

Fall, 2020

## COMP2121 E-Business

# Lab 6: PHP 2 – A Simple Chat Room

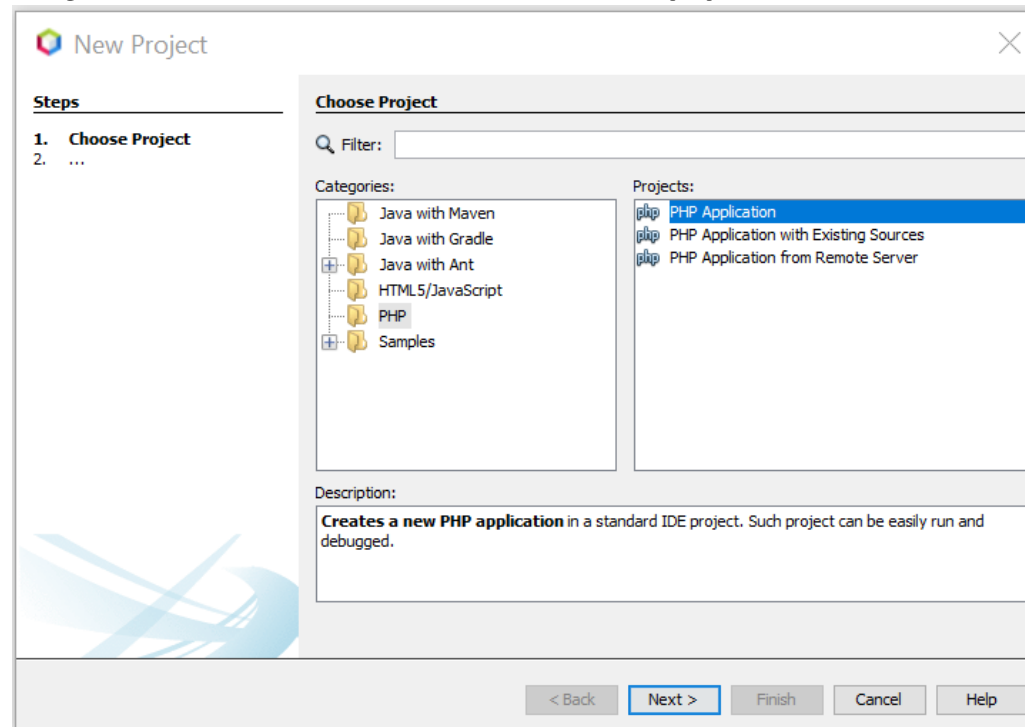
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## Outline

- Set up a PHP project in Netbeans;
- Create a simple form;
- Display the variables after form is submitted by
  - get method and
  - post method;
- Create a simple chat room Using file objects;

## Ex1: Create a PHP project in Apache Netbeans IDE

- Make sure that your Apache service is running.
- File → New Project → Choose PHP Application



## Ex1: Create a PHP project in Apache Netbeans IDE

- Locate the new project under your local Apache's *htdocs* folder, for example,
  - D:\eBusinessKevinYuenLabs\Apache24\htdocs
- Under the *htdocs*, set the Project Name as *LAB06PHP*

New PHP Project

**Steps**

1. Choose Project
- 2. Name and Location**
3. Run Configuration
4. PHP Frameworks
5. Composer

**Name and Location**

Project Name: LAB06PHP

Sources Folder: D:\eBusinessKevinYuenLabs\Apache24\htdocs\LAB06PHP Browse...

PHP Version: PHP 7.4  
PHP version is used only for hints

Default Encoding: UTF-8

☐ Put NetBeans metadata into a separate directory

Metadata Folder: D:\eBusinessKevinYuenLabs\LAB06PHP Browse...

- Accept the default setting

**Steps**

1. Choose Project
2. Name and Location
3. **Run Configuration**
4. PHP Frameworks
5. Composer

**Run Configuration**

Specify the way this project's files will be deployed.  
Configuration settings can be added and modified later in the Project Properties dialog box.

