



Conceive Design Implement Operate



THỰC HỌC – THỰC NGHIỆP

Lập Trình PHP2

MVC USING PHP OOP



- Controller
- Layout
 - ❖ View
 - View core





PHAN 1



Controller Control logic

Ví dụ: nhận updates từ view sau đó thông báo model 'add item'

```
$router = new Router();
$router

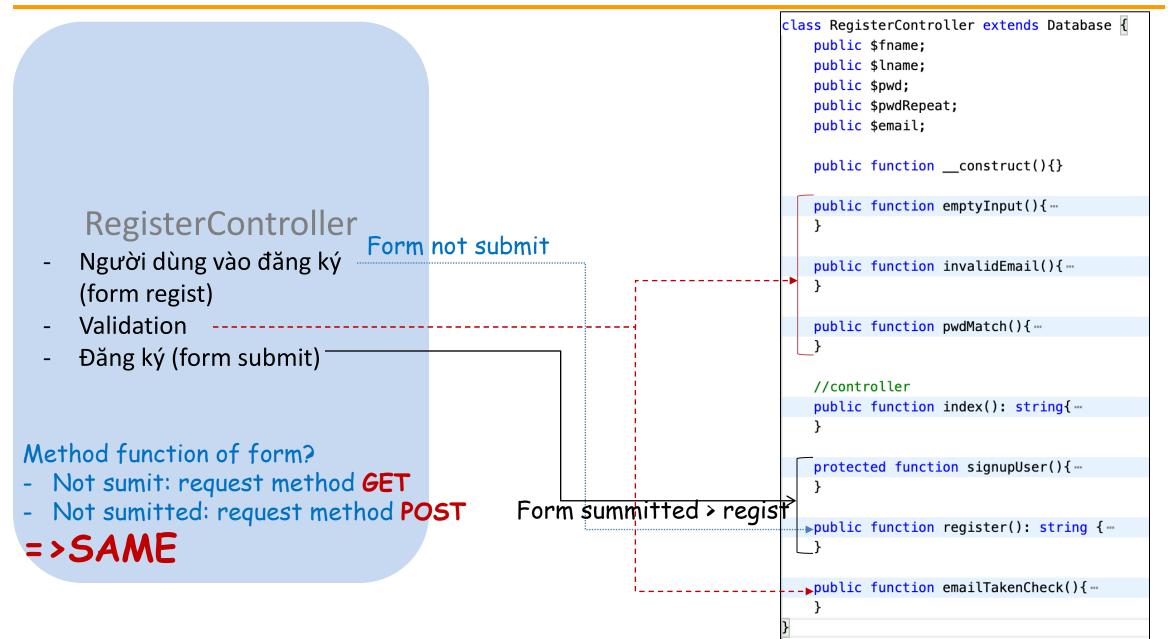
->get('/', [app\HomeController::class,'index'])
->post('/upload', [app\HomeController::class,'upload'])
->get('/login', [app\LoginController::class,'login'])
->post('/login', [app\LoginController::class,'login'])
->get('/logout', [app\LoginController::class,'logout'])
->get('/register', [app\RegisterController::class,'register'])
->post('/register', [app\RegisterController::class,'register']);
echo $router->resolve($_SERVER['REQUEST_URI'], strtolower($_SERVER['REQUEST_METHOD']));
```

