



THỰC HỌC – THỰC NGHIỆP



Conceive Design Implement Operate

LẬP TRÌNH PHP2

MVC USING PHP OOP

- ◎ Layout
 - ❖ View với parameters
 - ❖ Layout
 - ❖ Multilayout
- ◎ Models
- ◎ CRUD





PHẦN 1

LoginController

- Người dùng vào đăng nhập (form login) *Form not submit*
- Validation
- Thực hiện đăng nhập *Form submitted*
- 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>";
        } else {
            /*return '<form action="/login" method="post">...
            </form>';*/
            return View::make('LoginView');
        }
    }
}

```

Parameters
+
View

View core

```
public function __construct(
    protected string $view,
    protected array $params = []
) {
}

public static function make(string $view, array $params = []): static
{
    return new static($view, $params);
}
```

```
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>";
        } else {
            /*return '<form action="/login" method="post">...
            </form>';*/
            return View::make('LoginView');
        }
    }
}
```

Parameters
+
View

LoginController

View core

```
public function __construct(
    protected string $view,
    protected array $params = []
) {
}

public static function make(string $view, array $params = []): static
{
    return new static($view, $params);
}
```

```
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>";

            $params = [
                'fname' => $fname,
                'lname' => $lname
            ];
            return View::make('LogoutView', $params);
        } else {
            /*return '<form action="/login" method="post"> ...
            </form>';*/
            return View::make('LoginView');
        }
    }
}
```

show
parameter
on view?

LoginController

View core

```
public function __construct(
    protected string $view,
    protected array $params = []
) {
}

public static function make(string $view, array $params = []): static
{
    return new static($view, $params);
}

public function __get(string $name)
{
    return $this->params[$name] ?? null;
}
```

```
public function login(): string {
    if(isset($_POST['submit']))
    {
        $this->email = $_POST['email'];
        $this->pwd = $_POST['password'];

        $this->loginUser();
        header("location:/logout");
    }
    else
    {
        //view
        if(isset($_SESSION['user'])) {
            $fname = $_SESSION['user']['firstname'];
            $lname = $_SESSION['user']['lastname'];
            //return "{$lname} {$fname} <a href='/logout'>Logout</a>";

            $params = [
                'fname' => $fname,
                'lname' => $lname
            ];
            return View::make('LogoutView', $params);
        } else {
            /*return '<form action="/login" method="post"> ...
            </form>';*/
            return View::make('LoginView');
        }
    }
}
```

mvc_simple > LogoutView.php > a