Run As: Local Web Site (running on local web server) ▼

Project URL: http://localhost/LAB06PHP/

☐ Copy files from Sources Folder to another location

Copy to Folder: ▼ Browse...

☐ Copy files on project open

- We do not need these frameworks at this moment. Just click “Next”.

New PHP Project

**Steps**

1. Choose Project
2. Name and Location
3. Run Configuration
4. **PHP Frameworks**
5. Composer

**PHP Frameworks**

☐ Symfony 2/3 PHP Web Framework

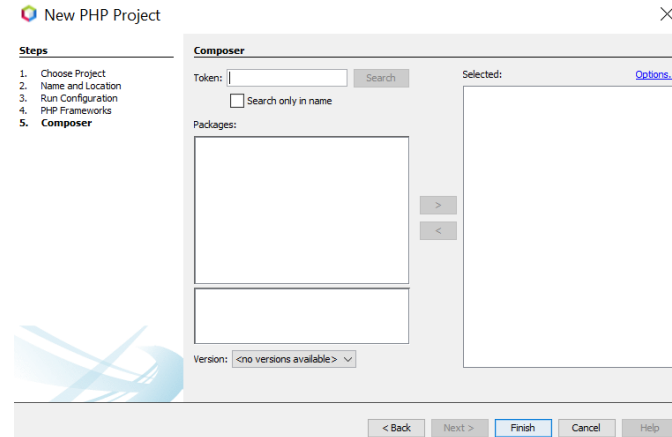
☐ Nette2 PHP Web Framework

☐ Zend2 PHP Web Framework

☐ Doctrine2 PHP Web Framework

## Ex1: Create a PHP project in Apache Netbeans IDE

- No Composer is required. Click finish.

