



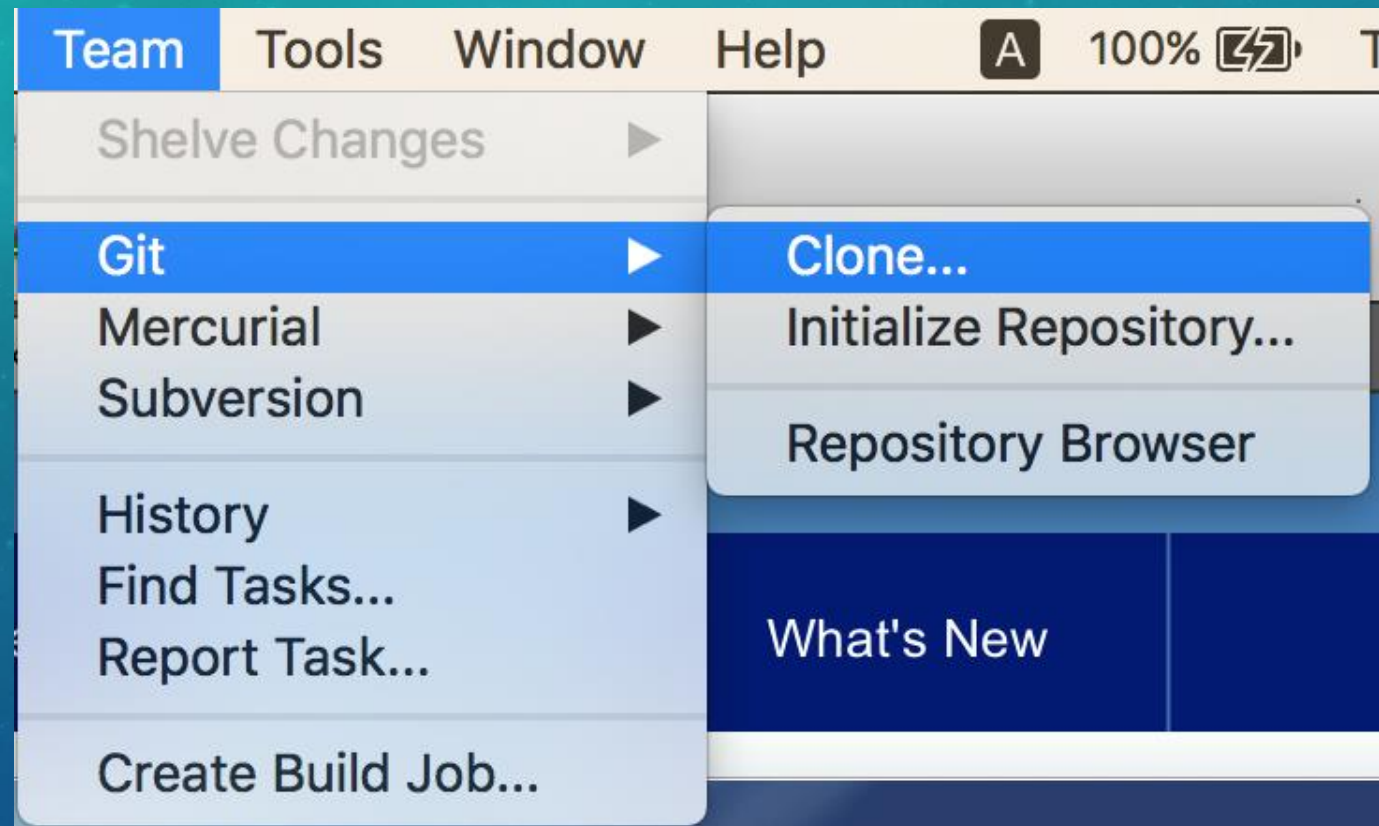
SESSION 11

WORKING WITH NETBEANS, GITHUB

CLONE A PROJECT FROM GITHUB

- There is a repo from Git
 - <https://github.com/FGWStaff/SimpleWebsite>
- Now we are going to clone this repo to local and use it in Netbeans to develop the project
- Assum that you already have
 - A Github account
 - Installed a PHP Web Server
 - A Heroku account