```
1 <?php
2 echo $fname.' '.$lname;
3 ?>
4
5 <a href='/logout'>Logout</a>
```

show
parameter
on view

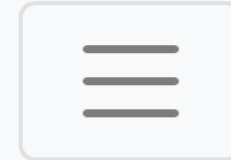
LoginController



VIEW CORE VỚI PARAMETERS

Main
layout

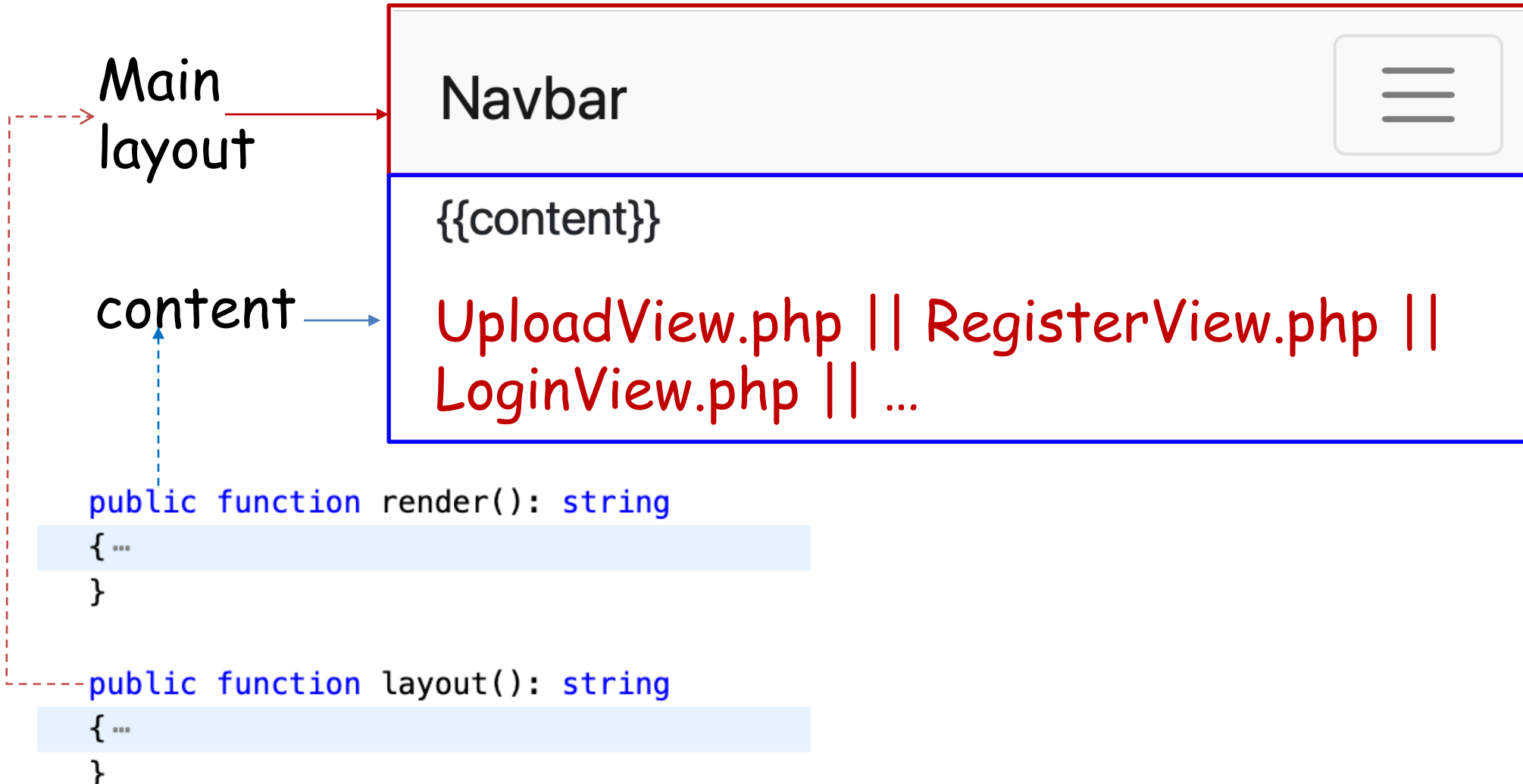
Navbar

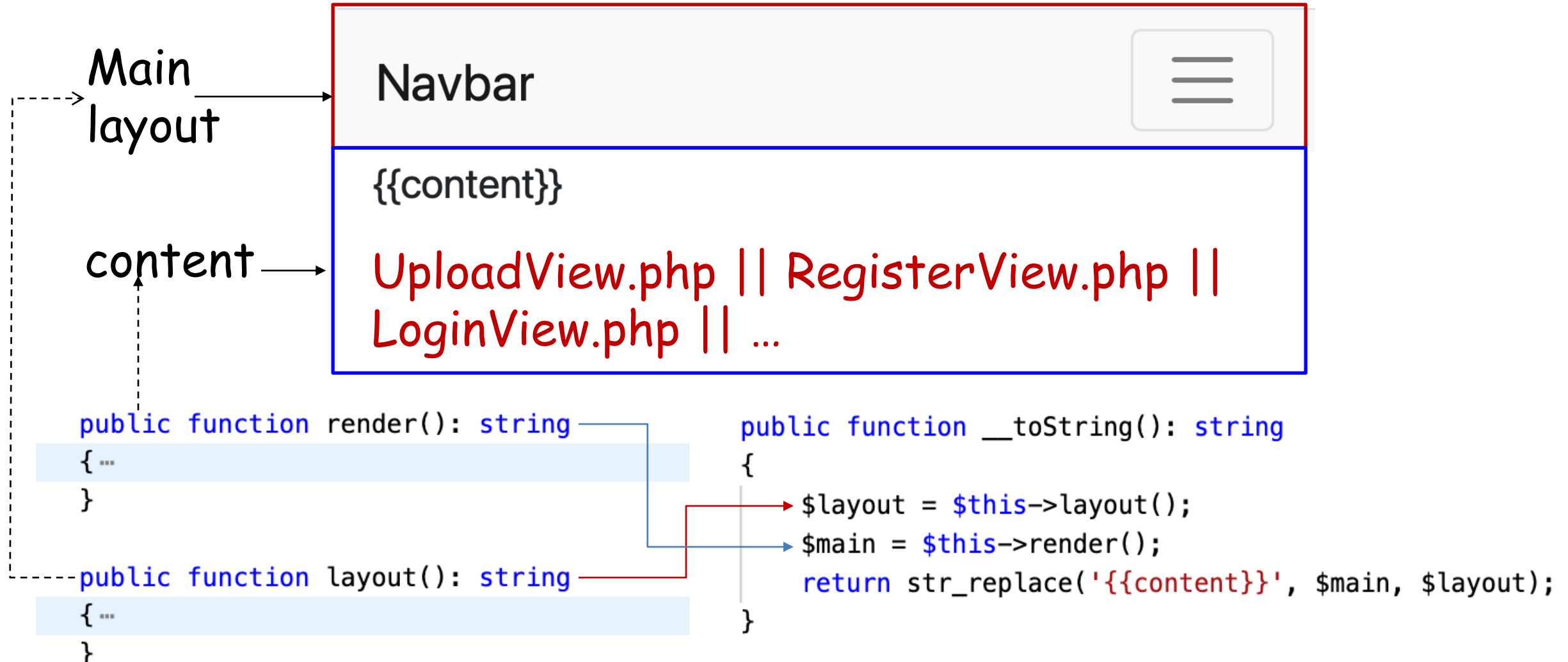


{{content}}

content

UploadView.php || RegisterView.php ||
LoginView.php || ...





How?

Firstname

Lastname

Email

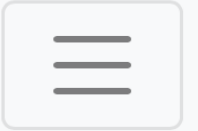
Password

Confirm Password

Submit

register

Navbar



Email

Password

Submit

login



VIEW CORE - LAYOUT



PHẦN 2

LoginModel.php

- Lấy thông tin người dùng dựa vào email, password