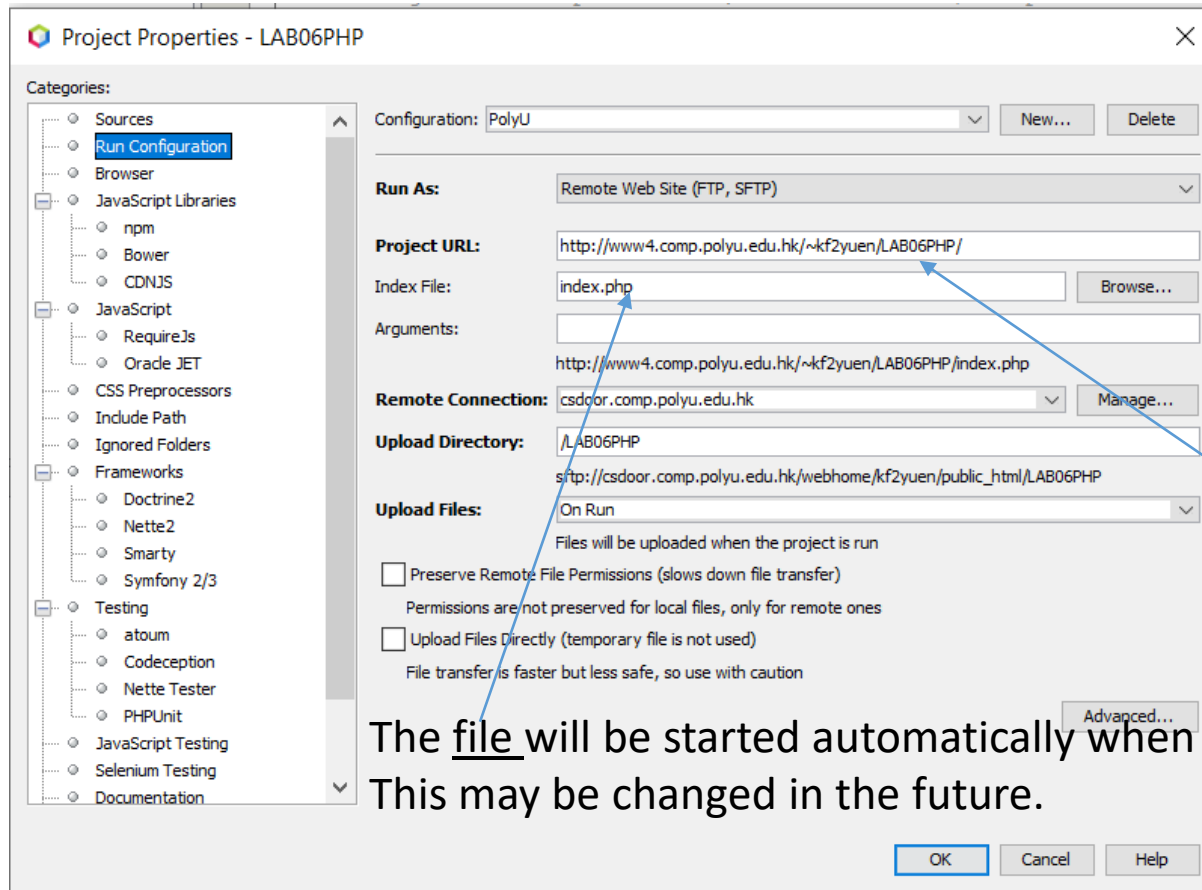


- You will find that a new folder named, Lab06PHP, has been created under *htdocs*.



## Ex2: Configure the COMP remote Web site (FTP, SFTP)

- Right click the project, and choose properties-> run configuration->New→type “polyU” → Remote Web Site(FTP, SFTP).



- Right click a file to upload.
- Use a web browser (within the PolyU network physically or virtually) to test

/webhome/kf2yuen/public_html/LAB06PHP/				
Name	Size	Changed	Rights	Owner
index.php	1 KB	10/19/2020 12:56:35 PM	rw-r--r--	kf2yuen

Or you can use WINSCP (window user)  
or filezilla (Mac user) to upload.

The file will be started automatically when a user request the URL.  
This may be changed in the future.

## Ex3: Create a simple Form

Rename the file as ex3.php.

```
1 <!DOCTYPE html>
2 <!--
3 COMP2121 E-business , FALL 2020
4 Lab 6
5 Kevin Yuen
6 -->
7 <html>
8 <head>
9 <meta charset="UTF-8">
10 <title>Lab6</title>
11 </head>
12
13 <body>
14 <form action="ex4.php" method="get">
15     Your name &nbsp; &nbsp; &nbsp;: <input type="text" name="userName"> <br>
16     Your message:<textarea name="msg" cols="40" rows="4"></textarea> <br>
17     <button type="submit"> submit</button>
18 </form>
19
20 <?php
21
22 ?>
23 </body>
24 </html>
```

Pay attention to this

space

Lab6 x

http://localhost/LAB06PHP/ex3.php

Your name :

Your message:

submit



## Ex4: Handling the form by Get method

Create a new php file as ex4.php

```
1 <!DOCTYPE html>
2 <!--
3 COMP2121 E-business , FALL 2020
4 Lab 6
5 Kevin Yuen
6 -->
7
8 <html>
9     <head>
10         <meta charset="UTF-8">
11         <title></title>
12     </head>
13     <body>
14         <?php
15             echo "Hello, " . $_GET['userName'] . ",<br>";
16             echo "Your message is " . $_GET['msg'];
17         ?>
18     </body>
19 </html>
```

Lab6 x

http://localhost/LAB06PHP/ex3.php

Your name : Kevin Yuen

How are you.

Your message:

submit

Lab6 x

http://localhost/LAB06PHP/ex4.php?userName=Kevin+Yuen&msg=How+are+you.

Hello, Kevin Yuen,  
Your message is How are you.