CONTROLLER - HOMECONTROLLER

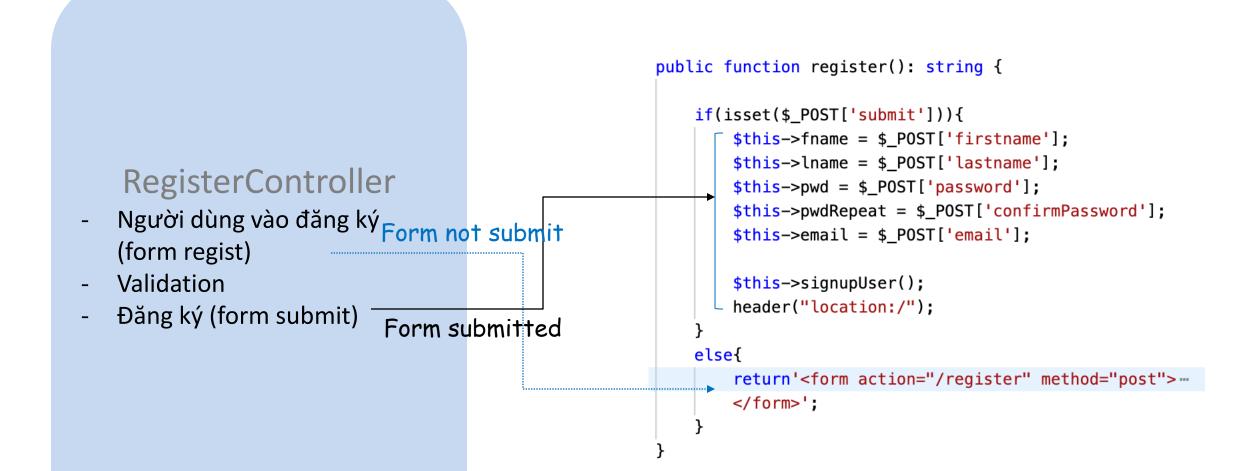
```
<?php
                                   namespace app;
    HomeController Form not submit Class HomeController {
  Người dùng vào trang chủ
                                  ----->public function index(): string{…
   (form upload files)
 Upload files vào thư mục submitted supload public function upload() { ---
Method function của form?
 Not sumit: request method GET
  Not sumitted: request method POST
=>DIFFERRENT
```



CONTROLLER - REGISTERCONTROLLER



CONTROLLER - REGISTERCONTROLLER





CONTROLLER - LOGINCONTROLLER

<?php namespace app; use app\core\Database; class LoginController extends Database{ private \$email; private \$pwd; LoginController Người dùng vào đăng nhập not-submit public function emptyInput(){--(form login) -Validation public function invalidEmail(){--Form submitted Thực hiện đăng nhập Thực hiện logout //controller public function loginUser() {--Method function of form? Not sumit: request method GET public function login(): string {--Not sumitted: request method POST =>SAME → public function logout() {…



CONTROLLER - LOGINCONTROLLER

LoginController

- Người dùng vào đăng nhập (form login) -----
- Validation
- Thực hiện đăng nhập
- Thực hiện logout

```
public function login(): string {
    if(isset($_POST['submit'])){
        $this->email = $_POST['email'];
        $this->pwd = $_POST['password'];
        $this->loginUser();
        header("location:/login");
    else
        //view
        if(isset($_SESSION['user'])){
            $fname = $_SESSION['user']['firstname'];
            $\name = \$_SESSION['user']['lastname'];
            return "{$lname} {$fname} <a href='/logout'>Logout</a>";
        } else {
        return'<form action="/login" method="post">
            <div class="form-group">
            <label>Email</label>
            <input type="text" class="form-control" name="email">
            </div>
            <div class="form-group">
            <label>Password</label>
            <input type="password" class="form-control" name="password">
            </div>
            <button type="submit" name="submit" class="btn btn-primary" value="Submi</pre>
        </form>';
```



PHAN 2

- ob_start(callback function)
- ob_get_clean()
- ob_end_clean()

```
<?php
ob_start();
//rest your code
?>
```

```
<?php

ob_start("callback");
//rest your code

?>
```

using callback

- ob_start(callback function)
- ob_get_clean()
- ob_end_clean()

```
<?php

//rest your code
ob_end_clean();

?>
```

```
<?php

//rest your code
$content = ob_get_clean();

?>
```



__toString(): chuyển đối tượng thành kiểu chuỗi

```
class Animal {
    public function __toString() {
        return "It is a " . $this->name . " with " . $this->legs . " legs.";
    }
}
$animal = new Animal('T-rex', 2);
echo $animal; // It is a T-rex with 2 legs.
?>
```