STEP 1: SELECT GITHUB FEATURE FROM NETBEANS



STEP 2: SPECIFY GITHUB ACCOUNT INFORMATION

Steps

1. Remote Repository
2. Remote Branches
3. Destination Directory

Remote Repository

Specify Git Repository Location:

Repository URL:

http[s]://host.xz[:port]/path/to/repo.git/

User: (leave blank for anonymous access)

Password: ☒ Save Password

Enter your Github
account information

STEP 3: SELECT THE BRANCH

Clone Repository

Remote Branches

Select Remote Branches

☒ master*

STEP 4: SPECIFY THE DESTINATION DIRECTORY

Clone Repository

Destination Directory

Specify the Parent Directory and Name for this Clone

Parent Directory:

Clone Name:

Checkout Branch:

Remote Name:

☒ Scan for NetBeans Projects after Clone

This is a PHP web application so point to the folder **htdocs** folder

STEP 5

- Netbeans will now ask you to create an application
- You select yes
- Then create a new PHP web application
- When it asks the destination folder: point to the folder we created in step 4(in htdocs folder). You can see example as the screenshot below

1. Choose Project

2. **Name and Location**

3. Run Configuration

4. PHP Frameworks

5. Composer

Project Name:

PhpProject6

Source Folder:

itions/MAMP/htdocs/SimpleWebsite

Browse...

PHP Version:

PHP 5.6

PHP version is used only for hints

Default Encoding:

UTF-8

☐ Put NetBeans metadata into a separate directory

Metadata Folder:

MAMP/htdocs/SimpleWebsite/PhpProject6

Browse...

!Project Sources directory is not empty.

