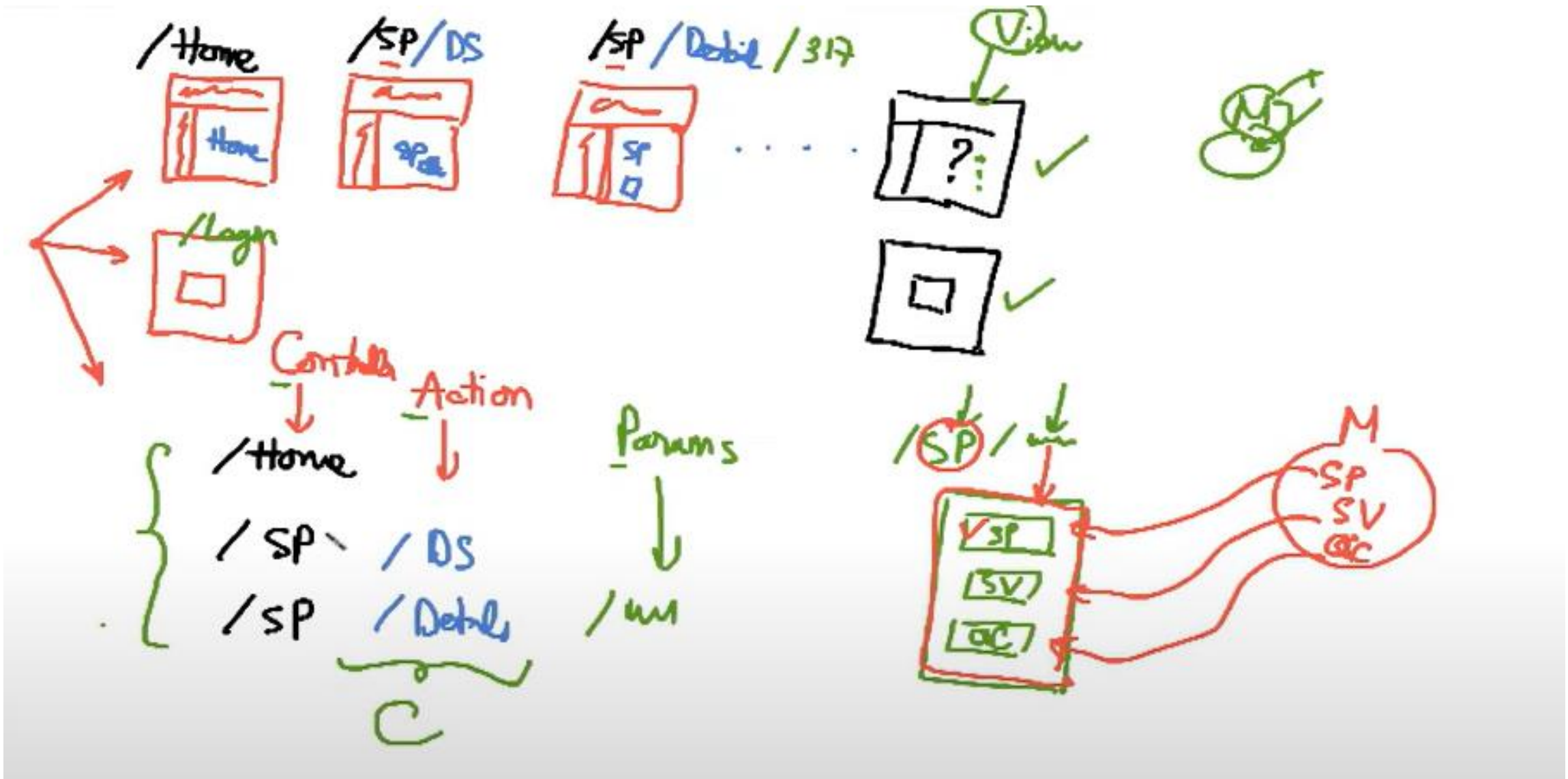
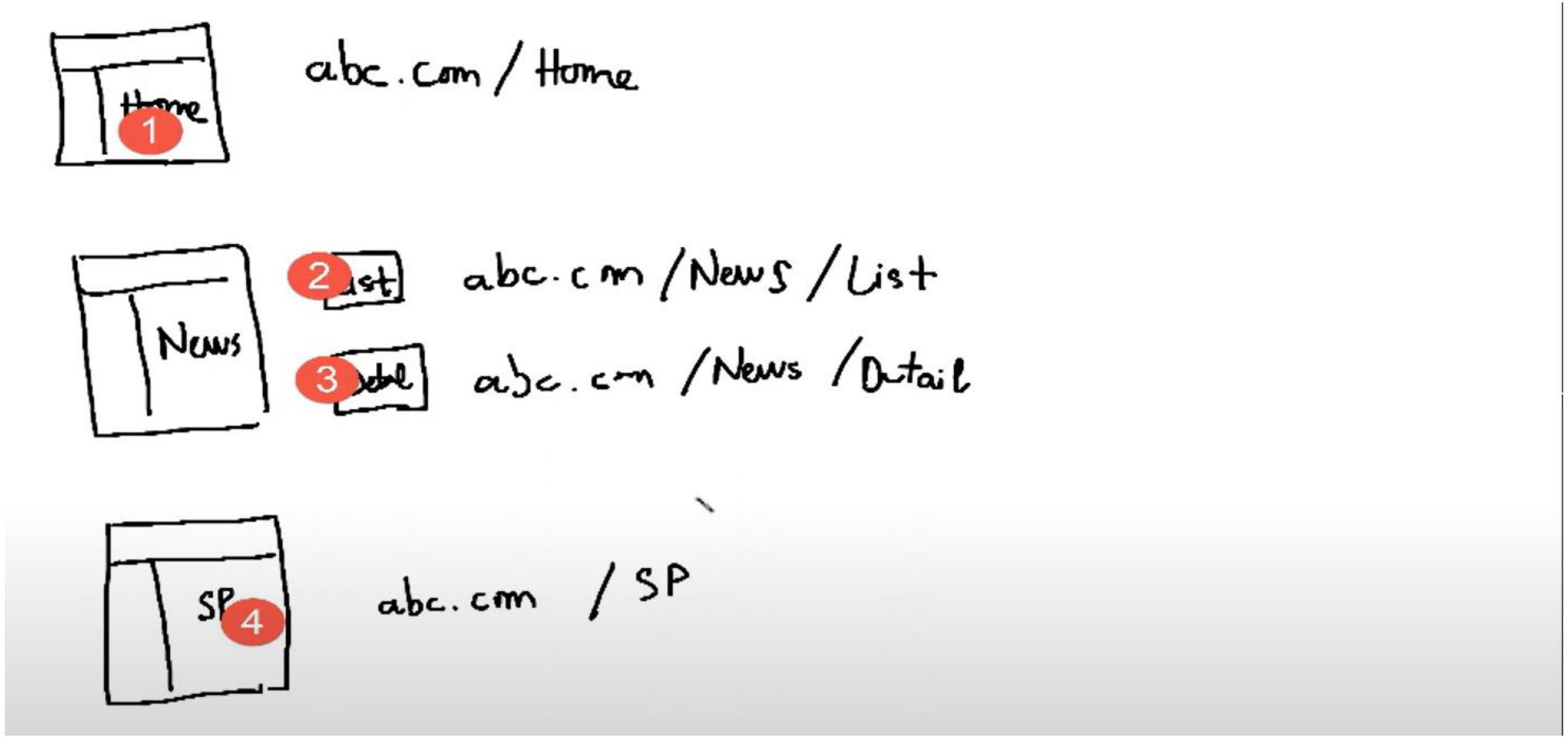