```
class LoginController extends Database{  
    private $email;  
    private $pwd;  
  
    public function emptyInput(){ ...  
    }  
  
    public function invalidEmail(){ ...  
    }  
  
    //model  
    protected function getUser($email,$pwd){ ...  
    }  
  
    //controller  
    public function loginUser() { ...  
    }  
  
    public function login(): string { ...  
    }  
  
    public function logout() { ...  
    }  
}
```

```
class LoginModel extends Database {
    //model
    protected function getUser($email,$pwd){ ...
    }
}
```

inheritance

Database.php mvc_simple/core

PHP2

> storage

> trash

> vendor

⚙ .env

≡ .env.example

📄 .gitignore

{ } composer.json

{ } composer.lock

≡ composer.phar

🐘 HomeController.php

🐘 index.php

🐘 LoginController.php

🐘 LoginModel.php

inheritance

```
class LoginController extends LoginModel
```

🐘 RegisterController.php

🐘 RegisterModel.php

🐘 RegisterView.php

🐘 UploadView.php

LoginModel::getUser()

RegisterModel.php

- Kiểm tra người dùng đã có hay chưa
- Thêm người dùng (người đăng ký)

```
class RegisterController extends Database {
    public $fname;
    public $lname;
    public $pwd;
    public $pwdRepeat;
    public $email;