Help

< Back

Next >

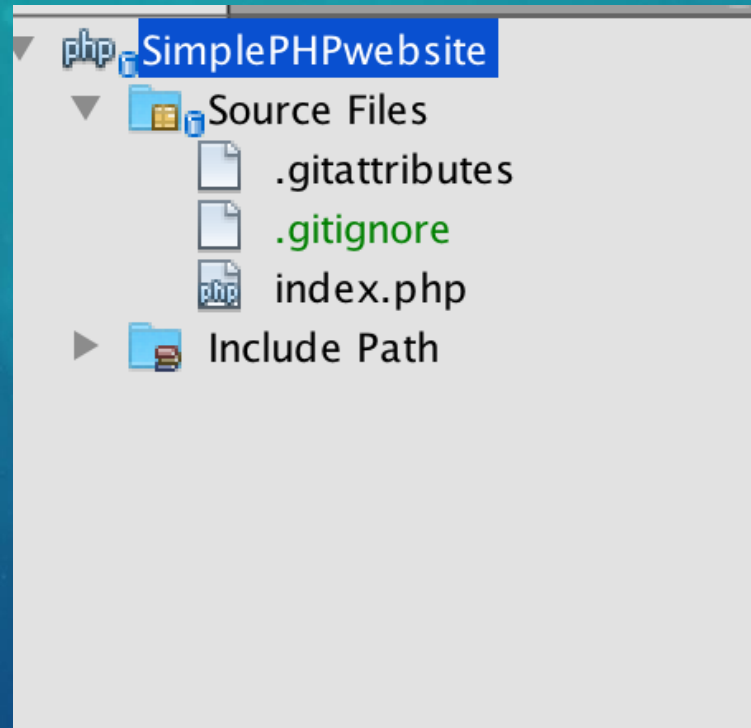
Finish

Cancel

Change it to **SimplePHPwebsite**

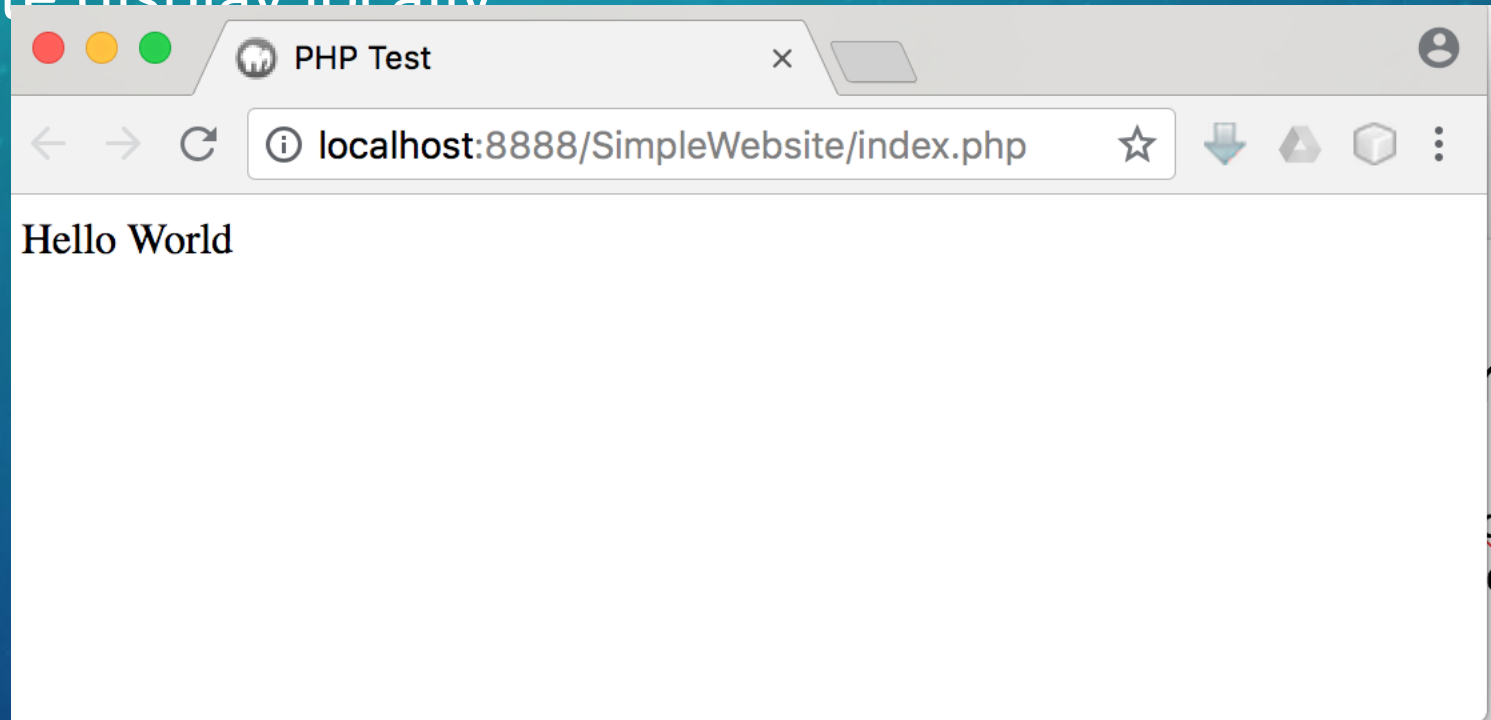
The folder should be **SimpleWebsite**

STEP 6: A NEW NETBEANS PROJECT CREATED



STEP 7: RUN THE PROJECT

- Now you select the file index.php and hit run(or Shift +F6) you can see the website display locally