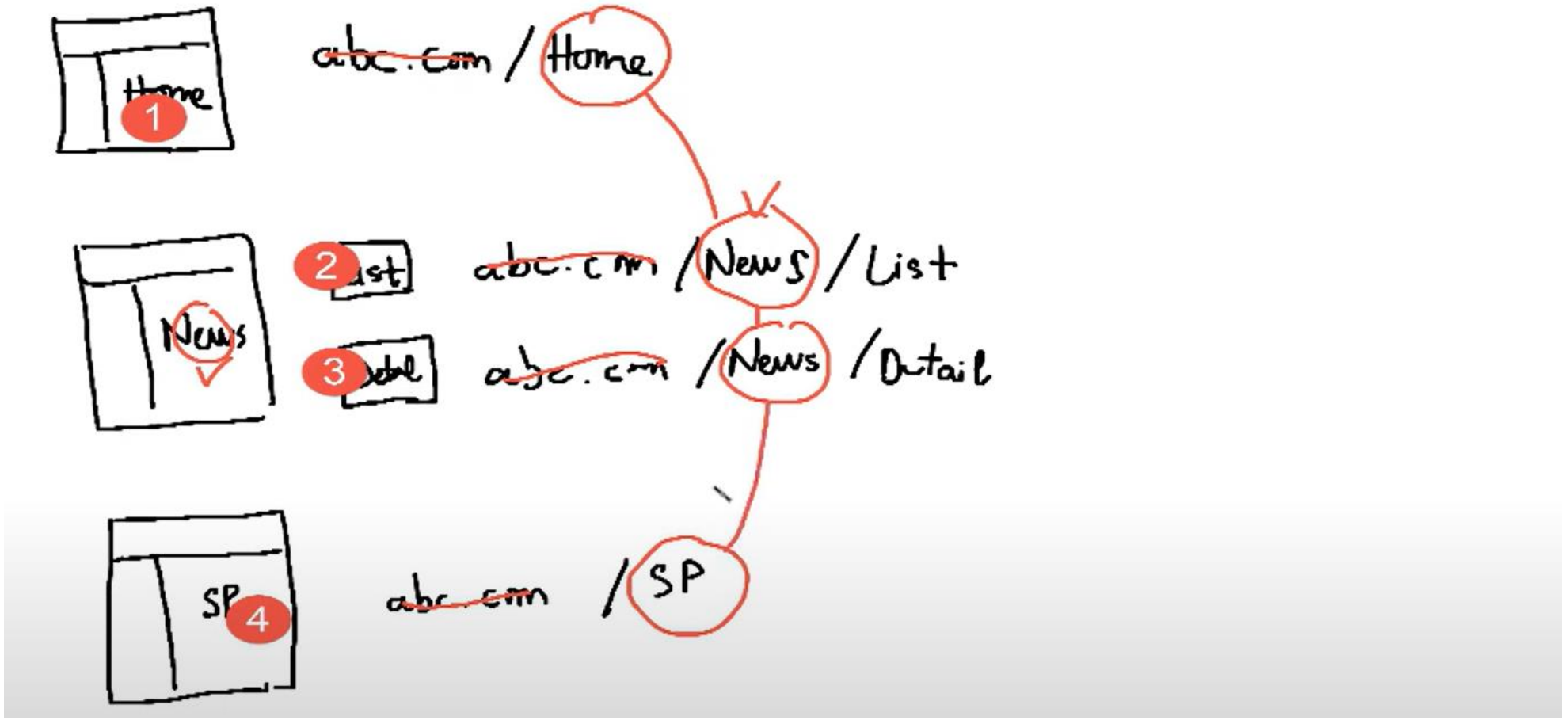