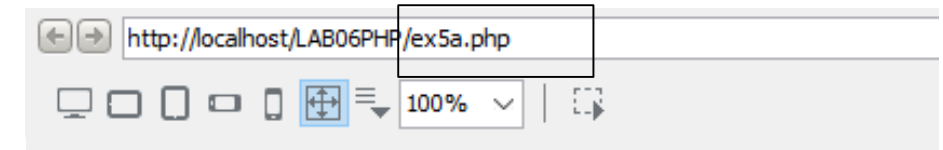
## Ex5: Post

1. On the basis of ex3.php, create ex5a.php; Change "Get" to "Post".

```
<form action="ex5b.php" method="post">
  Your name &nbsp; &nbsp; &nbsp;: <input type="text" name="userName"> <br>
  Your message:<textarea name="msg" cols="40" rows="4"></textarea> <br>
  <button type="submit"> submit</button>
</form>
```

2. On the basis of ex4.php, create ex5b.php; Change "Get" to "Post".

```
<?php
echo "Hello, " . $_POST['userName'] . ",<br>";
echo "Your message is " . $_POST['msg'];
?>
```

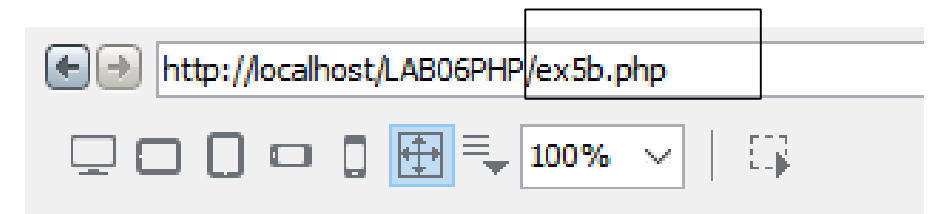


Your name : Kevin Yuen

Your message: This is a Post method.

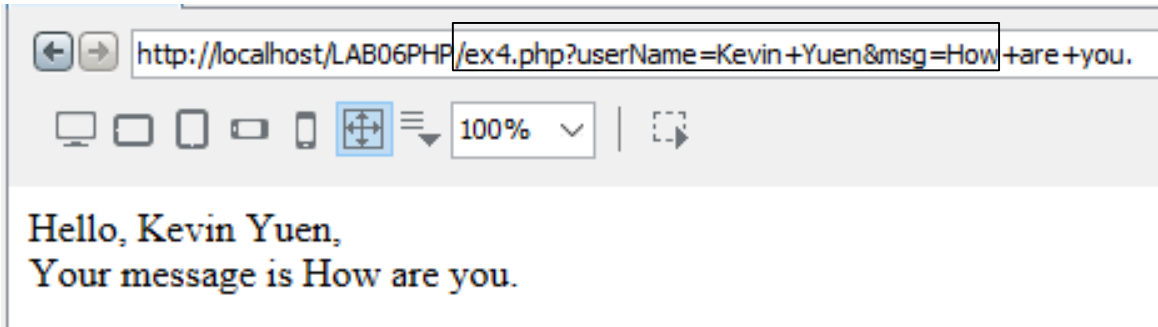
submit

Submit



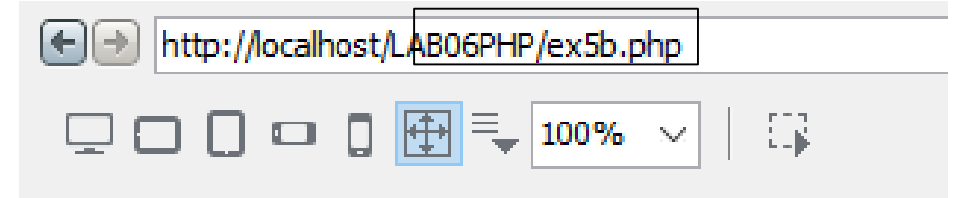
Hello, Kevin Yuen,  
Your message is This is a Post Method.

# GET vs POST



## Get Requests:

- are cached
- remain in the browser history
- can be bookmarked
- should never be used when dealing with sensitive data (security issue)
- have length restrictions
- are only used to request data (not modify)



## POST requests

- are never cached
- do not remain in the browser history
- cannot be bookmarked
- no restrictions on data length



- > Create a text file manually in the project

a: open a file to append new text

Ex7b.php



## Modes for fread()

- r: Open a file to read only. `$read = fopen("hist.txt", "r")`
- w: open a file to write the new text , whilst all current content in the file will be removed.
- a: Open a file to append new text to all current content in the file.

```
$dbfile = fopen("hist.txt", "a")
```



## Chat History

No record.