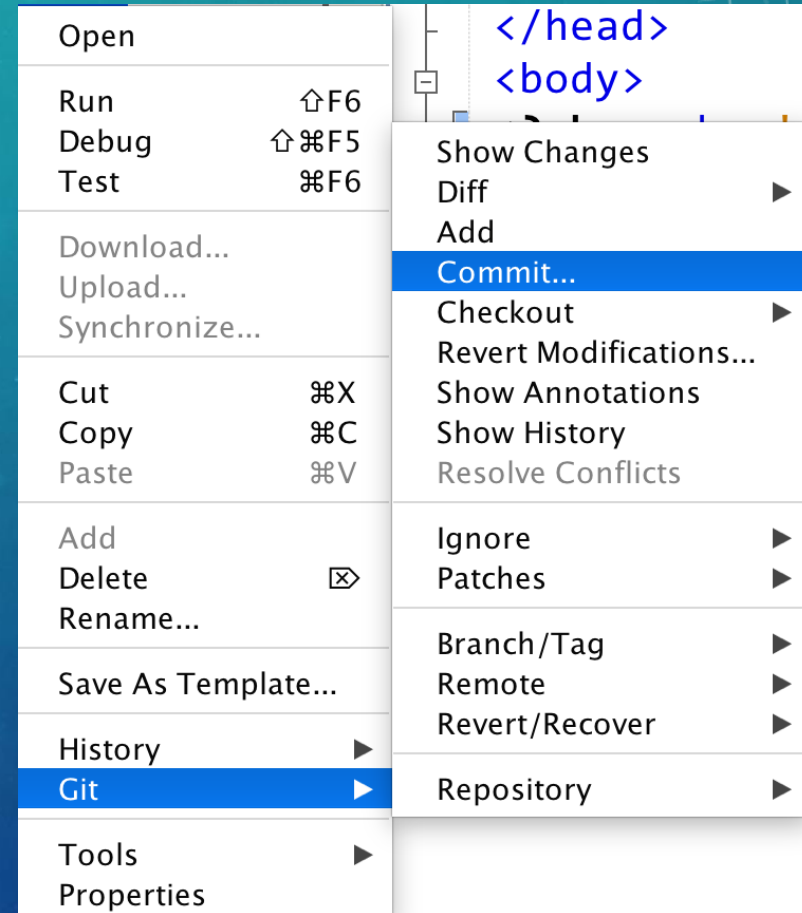
MAKE CHANGES TO LOCAL

➤ Now you can make changes to the file index.php like this:

```
<html>
  <head>
    <title>PHP Test</title>
  </head>
  <body>
    <?php echo '<p>Hello World from Netbeans</p>'; ?>
  </body>
</html>
```

COMMIT CHANGES

Right click the project and
select Git->Commit



ENTER COMMIT MESSAGE

1. Enter the message which describes what you changed
2. Your Github account information
3. List of files changed

Commit - index.php

Commit Message:
add welcome message

Author: [dropdown] Committer: [dropdown]

☐ Amend Last Commit

▼ Files to Commit:

C...	File	Status	Commit Action	Repository Path ▲
<input checked="" type="checkbox"/>	index.php	-/Modified	Commit	index.php