    public function __construct(){}

    public function emptyInput(){ ...
    }

    public function invalidEmail(){ ...
    }

    public function pwdMatch(){ ...
    }

    protected function checkUser($email){ ...
    }

    protected function setUser($fname, $lname, $pwd, $email){ ...
    }

    //controller
    public function index(): string{ ...
    }

    protected function signupUser(){ ...
    }
```

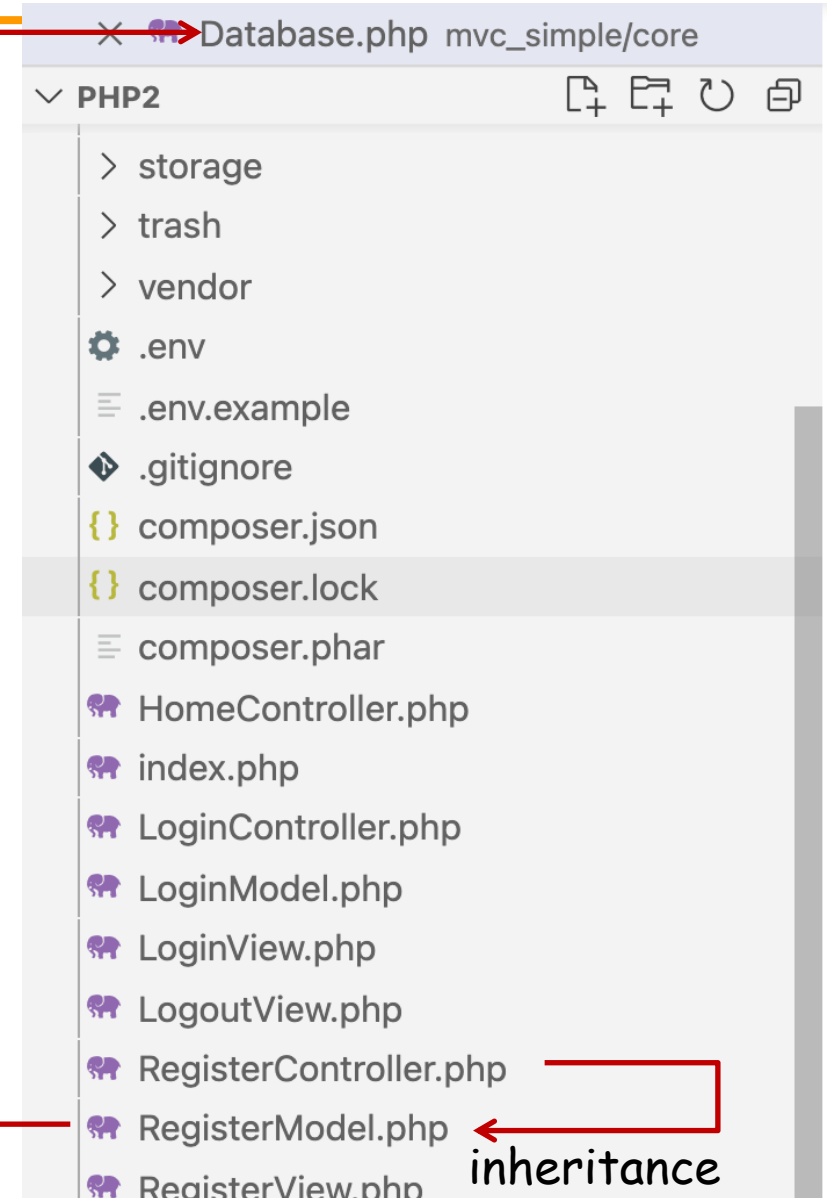
```
class RegisterModel extends Database {
    //model
    protected function checkUser($email){ ...
    }

    protected function setUser($fname, $lname, $pwd, $email){ ...
    }
}
```

inheritance

RegisterModel::checkUser()

RegisterModel::setUser()



inheritance

```
class RegisterController extends RegisterModel
```

demo

MODEL



PHẦN 3

```
class Database
{
    public $que;
    private $servername = "192.168.64.2";
    private $username = "tram";
    private $password = "ZMu0eX@F*F(xYN65";
    private $dbname = "mvc_framework";
    private $result=array();
    private $mysqli='';

    public function __construct(){ ...
    }

    public function insert($table,$para=array()){ ...
    }

    public function update($table,$para=array(),$id=null){ ...
    }

    public function delete($table,$id){ ...
    }

    public $sql;

    public function select($table,$rows="*", $where = null){ ...
    }

    public function __destruct(){
        $this->mysqli->close();
    }
}
```

```
class LoginModel extends Database {
    //model
    protected function getUser($email,$pwd){

        $stmt = new Database();
        $stmt->select("users", "*", "email='{ $email}'");
        $result = $stmt->sql;

        if($result->num_rows == 0){
            $stmt = null;
            header("location:login?error=usernotfound");
            exit();
        }
        $user = mysqli_fetch_assoc($result); //one row

        $checkpwd = password_verify($pwd,$user['password']);
        if($checkpwd==false){
            $stmt = null;
            header("location:login?error=wrongpassword");
            exit();
        } else if($checkpwd==true){
            $_SESSION['user'] = $user;
        }
    }

    /*protected function getUser($email,$pwd){ ...
    }*/
}
```

```
class Database
```

```
{
```

```
    public $que;
```

```
    private $servername = "192.168.64.2";
```

```
    private $username = "tram";
```

```
    private $password = "ZMu0eX@F*F(xYN65";
```

```
    private $dbname = "mvc_framework";
```

```
    private $result=array();
```

```
    private $mysqli='';
```

```
    public function __construct(){ ...
```

```
}
```

```
    public function insert($table,$para=array()){ ...
```

```
}
```

```
    public function update($table,$para=array(),$id=null){ ...
```

```
}
```

```
    public function delete($table,$id){ ...
```

```
}
```

```
    public $sql;
```

```
    public function select($table,$rows="*", $where = null){ ...
```

```
}
```

```
    public function __destruct(){
```

```
        $this->mysqli->close();
```

```
}
```

```
}
```

Code

```
$args = array();
```

```
foreach ($para as $key => $value) {
```

```
    $args[] = "$key = '$value'";
```

```
}
```

```
$sql="UPDATE $table SET " . implode(', ', $args);
```

```
$sql .=" WHERE $id";
```

```
$result = $this->mysqli->query($sql);
```

Ví dụ (gợi ý)

