

```
<?php
```

```
// app.php
```

```
class App{
```

```
    protected $controller;
```

```
    protected $method;
```

```
    public function __construct($router){
```

```
        $url=$this->parseUrl();
```

```
        $router->route($url);
```

```
    }
```

```
    public function parseUrl(){
```

```
        if(isset($_GET['url'])){
```

```
            $url=filter_var(rtrim($_GET['url'],'/'),FILTER_SANITIZE_URL);
```

```
            return $url;
```

```
        }
```

```
    }
```

```
}
```

```
// controller.php
```

```
class Controller{
```

```
    protected function view($view){
```

```
        require_once __DIR__.'../../views/'.$view.'.php';
```

```
    }
```

```
}
```

```
// router.php
```

```
class Router{
```

```
    protected $routes=[];
```

```
    protected $controller='ErrorPage';
```

```
    protected $method='pageNotFound';
```

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

```
        $this->routes=[];
```

```
    }
```

```
    public function addRoute($pattern,$controller,$method){
```

```
        array_push($this->routes,[$pattern,$controller,$method]);
```

```
    }
```

```
    public function route($url){
```

```
        foreach($this->routes as $route){
```

```

        if($url==$route[0]){
            $this->controller=$route[1];
            $this->method=$route[2];
            break;
        }
    }

    require_once __DIR__.'../../controllers/'.$this->controller.'.php';
    //=====

==//

    // homecontroller.php
    //for an example this time it loads the Home controller by above requ
ire

    class Home extends Controller{
        //This method get inherited
        // protected function view($view){
        //     require_once __DIR__.'../../views/'.$view.'.php';
        // }
        public function index(){
            $this->view('home/index');
        }
    }
    //=====

==//

    $this->controller=new $this->controller();
    call_user_func(array($this->controller,$this->method));
}

}
// init.php
$router=new Router();
//Home
$router->addRoute('', 'Home', 'index');

$app=new App($router);

// index.php
?>

```