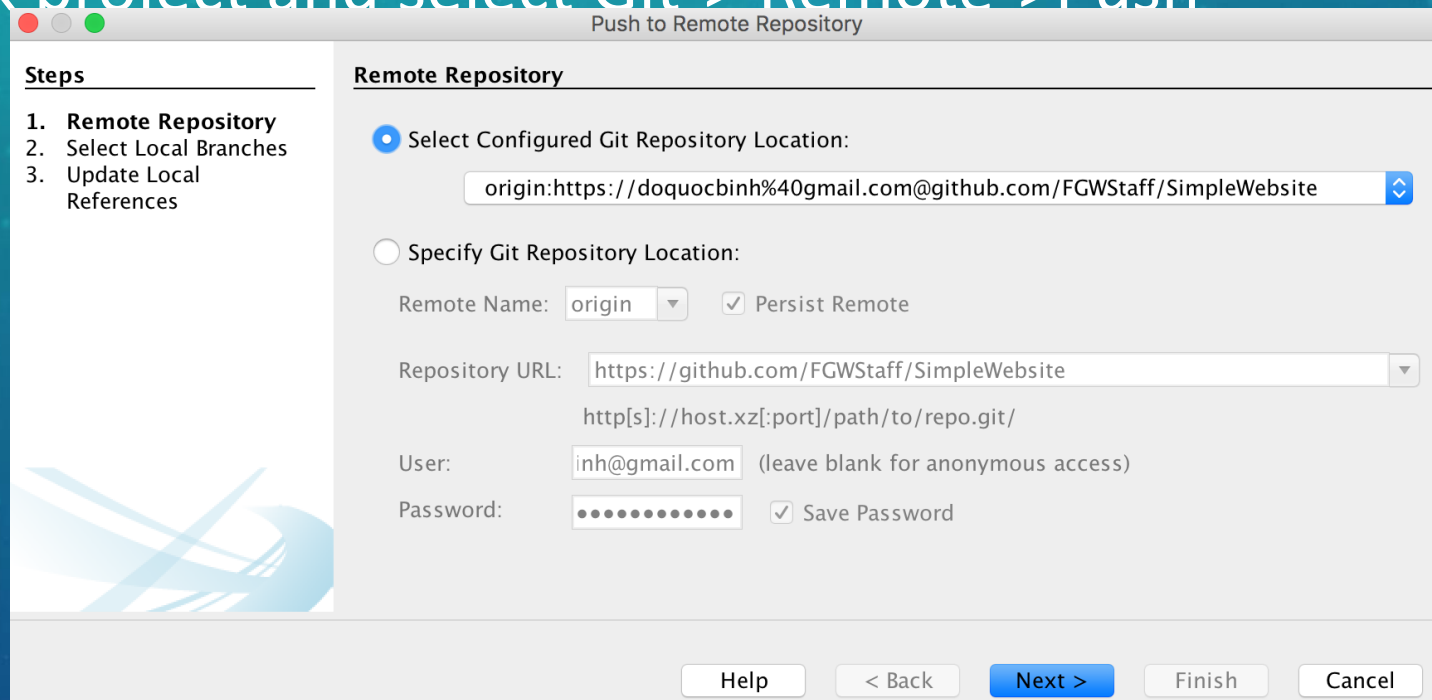
By right-clicking on a row you may specify some additional Actions.

► Update Task

Help Cancel Commit

PUSH CHANGES TO REPO

➤ Right click project and select Git-> Remote->Push



Push to Remote Repository

Steps

1. **Remote Repository**
2. Select Local Branches
3. Update Local References

Remote Repository

☒ Select Configured Git Repository Location:

origin:https://doquocbinh%40gmail.com@github.com/FGWStaff/SimpleWebsite

☐ Specify Git Repository Location:

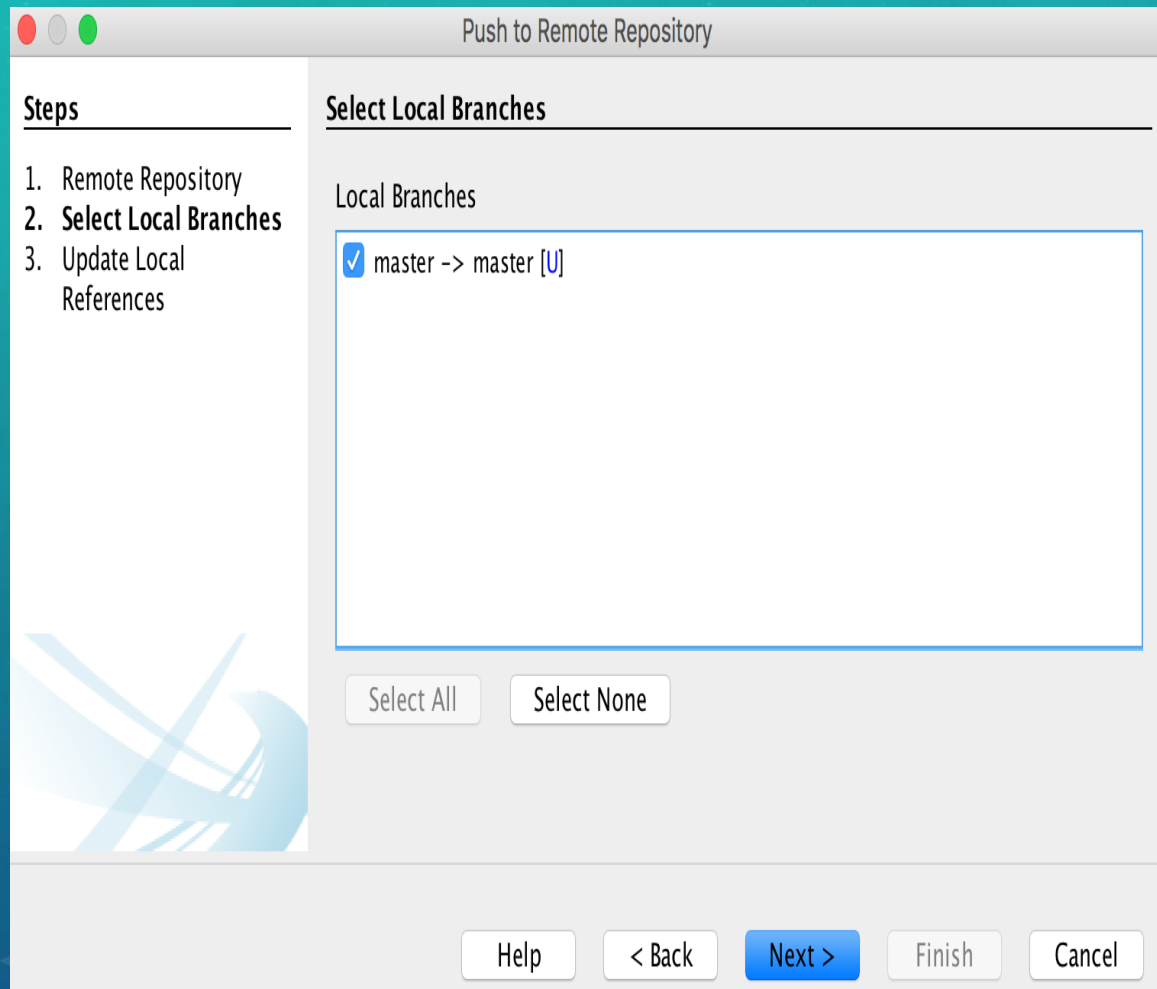
Remote Name: origin ☒ Persist Remote

Repository URL: https://github.com/FGWStaff/SimpleWebsite
http[s]://host.xz[:port]/path/to/repo.git/

User: inh@gmail.com (leave blank for anonymous access)


