Create your WEB Application with MVC paradigm and OPP – PAP support

Tutorial 2

Considerations: please give maximum attention to the folder and files names because any error name the program don't work.
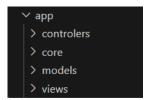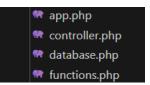
Folders:

You will create 4 folders inside the application folder like the print:

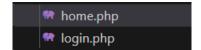These will be the folders that contain your program logic.

Inside these folders you will place all the code from your files, to create separation and easier to read code for your application.
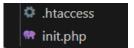
Folder core: create the following files:

Folder controlers: create for now just the home.php file

Attention: Inside the app folder you have already created this two files and put the code inside.

Let's begin the construction for our logic aplication:

The URL are composed, using this paradigm by the follow example:

http:// Control / methods / parameters

Let's analyze the structure of the provided URL:

   http:// - is the protocol used to access the resource.

   Control: part of the URL that would normally be the name of the controller in the MVC architecture.

   methods: indication that the next part of the URL refers to a method (or action) within the controller.

   parameters: suggests that the next components of the URL are parameters that will be passed to the controller method.

For example, considering an application that deals with user-related resources:

http://example.com/User/create/: In this case, User would be the driver, create would be the method (or action) within the driver and would have no additional restrictions.

http://example.com/User/show/123: Here, User would be the controller, show would be the method, and 123 would be a parameter passed to the method, probably representing the user ID to be determined.

This type of structure makes it easier to organize and maintain web applications, following MVC principles, where business logic (controllers) is separated from presentation (views) and data (models).

Let's start construction

Inside file name app.php put this code:

Class App

The App class is the application's entry point. It defines properties for the default controller ($controller), default method ($method), and URL parameters ($params).

```php
class App
{
    protected $controller = "home";
    protected $method ="index";
```

In short, this PHP code creates an App class that parses the requested URL to determine the controller and method to be executed. By default, the controller is set to "home" and the method is set to "index". The parseURL() function is responsible for extracting the part of the URL after the domain and dividing it into segments to be used in determining the controller and method.

```php
public function __construct()
{

    $url = $this->parseURL();
    show($url);
}

private function parseURL()
{
    $url = isset($_GET['url']) ? $_GET['url'] : "home";
    return explode("/", filter_var(trim($url,"/"),FILTER_SANITIZE_URL));
}
```

END Tutorial 2

Reference: **PHP Ecommerce website development | Create the app class | MVC OOP - Quick programming**