/Home
/SP/DS
/SP/Detail/317
View
Home
SP
?
/Login
Controller
Action
Params
/Home
/SP
/DS
/SP
/Detail
/SP
M
SP
SV
VSP
SV

MVC Model

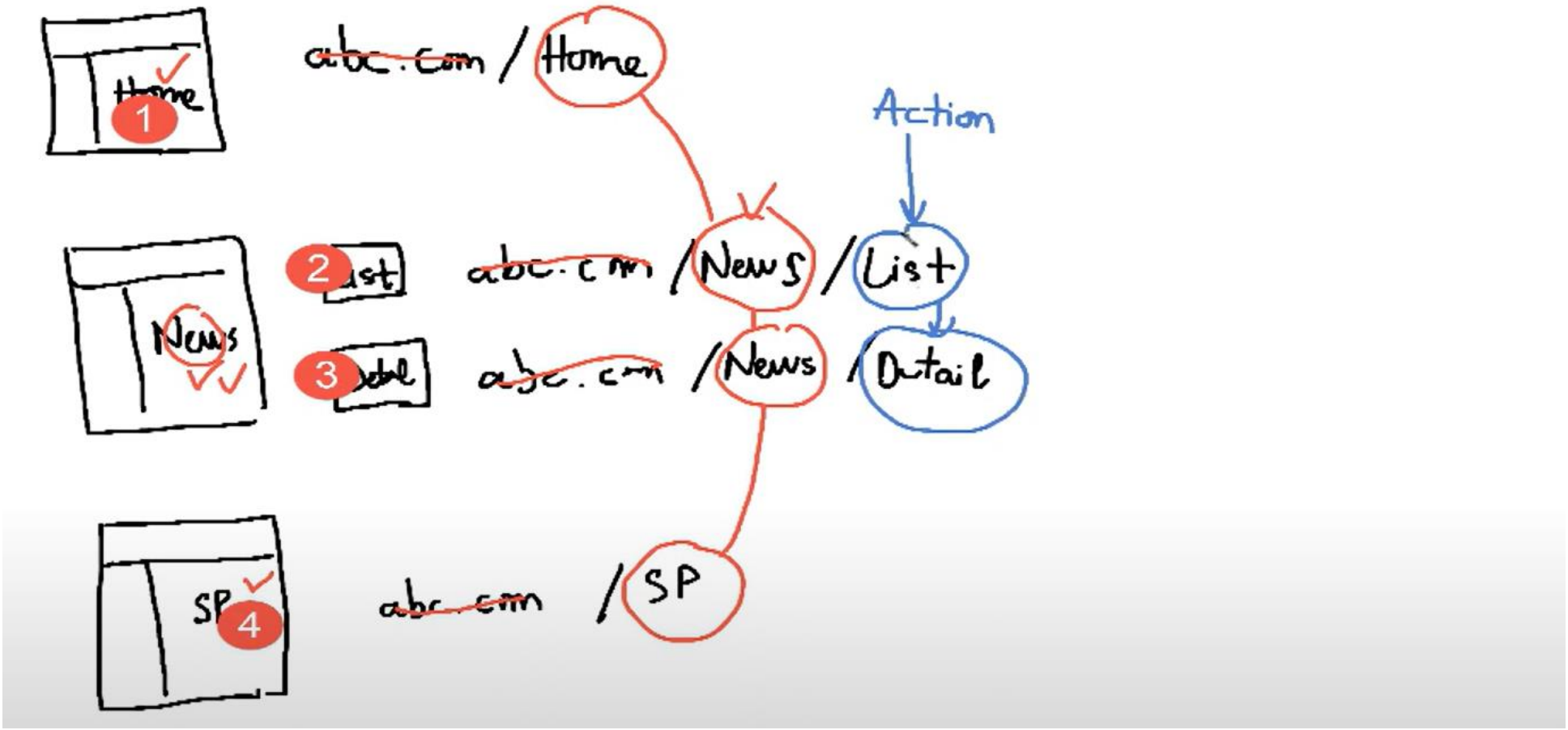

Home
1
abc.com / Home
News
2
abc.com / News / List
3
abc.com / News / Detail
SP
4