Password: ☒ Save Password

Help < Back Next > Finish Cancel



VIEW SUBMIT CHANGES FROM REPO

Branch: master ▾ SimpleWebsite / index.php

 FGWStaff add welcome message

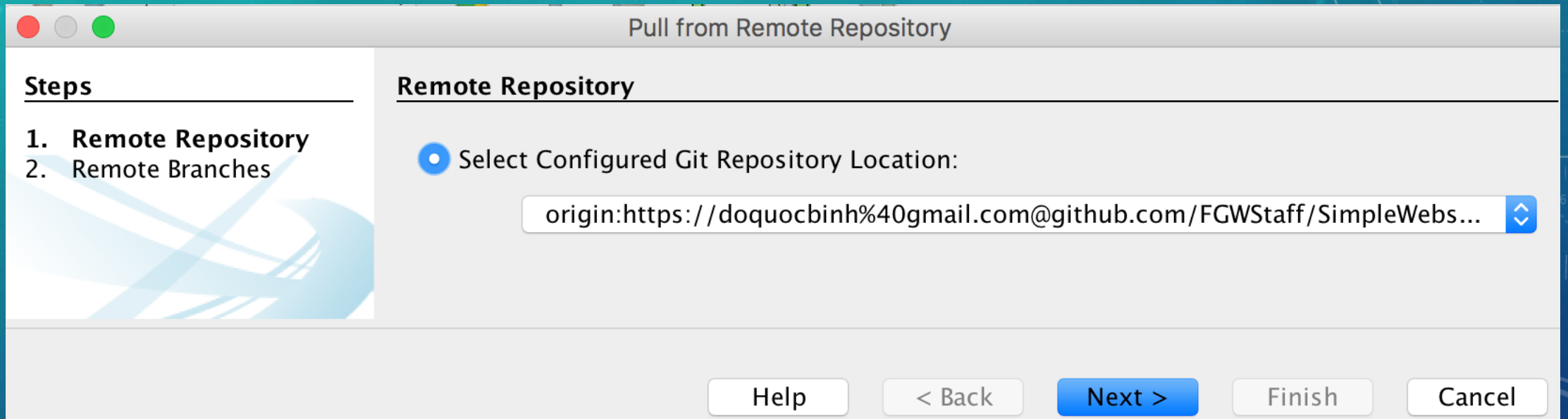
1 contributor

8 lines (8 sloc) | 126 Bytes

```
1  <html>
2  <head>
3    <title>PHP Test</title>
4  </head>
5  <body>
6    <?php echo '<p>Hello World from Netbeans</p>'; ?>
7  </body>
8  </html>
```

The message you entered will display here

PULL CHANGES FROM REMOTE REPO TO LOCAL



The screenshot shows a 'Pull from Remote Repository' dialog box. On the left, a 'Steps' sidebar lists '1. Remote Repository' and '2. Remote Branches'. The main area, titled 'Remote Repository', has a radio button selected for 'Select Configured Git Repository Location:'. Below this is a text field containing the URL 'origin:https://doquocbinh%40gmail.com@github.com/FGWStaff/SimpleWebs...' with a dropdown arrow on the right. At the bottom, there are five buttons: 'Help', '< Back', 'Next >' (highlighted in blue), 'Finish', and 'Cancel'.