## Your Input

Your name :

Your message:

2020-10-19 19:47:47

The hist.txt file is automatically updated to save the records.

```

1 Kevin Yuen (2020-10-19 19:48:34): How are you.<br>
2 Alice Lu (2020-10-19 19:49:16): Fine. What can I do for you?<br>
3 Kevin Yuen (2020-10-19 19:50:44): I would like to ask the price for Iphone 12.<br>
4 Alice Lu (2020-10-19 19:51:22): We have several models for iphone 12<br>
5

```

## Chat History

Kevin Yuen (2020-10-19 19:48:34): How are you.  
Alice Lu (2020-10-19 19:49:16): Fine. What can I do for you?  
Kevin Yuen (2020-10-19 19:50:44): I would like to ask the price for Iphone 12.  
Alice Lu (2020-10-19 19:51:22): We have several models for iphone 12

## Your Input

Your name :

Your message:

2020-10-19 19:51:24

After submitted, the form was cleared in **Webkit**.

## Chat History

Kevin Yuen (2020-10-19 19:48:34): How are you.  
Alice Lu (2020-10-19 19:49:16): Fine. What can I do for you?  
Kevin Yuen (2020-10-19 19:50:44): I would like to ask the price for Iphone 12.  
Alice Lu (2020-10-19 19:51:22): We have several models for iphone 12

## Your Input

Your name :

Your message:

2020-10-19 19:49:37

Google Chrome keeps the form record because Chrome browser has saved the form information into **Cookies** automatically.

Add the follow parts:

16

## Ex 8: JavaScript for Form

Lab6 x

http://localhost/LAB06PHP/ex8a.php

100%

### Chat History

No record.

### Your Input

Your name :

Will my name be here after I click submit?

Your message:

2020-10-19 21:39:56



Lab6 x

http://localhost/LAB06PHP/ex8a.php

100%

### Chat History

Kevin Yuen (2020-10-19 21:42:04): Will my name be here after I click submit?

### Your Input

Your name :

Your message:

2020-10-19 21:42:06

Still here.

## Ex9: Deploy to the COMP web server

Lab6 x

http://www4.comp.polyu.edu.hk/~kf2yuen/LAB06PHP/ex8a.php

100%

### Chat History

Kevin Yuen (2020-10-19 21:53:11): Hi  
Dick So (2020-10-19 21:53:18): Hi

### Your Input

Your name :

Your message:

2020-10-19 21:53:58

Lab6 x +

Not secure | www4.comp.polyu.edu.hk/~kf2yuen/LAB06PHP/ex8a.php

### Chat History

Kevin Yuen (2020-10-19 21:53:11): Hi  
Dick So (2020-10-19 21:53:18): Hi

### Your Input

Your name :

Your message:

2020-10-19 21:54:08

Remember to set the right!

/webhome/kf2yuen/public_html/LAB06PHP/				
Name ^	Size	Changed	Rights	Owner
..		10/19/2020 12:56:35 PM	rw-r--r--	kf2yuen
ex7b.php	1 KB	10/19/2020 9:51:07 PM	rw-r--r--	kf2yuen
ex8a.php	2 KB	10/19/2020 9:51:07 PM	rw-r--r--	kf2yuen
hist.txt	0 KB	10/19/2020 9:51:07 PM	rw-rw-rw-	kf2yuen
index.php	1 KB	10/19/2020 12:56:35 PM	rw-r--r--	kf2yuen

<http://www4.comp.polyu.edu.hk/~kf2yuen//LAB06PHP/ex8a.php>

## References

- <https://www.w3schools.com/php/>
- <https://www.php.net/docs.php>

Q&A  
Thank you