abc.com / SP

Controller

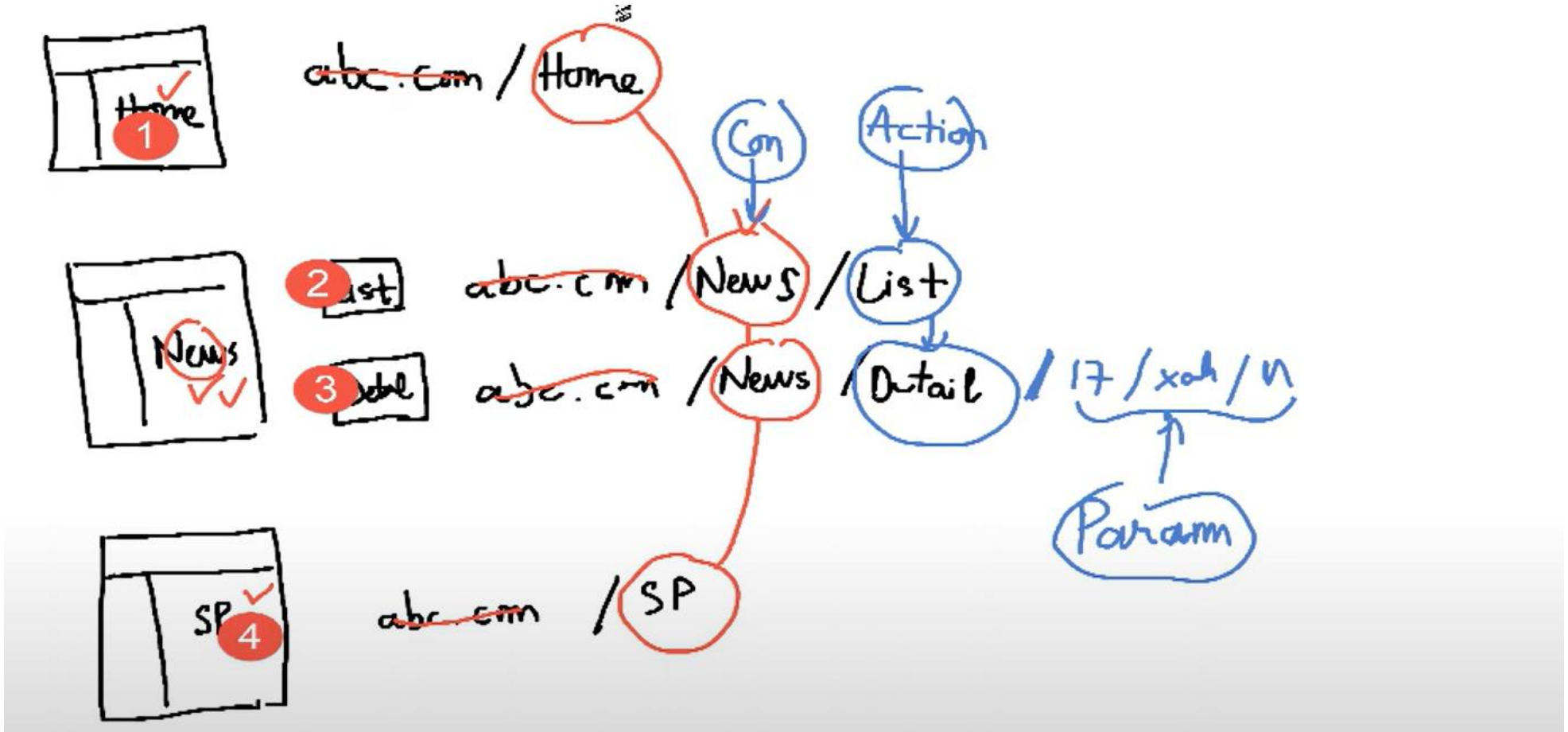


All controller will be implement in index.php

Action

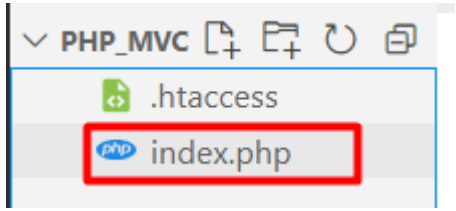

Home
1
abc.com / Home
Action
News
2
abc.com / News / List
3
abc.com / News / Detail
SP
4
abc.com / SP

