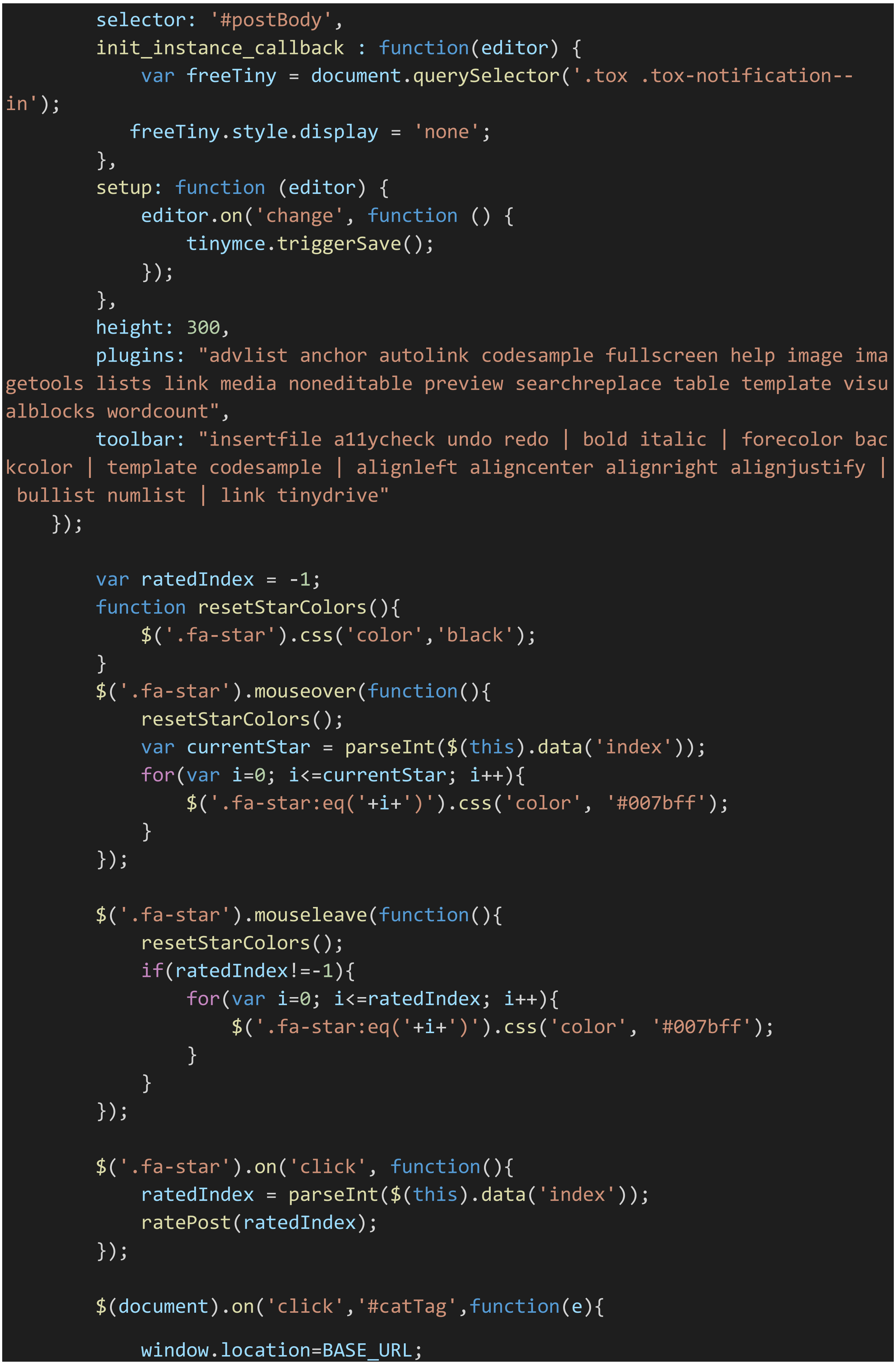
```
<div class="row">
    <div class="col-md-6 mx-auto">
        <div class="card card-body bg-light mt-5">
            <?php flash('register_msg');
            flash('settingsErr_msg');
            flash('adminErr_msg');
            ?>
            <h2>Login</h2>
            <p>Pleaser fill out the form to login</p>
            <form action=<?= URLROOT."/users/login";?> method="post">
                <div class="form-group">
                    <label for="email">Email: <sup>*</sup></label>
                    <input type="text" name="email" class="form-
control-lg <?php echo (!empty($data['email_err'])) ? 'is-
invalid': '';?>" value="<?php echo isset($data['email']) ? $data['email'] : ''
; ?>">
                    <span class="invalid-
feedback"><?php echo $data['email_err']; ?></span>
                </div>
                <div class="form-group">
                    <label for="password">Password: <sup>*</sup></label>
                    <input type="password" name="password" class="form-
control form-control-lg <?php echo (!empty($data['password_err'])) ? 'is-
invalid': '';?>" value="<?php echo isset($data['password']) ? $data['password'
] : ''; ?>">
                    <span class="invalid-
feedback"><?php echo $data['password_err']; ?></span>
                </div>
                <div class="row">
                    <div class="col">
                        <input type="submit" value="Login" class="btn btn-
success btn-block">
                    </div>
                    <div class="col">
                        <a href="<?php echo URLROOT; ?>/users/register" class=
"btn btn-light btn-block">Don't have an account? Register</a>
                    </div>
                </div>
            </form>
        </div>

    </div>
</div>
```

```
<div class="row">
    <div class="col-md-6 mx-auto">
        <div class="card card-body bg-light mt-5">
            <h2>Create An Account</h2>
            <p>Please fill out the form to register</p>
            <form id="register" action="<?php echo URLROOT; ?>/users/register"
 method="post">
            <div class="form-group">
                    <label for="firstName">First name: <sup>*</sup></label>
                    <input type="text" name="firstName" class="form-
control form-control-lg" placeholder="John">
                    <span class="fname text-danger"></span>
                </div>
                <div class="form-group">
                    <label for="lastName">Last name: <sup>*</sup></label>
                    <input type="text" name="lastName" class="form-control form-control-lg" placeholder="Johnson">
                    <span class="lname text-danger"></span>
                </div>
                <div class="form-group">
                    <label for="email">Email: <sup>*</sup></label>
                    <input type="text" name="email" class="form-control form-control-lg" placeholder="your_email123@gmail.com">
                    <span class="email text-danger"></span>
                </div>
                <div class="form-group">
                    <label for="password">Password: <sup>*</sup></label>
                    <input type="password" name="password" class="form-control form-control-lg" placeholder="At least 6 characters">