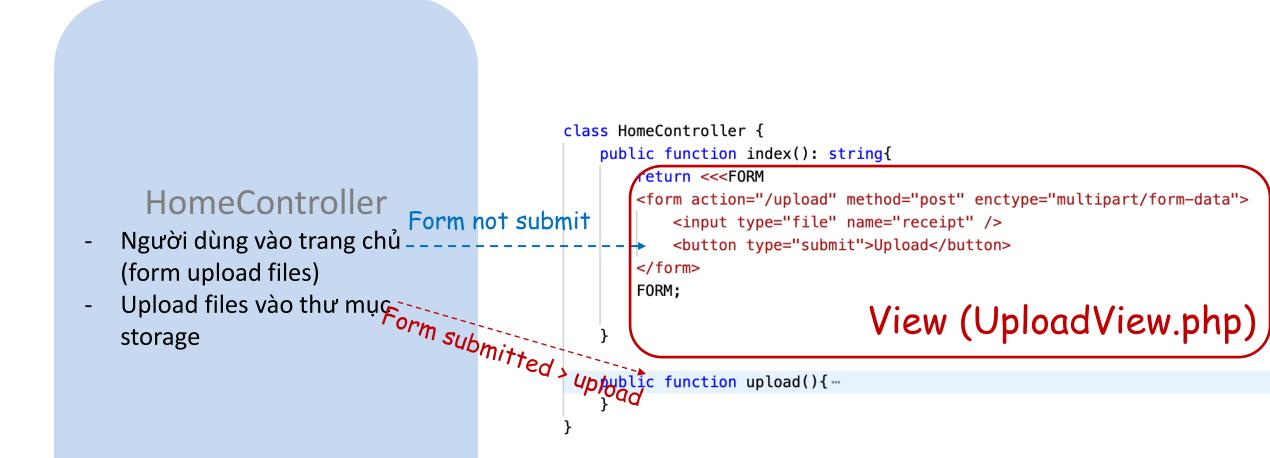
__set(): cố gắng gán một giá trị vào một thuộc tính không tồn tại trong lớp

```
public function __set($field, $value) {
  // Gán giá trị vào thuộc tính với tên $field được truyền vào.
}
```

__get(): tự động gọi khi cố gắng truy cập vào một thuộc tính không tồn tại trong lớp

```
public function __get($field) {
   // Xử lý lấy giá trị của tên $field được truyền vào
}
```

VIEW - HOMECONTROLLER



VIEW - HOMECONTROLLER

View

HomeController

Form not submit Người dùng vào trang chủ

upload files)
Upload files vào thư mục
Torage

Torage

publi
publi

```
class HomeController {
    public function index(): string {
      /*return <<<FORM
      <form action="/upload" method="post" enctype="multipart/form-data">
           <input type="file" name="receipt" />
           <button type="submit">Upload</button>
                                                    UploadView.php
       </form>
       FORM;*/
```

```
include __DIR__.'/UploadView.php';
return (string) ob_get_clean();
```

public function upload(){--

ob start();



VIEW - REGISTERCONTROLLER



VIEW - REGISTERCONTROLLER

RegisterController

- Người dùng vào đăng ký Form not submit (form regist)
- Validation
- Đăng ký (form submit) Form submitted

```
public function register(): string {
    if(isset($_POST['submit'])){
        $this->fname = $_POST['firstname'];
       $this->lname = $_POST['lastname'];
        $this->pwd = $_POST['password'];
       $this->pwdRepeat = $_POST['confirmPassword'];
       $this->email = $_POST['email'];
       $this->signupUser();
       header("location:/");
   else{
                                            View
       ob_start();
        include __DIR__.'/RegisterView.php';
       return (string) ob_get_clean();
```