Params


Home
1
abc.com / Home
Con
Action
News
2
abc.com / News / List
3
abc.com / News / Detail / 17 / xah / n
Param
SP
4
abc.com / SP

Start to code

- Create project in htdoc
- Create **`index.php`** file:




```php
<?php
    echo $_GET["url"];
?>
```

Start to code

http://localhost/phpmvc/index.php

- http://localhost/phpmvc/**Home**
- http://localhost/phpmvc/**News**
- http://localhost/phpmvc/**News**/Detail/
- http://localhost/phpmvc/**Contact**

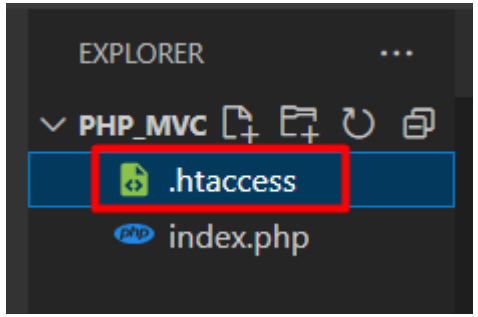
What we want is all the URL user access with direct to **`index.php`**

`Example:` http://localhost/phpmvc/**Home**

`It will be:` http://localhost/phpmvc/index.php?url=Home

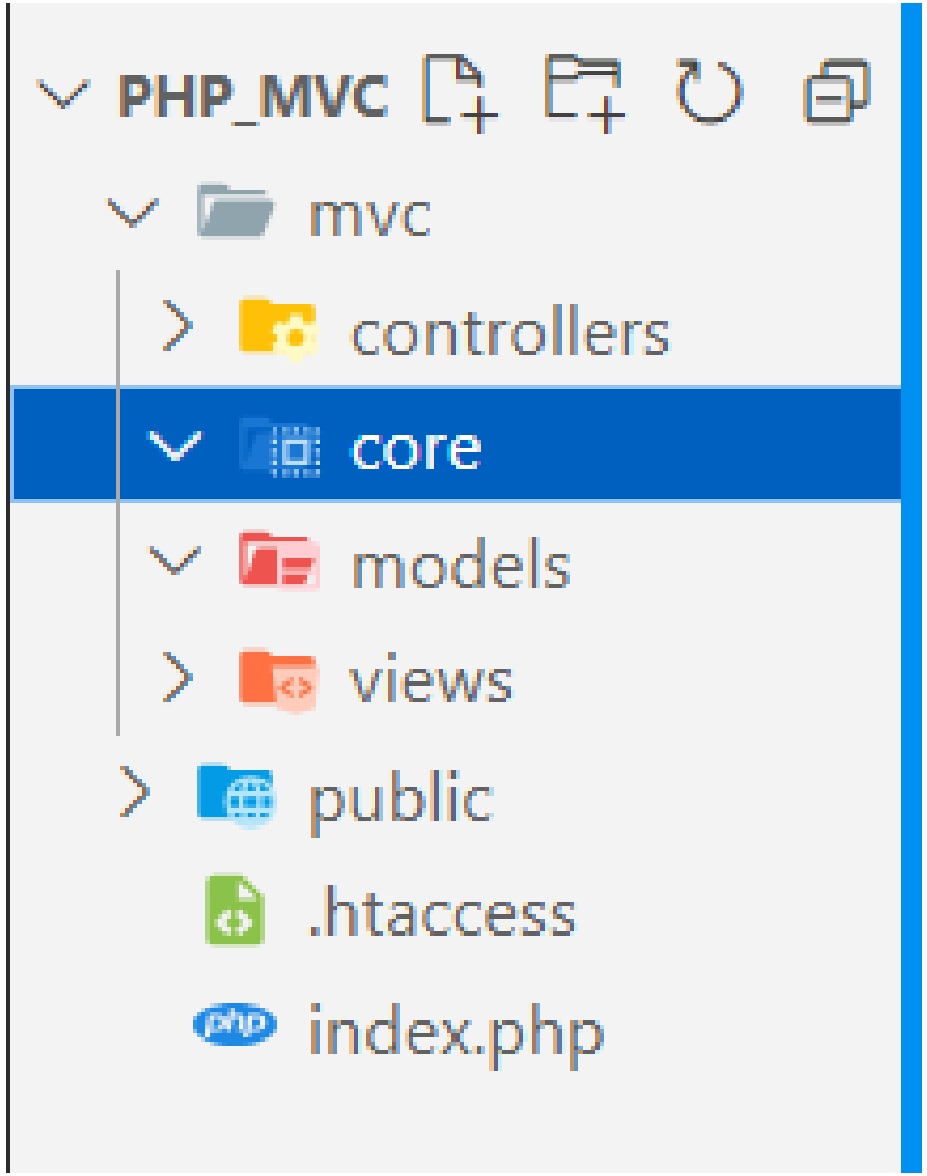
Create htaccess

```
RewriteEngine On
RewriteCond %{REQUEST_FILENAME} !-d
RewriteCond %{REQUEST_FILENAME} !-f

RewriteRule ^(.+)$ index.php?url=$1
```