                    <span class="passwd text-danger"></span>
                </div>
                <div class="form-group">
                    <label for="confPasswd">Confirm password: <sup>*</sup></label>
                    <input type="password" name="confPasswd" class="form-control form-control-lg" placeholder="Confirm password">
                    <span class="confpasswd text-danger"></span>
                </div>
                <div class="errorsUser my-2">
                  <p class="text-danger d-none">Please fill out everything</p>
                </div>
                <div class="row mt-2">
                    <div class="col">
                        <input type="button" id="regUser" value="Register" class="btn btn-success btn-block send">
                    </div>
                    <div class="col">
                        <a href="<?php echo URLROOT; ?>/users/login" class="btn btn-light btn-block">Have an account? Login</a>
                    </div>
                </div>
            </form>
        </div>

    </div>
</div>
```

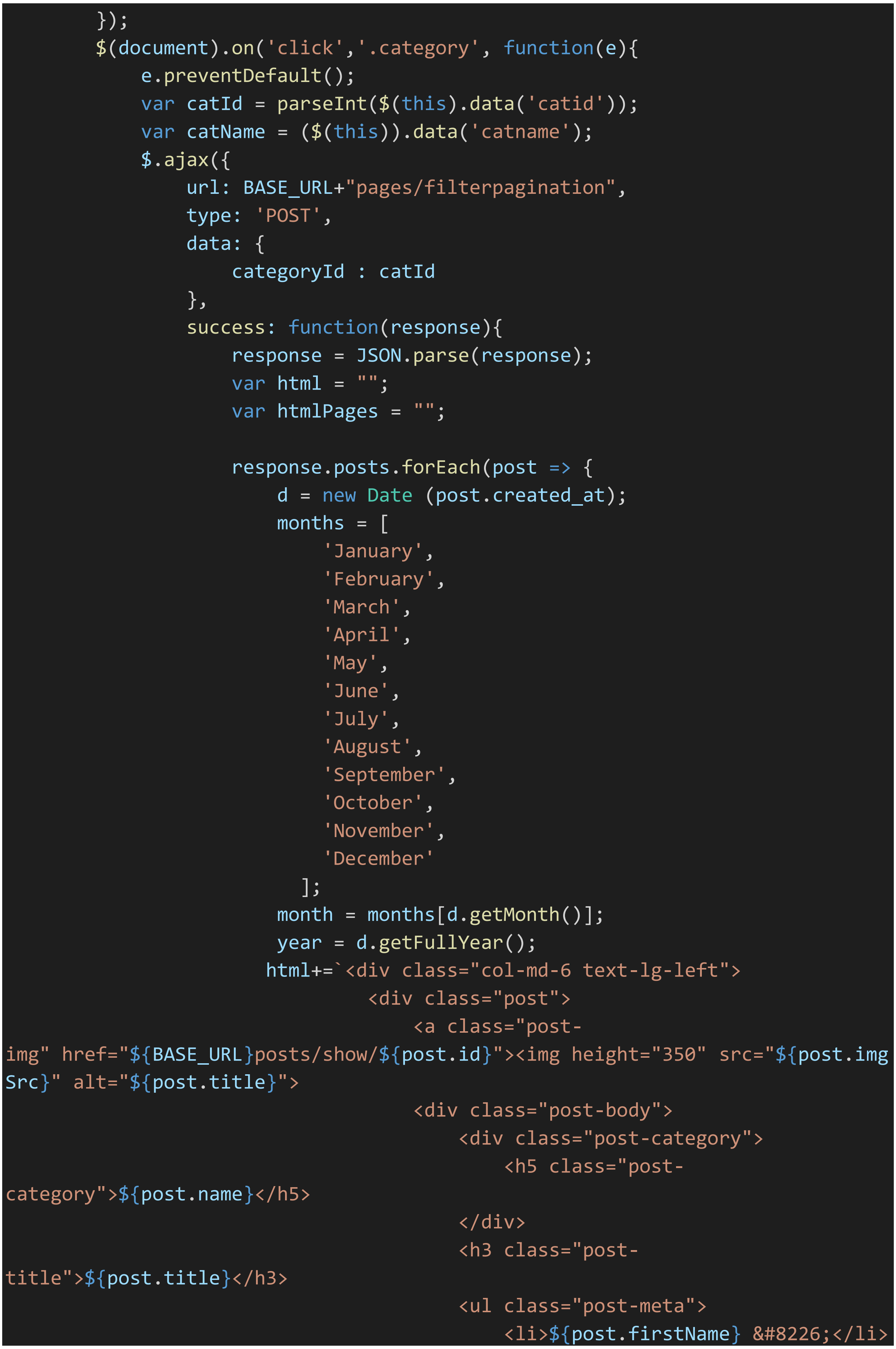
```
<div class="row">
    <div class="col-md-6 mx-auto">
        <div class="card card-body bg-light mt-5">
            <h2>Settings page</h2>
            <p>Change login credentials</p>
            <form action="<?php echo URLROOT; ?>/users/settings/<?php echo $data['id']; ?>" method="post">
                <div class="form-group">
                    <label for="email">Current Email: </label>
                    <input type="text" disabled name="email" class="form-control form-control-lg" value="<?php echo $data['email']; ?>">
                </div>
                <div class="form-group">
                    <label for="email">New email: <sup>*</sup></label>
                    <input type="text" name="emailNew" class="form-control form-control-lg <?php echo (!empty($data['email_err'])) ? 'is-invalid': '';?>" value="<?php echo $data['emailNew']; ?>">
                    <span class="invalid-feedback"><?php echo $data['email_err']; ?></span>
                </div>
                <div class="form-group">
                    <label for="password">New Password: <sup>*</sup></label>
                    <input type="password" name="passwordNew" class="form-control form-control-lg <?php echo (!empty($data['password_err'])) ? 'is-invalid': '';?>" value="">
                    <span class="invalid-feedback"><?php echo $data['password_err']; ?></span>
                </div>
                <?php if($_SESSION['user_type'] == 1): ?>
                <div class="form-group">
                    <label class="containerCheckbox">
                       <input type="checkbox" name="admin" <?=($data['type_id'] == 1) ? 'checked' : '' ;?>>  Admin
                        <span class="checkmark"></span>
                    </label>
                </div>
                <?php endif; ?>
                <div class="form-group">
                    <input type="submit" value="Save changes" class="btn btn-success btn-block">
                </div>
            </form>
        </div>

    </div>
</div>
```

1.4.5 JS kod

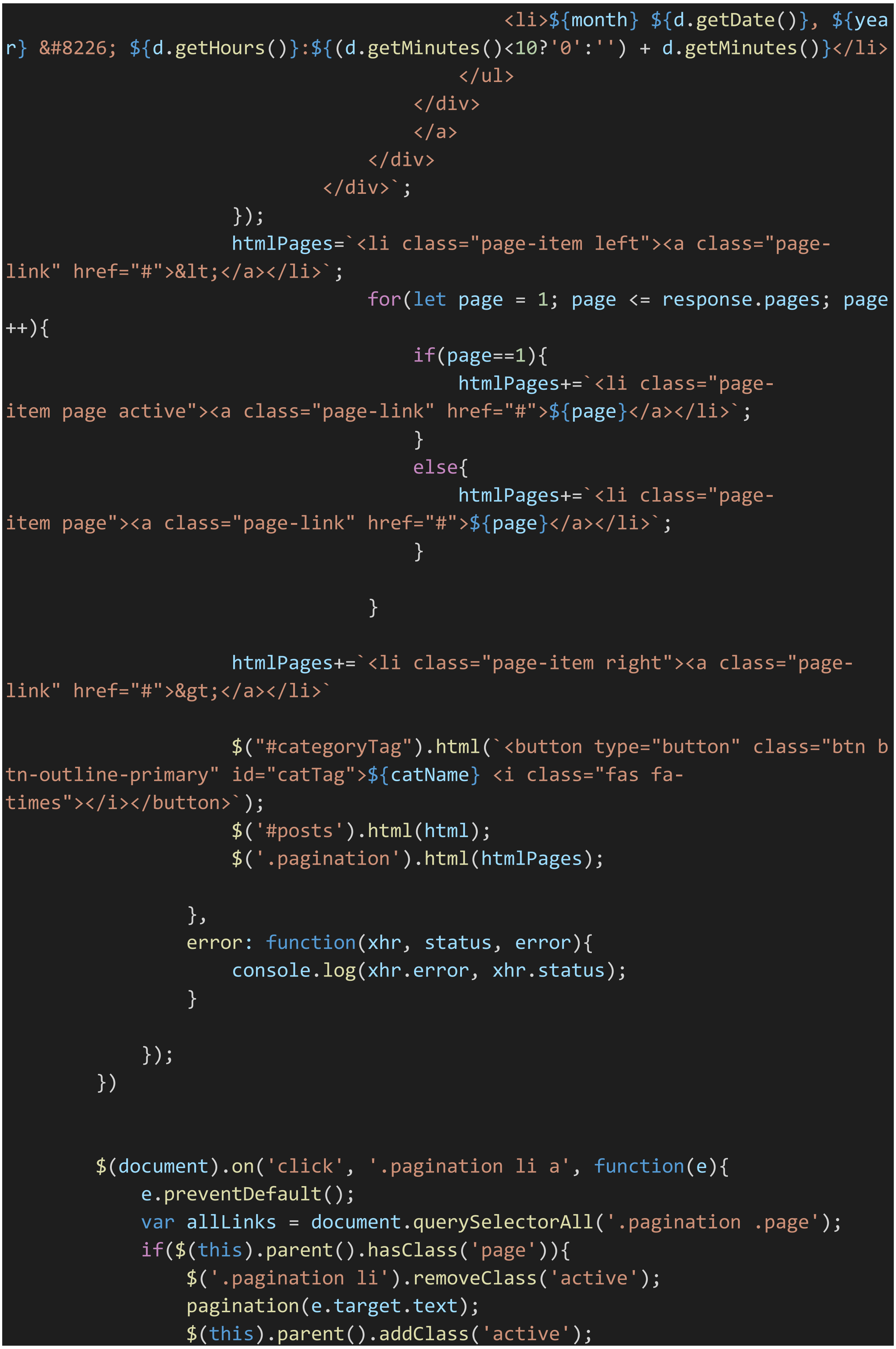
```
const BASE_URL = "http://localhost/mojSajt/";
$(document).ready(function () {
    tinymce.init({
```



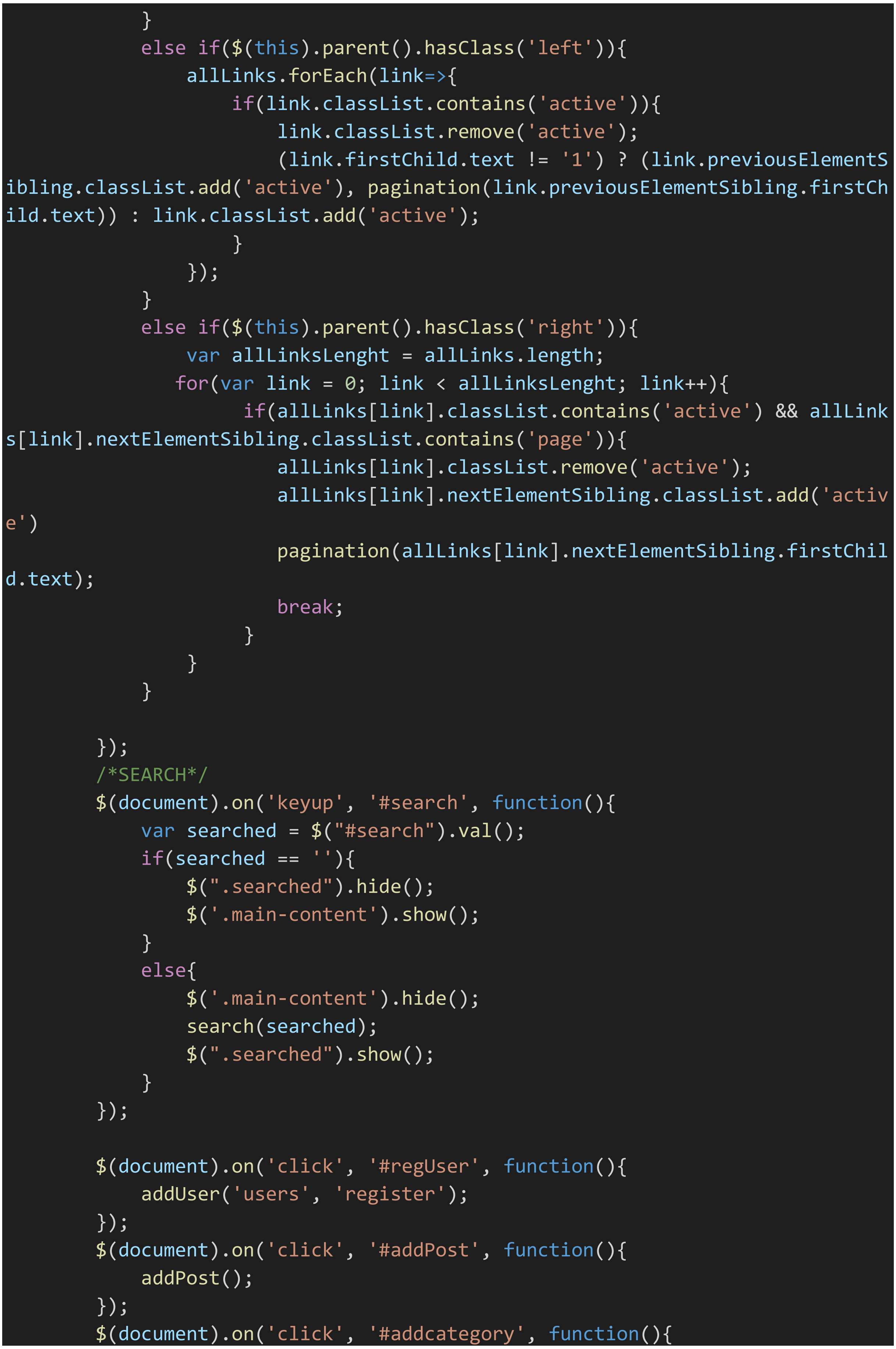
