

StudentExampleController.php

<?php	
	<code>include_once("../model/StudentExampleModel.php");</code>
	<code>class StudentController {</code>
	<code> public \$student;</code>
	<code> public function __construct(){</code>
	<code> \$this->student = new Student();</code>
	<code> }</code>
	<code> public function invoke(){</code>
	<code> if (!isset(\$_GET["student"])){</code>
	<code> // if not get specify student -> get all</code>
	<code> \$students = \$this->student->getAll();</code>
	<code> include "../view/student/studentlist.php";</code>
	<code> }</code>
	<code> else{</code>
	<code> // if get specify student</code>
	<code> \$student = \$this->student->find(\$_GET["student"]);</code>
	<code> include "../view/student/viewstudent.php";</code>
	<code> }</code>
	<code> }</code>
	<code>}</code>
	<code>?></code>

Model Database

<?php

// lớp kết nối và truy xuất cơ sở dữ liệu

class Database {

public static \$hostname = "localhost";

public static \$username = "root";

public static \$password = "";

public static \$dbname = null;

protected \$conn = null;

public function __construct(){

\$this->connect();

echo "Set default database!";

}

public function connect(){

\$this->conn = mysqli_connect(static::\$hostname,

static::\$username, static::\$password, static::\$dbname) or die ('Connect Error!');

mysqli_query(\$this->conn, "SET NAMES 'utf8'");

}

public function disconnect(){

if(\$this->conn)

mysqli_close(\$this->conn);

}

public static function query(\$sql){

try{

\$result = mysqli_query(\$this->conn, \$sql) or die ('Query Error!');

return \$result;

catch(mysqli_sql_exception \$e){

return false;

}

}

}

?>

Model Model

<?php	
	// lớp chung cho từng bảng dữ liệu
	class Model extends Database{
	public \$tableName;
	public \$properties = array();
	public \$primaryKey;
	public function __construct(\$tableName){
	parent::__construct();
	\$this->tableName = \$tableName;
	}
	public function getAll(){
	\$sql = "SELECT * FROM {\$tableName}";
	\$result = seft::query(\$sql);
	return fetch(\$result);
	}
	public function find(\$pKeyValue){
	\$pKey = isset(\$primaryKey) ? \$primaryKey : "id";
	\$sql = "SELECT * FROM {\$tableName} WHERE {\$pKey} =
{ \$pKeyValue }";	
	\$result = seft::query(\$sql);
	return fetch(\$result)[0];
	}
	public function findBy(\$key, \$value){
	\$sql = "SELECT * FROM {\$tableName} WHERE {\$key} = {\$value}";
	\$result = seft::query(\$sql);
	return fetch(\$result);
	}
	public function findLike(\$key, \$value){
	\$sql = "SELECT * FROM {\$tableName} WHERE {\$key} = %{\$value}%";
	\$result = seft::query(\$sql);
	return fetch(\$result);
	}
	public function delete(\$key, \$value){
	\$sql = "DELETE FROM {\$tableName} WHERE {\$key} = {\$value}";
	result = seft::query(\$sql);
	if(\$result)
	echo "Delete successful!";
	else
	echo "Delete failed!";
	}
	public function fetch(\$data){
	\$result = array();
	if (\$data->num_rows > 0) {
	// output data of each row
	while(\$row = \$data->fetch_assoc()) {
	\$result[count(\$result)] = \$row;
	}
	} else {
	echo "0 results";
	}
	return \$result;
	}
	}
?>	

StudentExampleModel.php

<?php	
	//examples class
	class Student extends Model{
	public \$id;
	public \$name;
	public \$class;
	public function __construct(){
	parent::__construct();
	echo "Create object without define properties!";
	}
	public function __construct(\$id, \$name, \$class){
	\$this->id = \$id;
	\$this->name = \$name;
	\$this->class = \$class;
	\$this->primaryKey = isset(\$primaryKey) ? \$primaryKey : "id";
	\$this->tableName = \$tableName get_class(\$this);
	}
	public function save(){
	\$this->primaryKey = isset(\$primaryKey) ? \$primaryKey : "id";
	\$this->tableName = isset(\$tableName) ? \$tableName :
	get_class(\$this);
	\$sql = "SELECT * FROM {\$tableName} WHERE {\$primaryKey} =
	\$this->\$primaryKey";
	\$result = seft::query(\$sql);
	if (\$result->num_rows > 0) {
	\$sql = "UPDATE {\$tableName} SET id = '{\$id}', name =
	'{\$name}', class = '{\$class}' WHERE {\$primaryKey} = \$this->\$primaryKey";
	} else {
	\$sql = "INSERT INTO {\$tableName} VALUES ('{\$id}',
	'{\$name}', '{\$class}')";
	}
	\$result = seft::query(\$sql);
	if(\$result)
	echo "Save successful!";
	else
	echo "Save failed";
	}
	}
	?>

[studentlist.php](#)

<html>	
	<head></head>
	<body>
	<table>
	<tbody><tr><td>Title</td><td>Author</td><td>Description</td></tr></tbody>
	<?php
	foreach (\$students as \$id => \$student)
	{
	echo '<tr><td>id.'">'. \$student->id.'</td><td>'. \$student->name.'</td><td>'. \$student->class.'</td></tr>';
	}
	?>
	</table>
	</body>
	</html>

[viewstudent.php](#)

<html>	
	<head></head>
	<body>
	<?php
	echo "Id: {\$student->id} ";
	echo "Name: {\$student->name} ";
	echo "Class: {\$student->class} ";
	?>
	</body>
	</html>

config.php

<?php

```
// config Database
const $APP_NAME = "PHP-MVC";
const $AUTHOR = "DMT"
const $HOST_NAME = "localhost";
const $USER_NAME = "root";
const $PASSWORD = "";
const $DBNAME = null;
```







?>

index.php

<?php

```
include_once("config.php");
include_once("model/Database.php");
include_once("controller/StudentExampleController.php");
Database::$hostname = $HOST_NAME;
Database::$username = $USER_NAME;
Database::$password = $PASSWORD;
Database::$dbname = $DBNAME;
$studentController = new StudentController();
$studentController->invoke();
```

?>

 controller	complete version1	15 hours ago
 model	complete version1	15 hours ago
 views/student	complete version1	15 hours ago
 README.md	complete version1	15 hours ago
 config.php	Update config.php	15 hours ago
 index.php	complete version1	15 hours ago