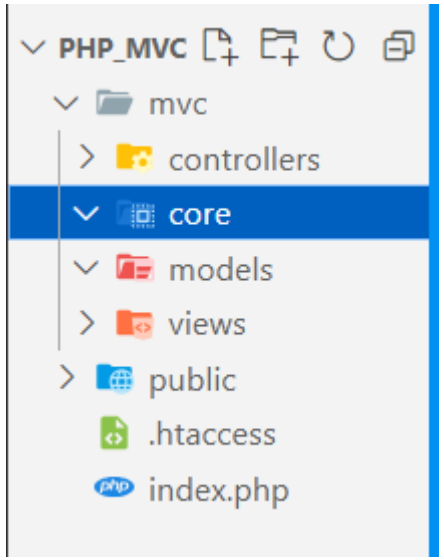


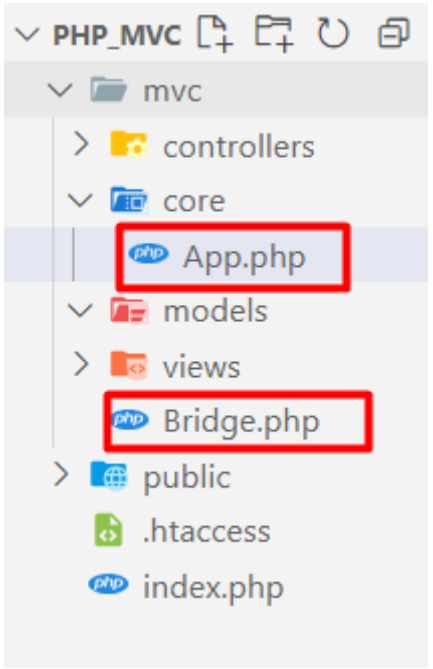
htaccess files (or "distributed configuration files") provide a way to make configuration changes on a per-directory basis.

Create project structure

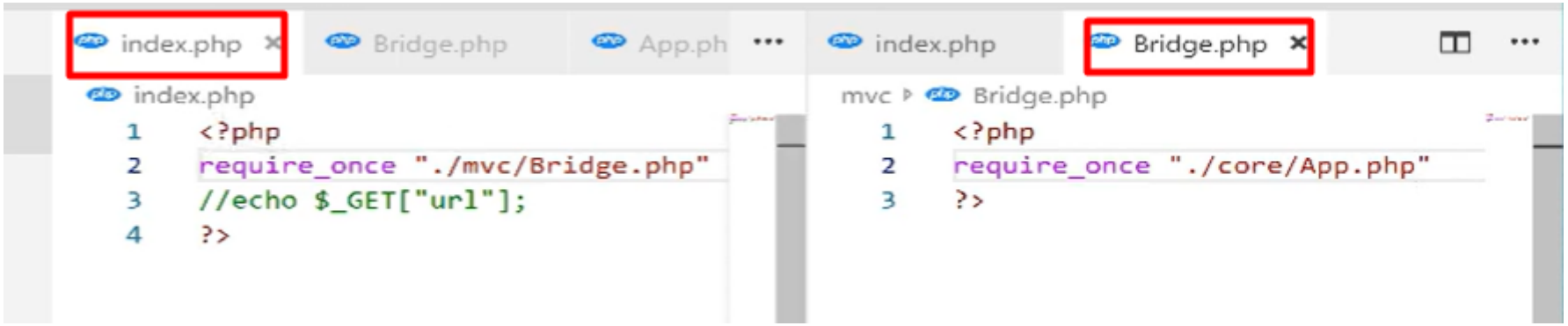


How index call the mvc



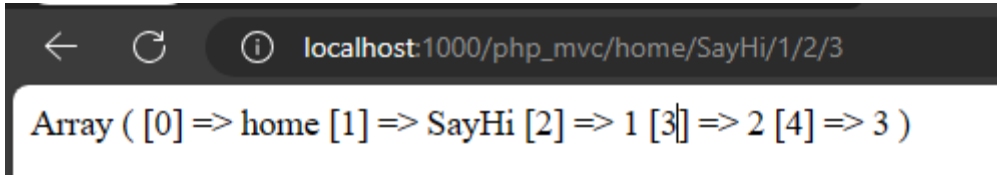


Index call Bride.php



```php
<?php
// App.php hahdel MVC proccess
class App{

    // http://localhost/php_mvc/home/SayHi/1/2/3
    protected $controller = "Home";
    protected $action = "Sayhi";
    protected $params = [];

    function __construct()
    {
        $arr = $this->UrlProcess();
        print_r($arr);
    }

    function UrlProcess() {
        // home/SayHi/1/2/3
        if( isset($_GET["url"] )) {
            $url =filter_var(trim($_GET["url"], "/")); // trim url
            return explode("/", $url); // snipping url by "/"

        }
    }
}
?>
```