```
        selector: '#postBody',
        init_instance_callback : function(editor) {
            var freeTiny = document.querySelector('.tox .tox-notification--
in');
           freeTiny.style.display = 'none';
        },
        setup: function (editor) {
            editor.on('change', function () {
                tinymce.triggerSave();
            });
        },
        height: 300,
        plugins: "advlist anchor autolink codesample fullscreen help image ima
getools lists link media noneditable preview searchreplace table template visu
alblocks wordcount",
        toolbar: "insertfile a11ycheck undo redo | bold italic | forecolor bac
kcolor | template codesample | alignleft aligncenter alignright alignjustify |
 bullist numlist | link tinydrive"
    });

        var ratedIndex = -1;
        function resetStarColors(){
            $('.fa-star').css('color','black');
        }
        $('.fa-star').mouseover(function(){
            resetStarColors();
            var currentStar = parseInt($(this).data('index'));
            for(var i=0; i<=currentStar; i++){
                $('.fa-star:eq('+i+')').css('color', '#007bff');
            }
        });

        $('.fa-star').mouseleave(function(){
            resetStarColors();
            if(ratedIndex!=-1){
                for(var i=0; i<=ratedIndex; i++){
                    $('.fa-star:eq('+i+')').css('color', '#007bff');
                }
            }
        });

        $('.fa-star').on('click', function(){
            ratedIndex = parseInt($(this).data('index'));
            ratePost(ratedIndex);
        });

        $(document).on('click','#catTag',function(e){

            window.location=BASE_URL;
```



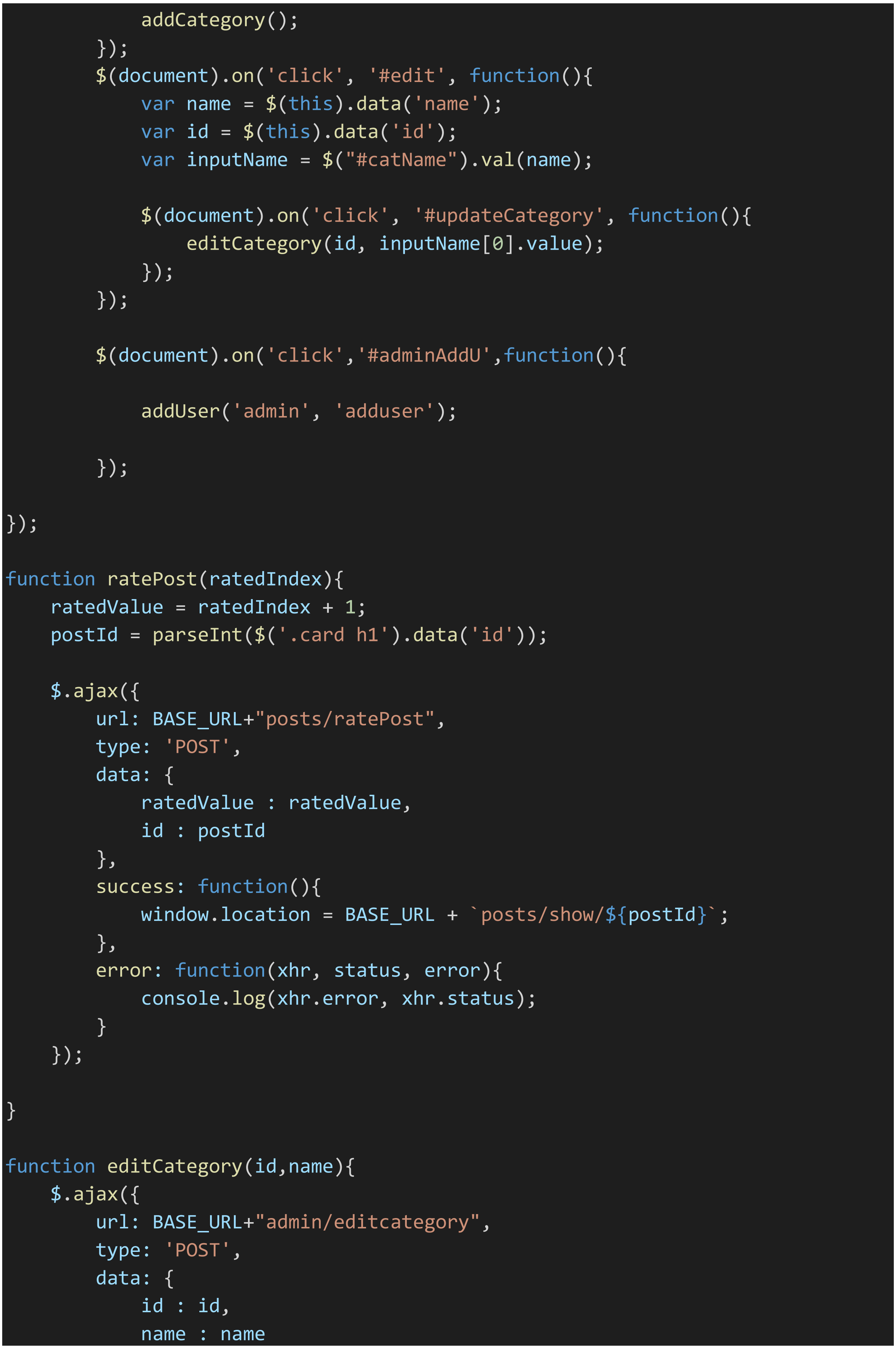
```
        });
        $(document).on('click','.category', function(e){
            e.preventDefault();
            var catId = parseInt($(this).data('catid'));
            var catName = ($(this)).data('catname');
            $.ajax({
                url: BASE_URL+"pages/filterpagination",
                type: 'POST',
                data: {
                    categoryId : catId
                },
                success: function(response){
                    response = JSON.parse(response);
                    var html = "";
                    var htmlPages = "";

                    response.posts.forEach(post => {
                        d = new Date (post.created_at);
                        months = [
                            'January',
                            'February',
                            'March',
                            'April',
                            'May',
                            'June',
                            'July',
                            'August',
                            'September',
                            'October',
                            'November',
                            'December'
                          ];
                        month = months[d.getMonth()];
                        year = d.getFullYear();
                       html+=`<div class="col-md-6 text-lg-left">
                                <div class="post">
                                    <a class="post-
img" href="${BASE_URL}posts/show/${post.id}"><img height="350" src="${post.img