```
$a = new Database();
```

```
$a->update('data', [
```

```
    'name'=>$name,
```

```
    'email'=>$email,
```

```
    'phone'=>$phone,
```

```
    'subject'=>$subject,
```

```
    'message'=>$message,
```

```
    'updated'=>$date],
```

```
    "id='$id'");
```

```
if ($a == true) {
```

```
    header('location:index.php');
```

```
}
```

```
class Database
```

```
{
```

```
    public $que;
```

```
    private $servername = "192.168.64.2";
```

```
    private $username = "tram";
```

```
    private $password = "ZMu0eX@F*F(xYN65";
```

```
    private $dbname = "mvc_framework";
```

```
    private $result=array();
```

```
    private $mysqli='';
```

```
    public function __construct(){ ...
```

```
}
```

```
    public function insert($table,$para=array()){ ...
```

```
}
```

```
    public function update($table,$para=array(),$id=null){ ...
```

```
}
```

```
    public function delete($table,$id){ ...
```

```
}
```

```
    public $sql;
```

```
    public function select($table,$rows="*", $where = null){ ...
```

```
}
```

```
    public function __destruct(){
```

```
        $this->mysqli->close();
```

```
}
```

```
}
```

Ví dụ (gợi ý)

```
if (isset($_POST['submit'])) {
```

```
    $name = $_POST['name'];
```

```
    $email = $_POST['email'];
```

```
    $phone = $_POST['phone'];
```

```
    $subject = $_POST['subject'];
```

```
    $message = $_POST['message'];
```

```
    $date = date("Y-m-d h:i:s A");
```

```
    $a = new Database();
```

```
    $a->insert('data', [
```

```
        'name'=>$name,
```

```
        'email'=>$email,
```

```
        'phone'=>$phone,
```

```
        'subject'=>$subject,
```

```
        'message'=>$message,
```

```
        'created'=>$date,
```

```
        'updated'=>$not]);
```

```
    if ($a == true) {
```

```
        header('location:index.php');
```

```
    }
```

```
}
```

```
class Database
```

```
{
```

```
    public $que;
    private $servername = "192.168.64.2";
    private $username = "tram";
    private $password = "ZMu0eX@F*(xYN65";
    private $dbname = "mvc_framework";
    private $result=array();
    private $mysqli='';
```

```
    public function __construct(){ ...
}
```

```
    public function insert($table,$para=array()){ ...
}
```

```
    public function update($table,$para=array(),$id=null){ ...
}
```

```
    public function delete($table,$id){ ...
}
```

```
    public $sql;
```

```
    public function select($table,$rows="*", $where = null){ ...
}
```

```
    public function __destruct(){
        $this->mysqli->close();
    }
}
```

Code

```
$table_columns = implode(',', array_keys($para));
$table_value = implode("','", $para);
```

```
$sql="INSERT INTO $table($table_columns) VALUES('$table_value')";
```

```
@var string $sql
```

```
$result = $this->mysqli->query($sql);
```



```
class Database
```

```
{
    public $que;
    private $servername = "192.168.64.2";
    private $username = "tram";
    private $password = "ZMu0eX@F*F(xYN65";
    private $dbname = "mvc_framework";
    private $result=array();
    private $mysqli='';

    public function __construct(){ ...
    }

    public function insert($table,$para=array()){ ...
    }

    public function update($table,$para=array(),$id=null){ ...
    }

    public function delete($table,$id){ ...
    }

    public $sql;

    public function select($table,$rows="*", $where = null){ ...
    }

    public function __destruct(){
        $this->mysqli->close();
    }
}
```

Ví dụ (gợi ý)

Code

```
$sql="DELETE FROM $table";
$sql .=" WHERE $id ";
$sql;
$result = $this->mysqli->query($sql);
```

```
$id = $_POST['id'];

$a = new database();
$a->delete('data',"id='$id'");
```

demo

☑ Layout

❖ View với parameters

❖ Layout

❖ Multilayout

☑ Models

☑ CRUD



thank
you!