Testing

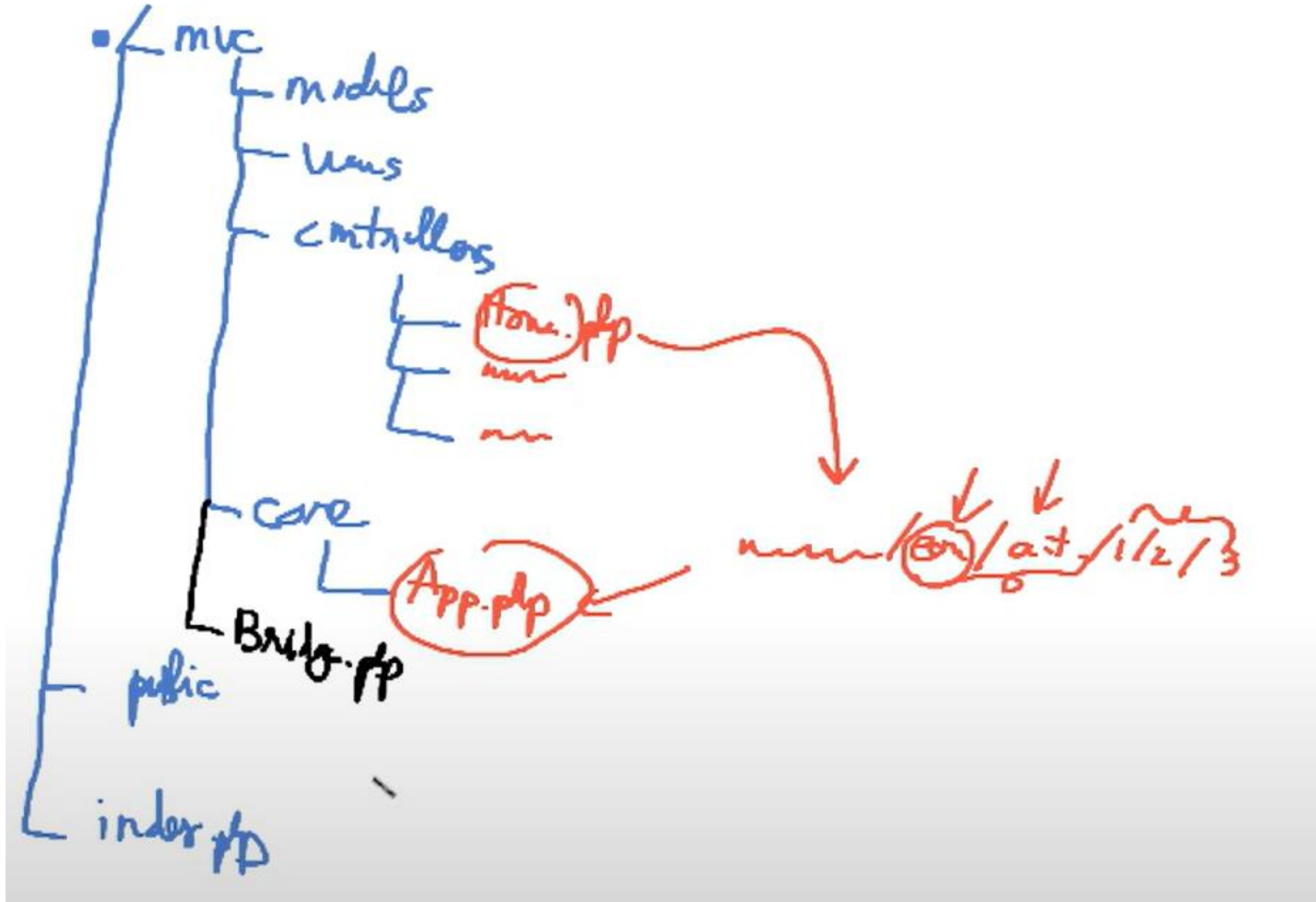


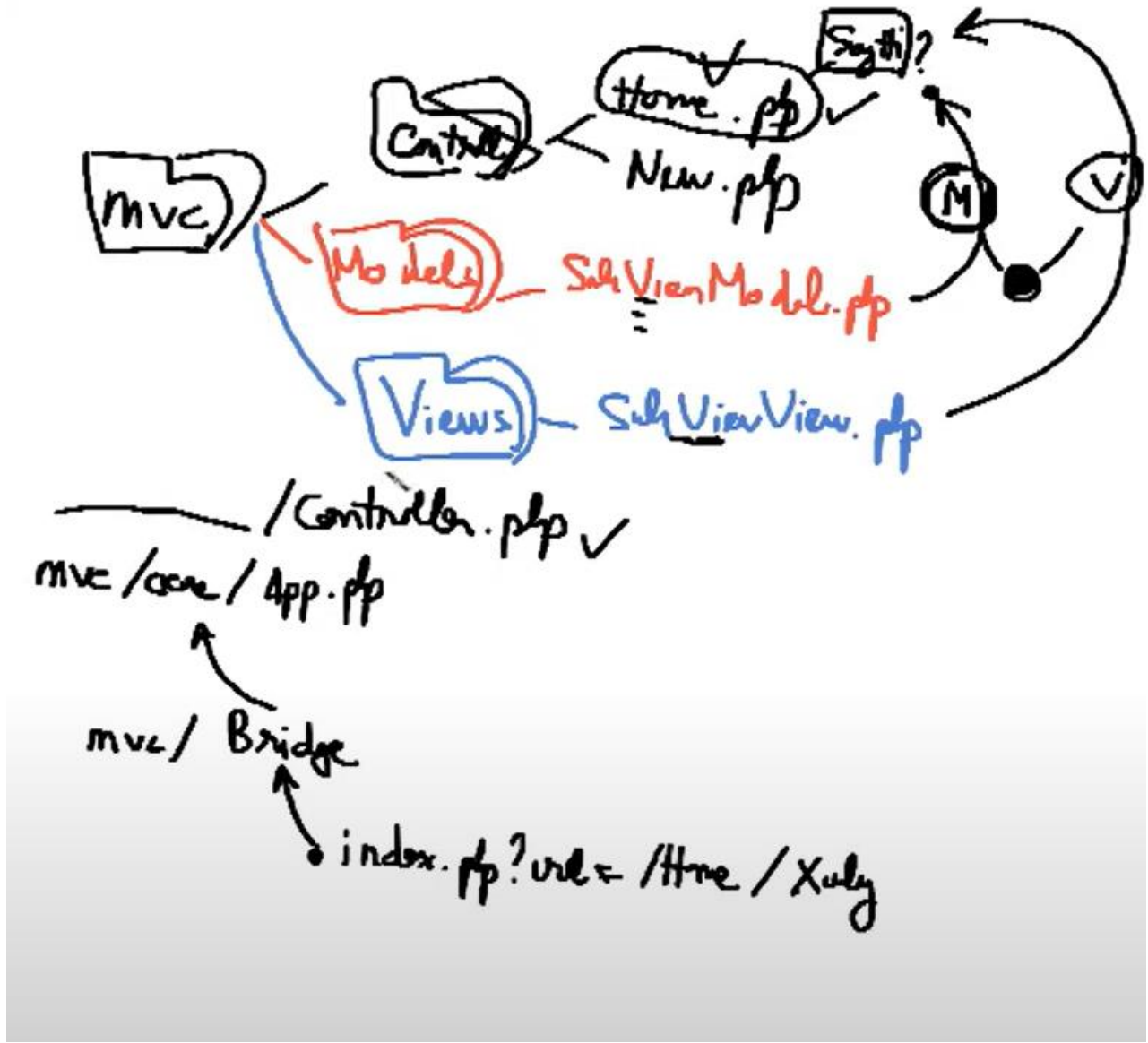
App.php(cont)

```php
// Process Controller //
if( file_exists("./mvc/controllers/".$arr[0].".php") ){
// Example  if( file_exists("./mvc/controllers/Home.php"))
    $this->controller =$arr[0];
}
require_once "./mvc/controllers/".$this->controller.".php";

// Process Action //
if($arr[1]) {       // Check it exist action
    if(method_exists($this->controller, $arr[1])) {
    // Example: if(method_exists("Home", "Show"))
        $this->action = $arr[1];
    }
    echo $this->action;
}
```

Process Params

```php
// Process Params
// Example: Array ( [0] => 1 [1] => 2 [2] => 3 )
$this->params = $arr ? array_slice($arr, 2) : [];

// Call function of controller with params
call_user_func_array([$this->controller, $this->action], $this->params);
```


mvc
models
views
controllers
core
public
index.php


mvc
Controller
Home.php
Smarty?
New.php
Models
SubVienModel.php
Views
SubVienView.php
M
V
/Controller.php
mvc/core/App.php
mvc/Bridge
index.php?url=/Home/Xuly

Refences

GitHub - khoaphp/php-mvc: Hướng dẫn set up một project PHP theo mô hình MVC.

Your Task

- Do previous lab with PHP MVC

Hint: use the sample code to save time