Src}" alt="${post.title}">
                                    <div class="post-body">
                                        <div class="post-category">
                                            <h5 class="post-
category">${post.name}</h5>
                                        </div>
                                        <h3 class="post-
title">${post.title}</h3>

                                        <ul class="post-meta">
                                            <li>${post.firstName} &#8226;</li>
```



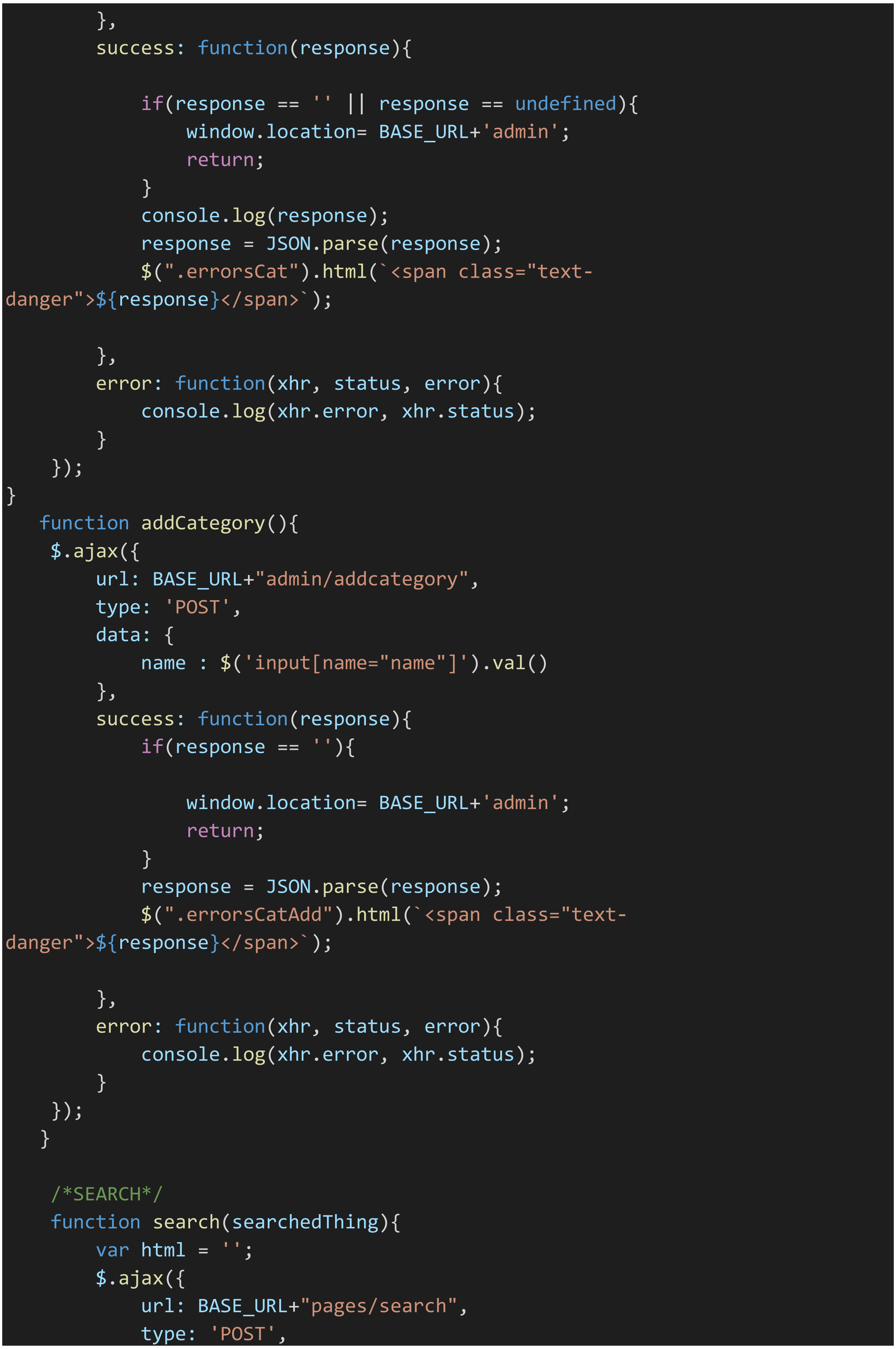
```
                                            <li>${month} ${d.getDate()}, ${yea
r} &#8226; ${d.getHours()}:${(d.getMinutes()<10?'0':'') + d.getMinutes()}</li>
                                        </ul>
                                    </div>
                                    </a>
                                </div>
                            </div>`;
                    });
                    htmlPages=`<li class="page-item left"><a class="page-
link" href="#">&lt;</a></li>`;
                                for(let page = 1; page <= response.pages; page
++){
                                    if(page==1){
                                        htmlPages+=`<li class="page-
item page active"><a class="page-link" href="#">${page}</a></li>`;
                                    }
                                    else{
                                        htmlPages+=`<li class="page-
item page"><a class="page-link" href="#">${page}</a></li>`;
                                    }

                                }

                    htmlPages+=`<li class="page-item right"><a class="page-
link" href="#">&gt;</a></li>`

                    $("#categoryTag").html(`<button type="button" class="btn b
tn-outline-primary" id="catTag">${catName} <i class="fas fa-
times"></i></button>`);
                    $('#posts').html(html);
                    $('.pagination').html(htmlPages);

                },
                error: function(xhr, status, error){
                    console.log(xhr.error, xhr.status);
                }

            });
        })


        $(document).on('click', '.pagination li a', function(e){
            e.preventDefault();
            var allLinks = document.querySelectorAll('.pagination .page');
            if($(this).parent().hasClass('page')){
                $('.pagination li').removeClass('active');
                pagination(e.target.text);
                $(this).parent().addClass('active');
```



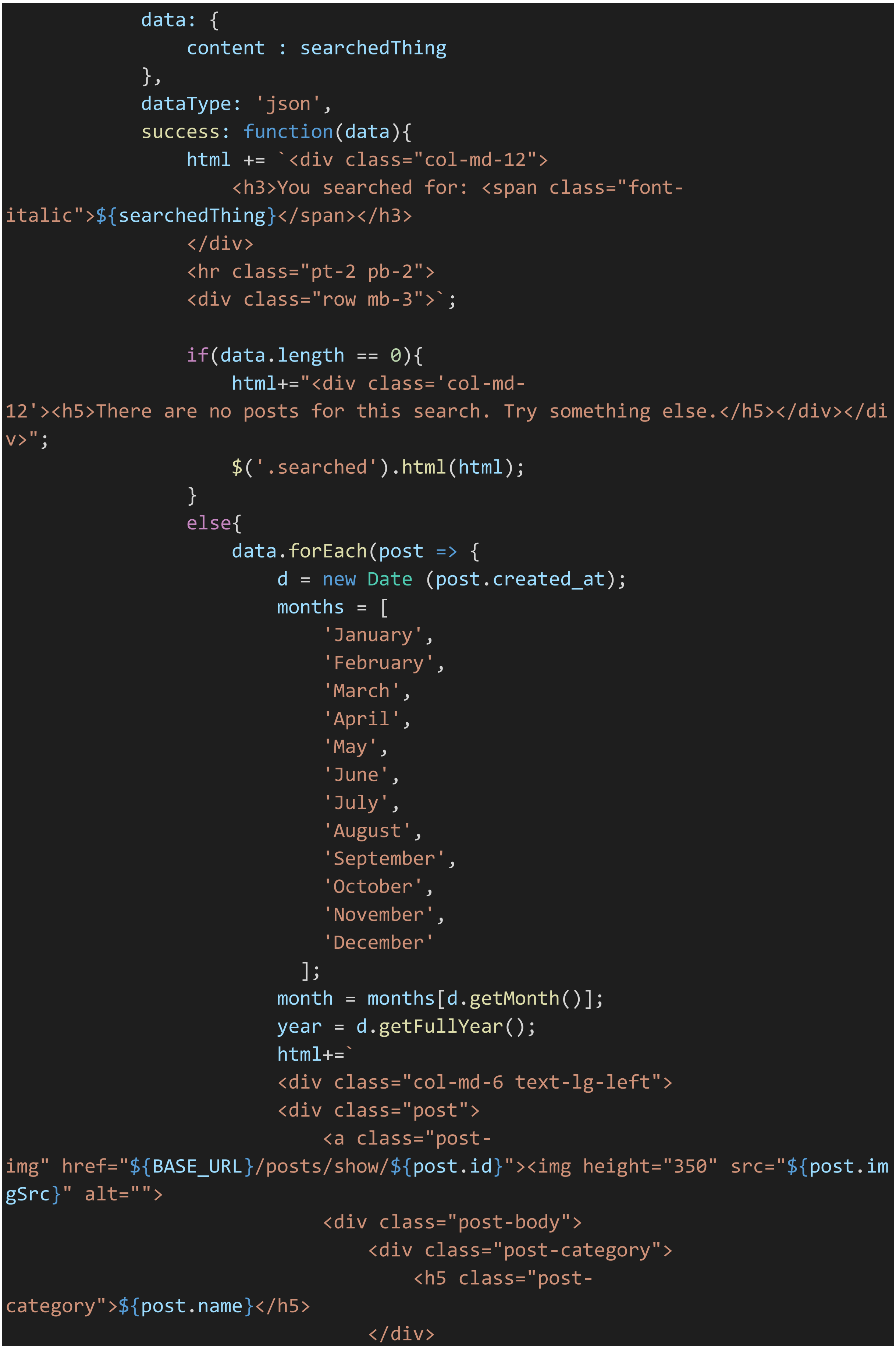
```
            }
            else if($(this).parent().hasClass('left')){
                allLinks.forEach(link=>{
                    if(link.classList.contains('active')){
                        link.classList.remove('active');
                        (link.firstChild.text != '1') ? (link.previousElementS
ibling.classList.add('active'), pagination(link.previousElementSibling.firstCh
ild.text)) : link.classList.add('active');
                    }
                });
            }
            else if($(this).parent().hasClass('right')){
                var allLinksLenght = allLinks.length;
               for(var link = 0; link < allLinksLenght; link++){
                     if(allLinks[link].classList.contains('active') && allLink