Steps

1. Remote Repository
2. Remote Branches

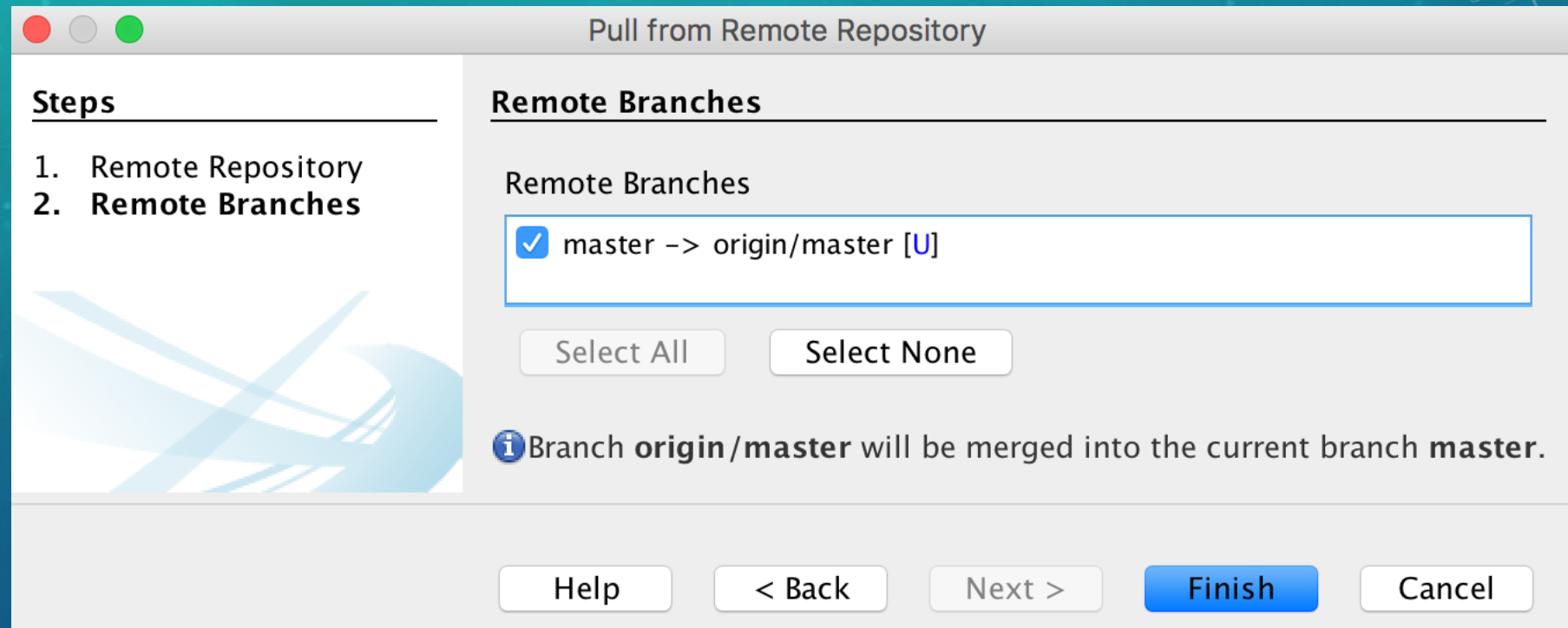
Remote Repository

☒ Select Configured Git Repository Location:

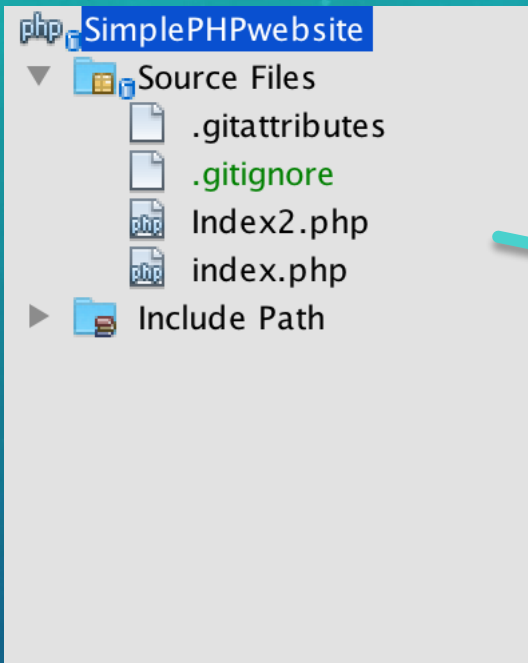
origin:https://doquocbinh%40gmail.com@github.com/FGWStaff/SimpleWebs... ▾

Help < Back **Next >** Finish Cancel

PULL CHANGES FROM REMOTE REPO TO LOCAL(2)



A NEW FILE HAS BEEN ADDED TO THE LOCAL PROJECT



```
<html>
  <head>
    <title>PHP Test2</title>
  </head>
  <body>
    <?php echo '<p>Hello World from Netbeans2</p>'; ?>
  </body>
</html>
```

EXERCISE

1. Add a new file to NetBeans called helloWorld.php
2. Submit the file to the remote Repo so everyone can see
3. Add a new php project with NetBeans and share it on Github with your closed classmate
4. Ask you classmate to change the file
5. Get the changes from you friend to the local
6. Host your project on Heroku to run