VIEW - LOGINCONTROLLER

LoginController

- Người dùng vào đăng nhập (form login) - Form not submit
- Validation
- Thực hiện đăng nhập
- Thực hiện logout

```
public function login(): string {
                               if(isset($_POST['submit'])){
                                   $this->email = $_POST['email'];
                                   $this->pwd = $_POST['password'];
                                   $this->loginUser();
                                   header("location:/login");
                               else
                                   //view
                                   if(isset($_SESSION['user'])){
                                      →$fname = $ SESSION['user']['firstname'];
                                       $lname = $_SESSION['user']['lastname'];
                                       return "{$lname} {$fname} <a href='/logout'>Logout</a>";
Form submitted
                                   } else {
                                       return'<form action="/login" method="post">
                                                                                                         View
                                           <div class="form-group">
                                           <label>Email</label>
                                           <input type="text" class="form-control" name="email">
                                           </div>
                                           <div class="form-group">
                                           <label>Password</label>
                                           <input type="password" class="form-control" name="password">
                                           </div>
                                           <button type="submit" name="submit" class="btn btn-primary" value="Submit">
                                       </form>';
```

VIEW - LOGINCONTROLLER

LoginController

- Người dùng vào đăng nhập (form login) - Form not submit
- Validation
- Thực hiện đăng nhập
- Thực hiện logout

```
//view
                       if(isset($ SESSION['user'])){
                           $fname = $_SESSION['user']['firstname'];
                          $lname = $_SESSION['user']['lastname'];
                          return "{$lname} {$fname} <a href='/logout'>Logout</a>";
                       } else {
                          /*return'<form action="/login" method="post">
                               <div class="form-group">
                               <label>Email</label>
                               <input type="text" class="form-control" name="email">
                               </div>
                                                                        LoginView.php
                               <div class="form-group">
Form submitted
                               <label>Password</label>
                               <input type="password" class="form-control" name="password">
                               </div>
                               <button type="submit" name="submit" class="btn btn-primary" value="Submit"</pre>
                          </form>';*/
                          ob_start();
                                                                                     /ieu
                          include __DIR__.'/LoginView.php';
                          return (string) ob_get_clean();
```



LOAD VIEW



HomeController

```
ob_start();
include __DIR__.'/RegisterView.php';
return (string) ob_get_clean();
```

LoginController

```
ob_start();
include __DIR__.'/LoginView.php';
return (string) ob_get_clean();
```

RegisterController

```
ob_start();
include __DIR__.'/UploadView.php';
return (string) ob_get_clean();
```

HomeController

```
ob_start();
include __DIR__.'/RegisterView.php';
return (string) ob_get_clean();
```

LoginController

```
ob_start();
include __DIR__.'/LoginView.php';
return (string) ob_get_clean();
```

RegisterController

```
ob_start();
include __DIR__.'/UploadView.php';
return (string) ob_get_clean();
```

```
public function render(): string
                                  How to get?
   $viewPath = VIEW_PATH . '/' . $this->view . '.php';
    if (! file_exists($viewPath)) {
       throw new ViewNotFoundException();
   ob start();
    include $viewPath;
    return (string) ob_get_clean();
                      Magic constant
public function __toString(): string
    return $this->render();
```

```
public function __construct(
    protected string $view
) {
}

public static function make(string $view): static
{
    return new static($view);
}
```

```
public function render(): string
   $viewPath = VIEW_PATH . '/' . $this->view . '.php';
                                      How to get?
   if (! file_exists($viewPath)) {
       throw new ViewNotFoundException();
   ob_start();
    include $viewPath;
    return (string) ob_get_clean();
                      Magic constant
public function __toString(): string
    return $this->render();
```



public function __construct(protected string \$view) { } ---pub bic static function make(string \$view): static { return new static(\$view); }

```
public function render(): string
   $viewPath = VIEW_PATH . '/' . $this->view . '.php';
                                      How to get?
    if (! file_exists($viewPath)) {
       throw new ViewNotFoundException();
   ob start();
    include $viewPath;
     sturn (string) ob_get_clean();
                      Magic constant
     c function __toString(): string
     eturn $this->render();
```



VIEW CORE





- **☑** Layout
 - ❖ View
 - View core