s[link].nextElementSibling.classList.contains('page')){
                        allLinks[link].classList.remove('active');
                        allLinks[link].nextElementSibling.classList.add('activ
e')
                        pagination(allLinks[link].nextElementSibling.firstChil
d.text);
                        break;
                     }
                }
            }

        });
        /*SEARCH*/
        $(document).on('keyup', '#search', function(){
            var searched = $("#search").val();
            if(searched == ''){
                $(".searched").hide();
                $('.main-content').show();
            }
            else{
                $('.main-content').hide();
                search(searched);
                $(".searched").show();
            }
        });

        $(document).on('click', '#regUser', function(){
            addUser('users', 'register');
        });
        $(document).on('click', '#addPost', function(){
            addPost();
        });
        $(document).on('click', '#addcategory', function(){
```



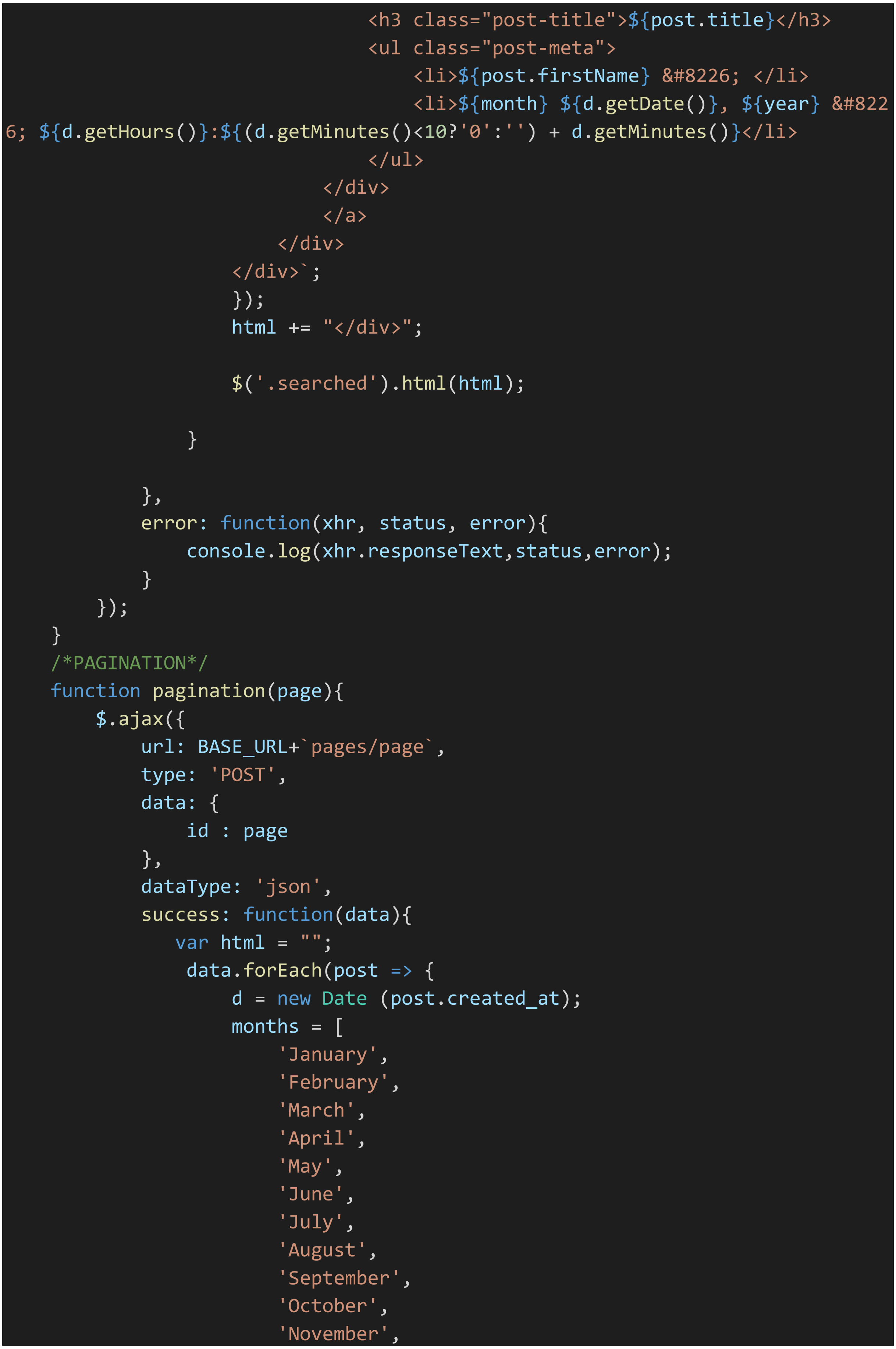
```
            addCategory();
        });
        $(document).on('click', '#edit', function(){
            var name = $(this).data('name');
            var id = $(this).data('id');
            var inputName = $("#catName").val(name);

            $(document).on('click', '#updateCategory', function(){
                editCategory(id, inputName[0].value);
            });
        });

        $(document).on('click','#adminAddU',function(){

            addUser('admin', 'adduser');

        });

});

function ratePost(ratedIndex){
    ratedValue = ratedIndex + 1;
    postId = parseInt($('.card h1').data('id'));

    $.ajax({
        url: BASE_URL+"posts/ratePost",
        type: 'POST',
        data: {
            ratedValue : ratedValue,
            id : postId
        },
        success: function(){
            window.location = BASE_URL + `posts/show/${postId}`;
        },
        error: function(xhr, status, error){
            console.log(xhr.error, xhr.status);
        }
    });

}

function editCategory(id,name){
    $.ajax({
        url: BASE_URL+"admin/editcategory",
        type: 'POST',
        data: {
            id : id,
            name : name
```



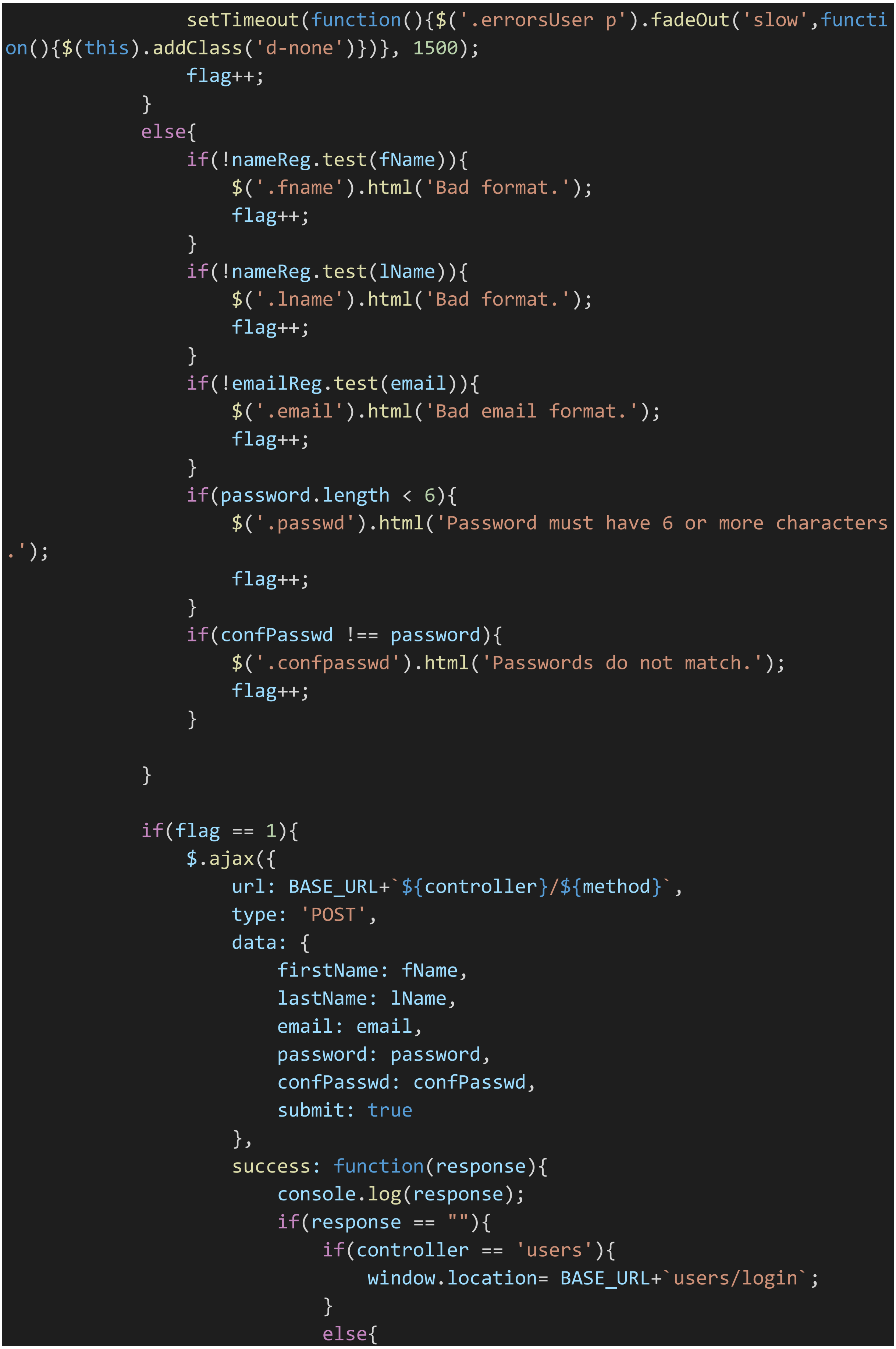
```
        },
        success: function(response){

            if(response == '' || response == undefined){
                window.location= BASE_URL+'admin';
                return;
            }
            console.log(response);
            response = JSON.parse(response);
            $(".errorsCat").html(`<span class="text-
danger">${response}</span>`);

        },
        error: function(xhr, status, error){
            console.log(xhr.error, xhr.status);
        }
    });
}
   function addCategory(){
    $.ajax({
        url: BASE_URL+"admin/addcategory",
        type: 'POST',
        data: {
            name : $('input[name="name"]').val()
        },
        success: function(response){
            if(response == ''){

                window.location= BASE_URL+'admin';
                return;
            }
            response = JSON.parse(response);
            $(".errorsCatAdd").html(`<span class="text-
danger">${response}</span>`);

        },
        error: function(xhr, status, error){
            console.log(xhr.error, xhr.status);
        }
    });
   }

    /*SEARCH*/
    function search(searchedThing){
        var html = '';
        $.ajax({
            url: BASE_URL+"pages/search",
            type: 'POST',
```



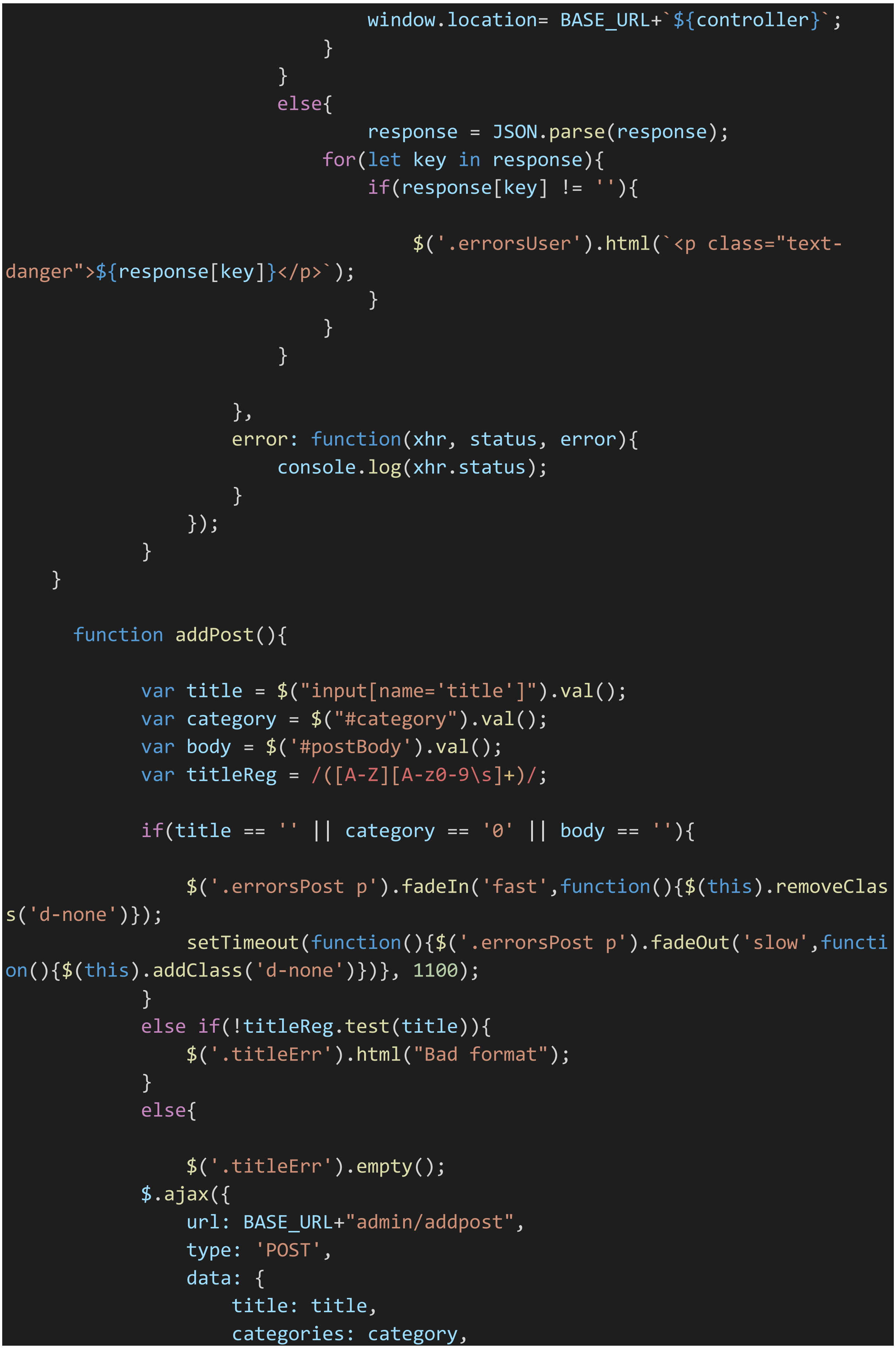
```
            data: {
                content : searchedThing
            },
            dataType: 'json',
            success: function(data){
                html += `<div class="col-md-12">
                    <h3>You searched for: <span class="font-
italic">${searchedThing}</span></h3>
                </div>
                <hr class="pt-2 pb-2">
                <div class="row mb-3">`;

                if(data.length == 0){
                    html+="<div class='col-md-
12'><h5>There are no posts for this search. Try something else.</h5></div></di
v>";
                    $('.searched').html(html);
                }
                else{
                    data.forEach(post => {
                        d = new Date (post.created_at);
                        months = [
                            'January',
                            'February',
                            'March',
                            'April',
                            'May',
                            'June',
                            'July',
                            'August',
                            'September',
                            'October',
                            'November',
                            'December'
                          ];
                        month = months[d.getMonth()];
                        year = d.getFullYear();
                        html+=`
                        <div class="col-md-6 text-lg-left">
                        <div class="post">
                            <a class="post-
img" href="${BASE_URL}/posts/show/${post.id}"><img height="350" src="${post.im
gSrc}" alt="">
                            <div class="post-body">
                                <div class="post-category">
                                    <h5 class="post-
category">${post.name}</h5>
                                </div>
```



```
                                <h3 class="post-title">${post.title}</h3>
                                <ul class="post-meta">
                                    <li>${post.firstName} &#8226; </li>
                                    <li>${month} ${d.getDate()}, ${year} &#822
6; ${d.getHours()}:${(d.getMinutes()<10?'0':'') + d.getMinutes()}</li>
                                </ul>
                            </div>
                            </a>
                        </div>
                    </div>`;
                    });
                    html += "</div>";

                    $('.searched').html(html);

                }

            },
            error: function(xhr, status, error){
                console.log(xhr.responseText,status,error);
            }
        });
    }
    /*PAGINATION*/
    function pagination(page){
        $.ajax({
            url: BASE_URL+`pages/page`,
            type: 'POST',
            data: {
                id : page
            },
            dataType: 'json',
            success: function(data){
               var html = "";
                data.forEach(post => {
                    d = new Date (post.created_at);
                    months = [
                        'January',
                        'February',
                        'March',
                        'April',
                        'May',
                        'June',
                        'July',
                        'August',
                        'September',
                        'October',
                        'November',
                        'December'
                      ];
                    month = months[d.getMonth()];
                    year = d.getFullYear();
                    html+=`<div class="col-md-6 text-lg-left">
                    <div class="post">
                        <a class="post-
img" href="${BASE_URL}/posts/show/${post.id}"><img height="350" src="${post.im
gSrc}" alt="">
                        <div class="post-body">
                            <div class="post-category">
                                <h5 class="post-category">${post.name}</h5>
                            </div>
                            <h3 class="post-title">${post.title}</h3>
                            <ul class="post-meta">
                                <li>${post.firstName} &#8226; </li>
                                <li>${month} ${d.getDate()}, ${year} &#8226; $
{d.getHours()}:${(d.getMinutes()<10?'0':'') + d.getMinutes()}</li>
                            </ul>
                        </div>
                        </a>
                    </div>
                </div>`;
                });
                $('#posts').html(html);

            },
            error: function(xhr, status, error){

            }
        });
    }

    function addUser(controller = '', method=''){

            var nameReg = /^([A-Z][a-z]{2,}(\s|\-)?)*$/;
            var emailReg = /^(\w+(\.|\-)?)*\@\w+(\.com|\.rs)|\.ict.edu.rs$/;
            var fName = $("input[name='firstName']").val();
            var lName = $("input[name='lastName']").val();
            var email = $("input[name='email']").val();
            var password = $("input[name='password']").val();
            var confPasswd = $("input[name='confPasswd']").val();
            var flag = 1;
            $(`#${method} span`).empty();
            if(fName == '' || lName == '' || email == '' || password == '' ||
confPasswd == ''){
                $('.errorsUser p').fadeIn('fast',function(){$(this).removeClas
s('d-none')});
```



```
                setTimeout(function(){$('.errorsUser p').fadeOut('slow',functi
on(){$(this).addClass('d-none')})}, 1500);
                flag++;
            }
            else{
                if(!nameReg.test(fName)){
                    $('.fname').html('Bad format.');
                    flag++;
                }
                if(!nameReg.test(lName)){
                    $('.lname').html('Bad format.');
                    flag++;
                }
                if(!emailReg.test(email)){
                    $('.email').html('Bad email format.');
                    flag++;
                }
                if(password.length < 6){
                    $('.passwd').html('Password must have 6 or more characters
.');
                    flag++;
                }
                if(confPasswd !== password){
                    $('.confpasswd').html('Passwords do not match.');
                    flag++;
                }

            }

            if(flag == 1){
                $.ajax({
                    url: BASE_URL+`${controller}/${method}`,
                    type: 'POST',
                    data: {
                        firstName: fName,
                        lastName: lName,
                        email: email,
                        password: password,
                        confPasswd: confPasswd,
                        submit: true
                    },
                    success: function(response){
                        console.log(response);
                        if(response == ""){
                            if(controller == 'users'){
                                window.location= BASE_URL+`users/login`;
                            }
                            else{
```



```
                                window.location= BASE_URL+`${controller}`;
                            }
                        }
                        else{
                                response = JSON.parse(response);
                            for(let key in response){
                                if(response[key] != ''){

                                    $('.errorsUser').html(`<p class="text-
danger">${response[key]}</p>`);
                                }
                            }
                        }

                    },
                    error: function(xhr, status, error){
                        console.log(xhr.status);
                    }
                });
            }
    }

      function addPost(){

            var title = $("input[name='title']").val();
            var category = $("#category").val();
            var body = $('#postBody').val();
            var titleReg = /([A-Z][A-z0-9\s]+)/;

            if(title == '' || category == '0' || body == ''){

                $('.errorsPost p').fadeIn('fast',function(){$(this).removeClas
s('d-none')});
                setTimeout(function(){$('.errorsPost p').fadeOut('slow',functi
on(){$(this).addClass('d-none')})}, 1100);
            }
            else if(!titleReg.test(title)){
                $('.titleErr').html("Bad format");
            }
            else{

                $('.titleErr').empty();
            $.ajax({
                url: BASE_URL+"admin/addpost",
                type: 'POST',
                data: {
                    title: title,
                    categories: category,
                    body: body
                },
                success: function(data){
                    if(data == ""){
                        window.location= BASE_URL+'admin';
                        return;
                    }
                    else{
                        console.log(data);
                        var errors = JSON.parse(data);
                        for(let key in errors){
                            if(errors != null){
                                $('.errorsPost').html(`<p class="text-
danger">${errors[key]}</p>`);
                            }
                        }
                    }
                },
                error: function(xhr, status, error){

                }
            });
        }
    }
```