

Step by Step Tutorial for getting things setup

Step 1 – downloading shit and getting accounts to shit

Firstly, make a github account, they are free and will be how we sync files instead of over the server to make things a little easier

<https://github.com/>

once you have a github account, tell me so I can allow you access to the project directly, you will be able to pull files to your machine without access, but won't be able to push them back to the github server after making changes.

Then you can install GitHub Desktop

<https://help.github.com/desktop/guides/getting-started-with-github-desktop/installing-github-desktop/>

this may need to be pointed to from PhpStorm, But I literally have no memory of how to do this or if I needed to, so text me or use google if you have problems.

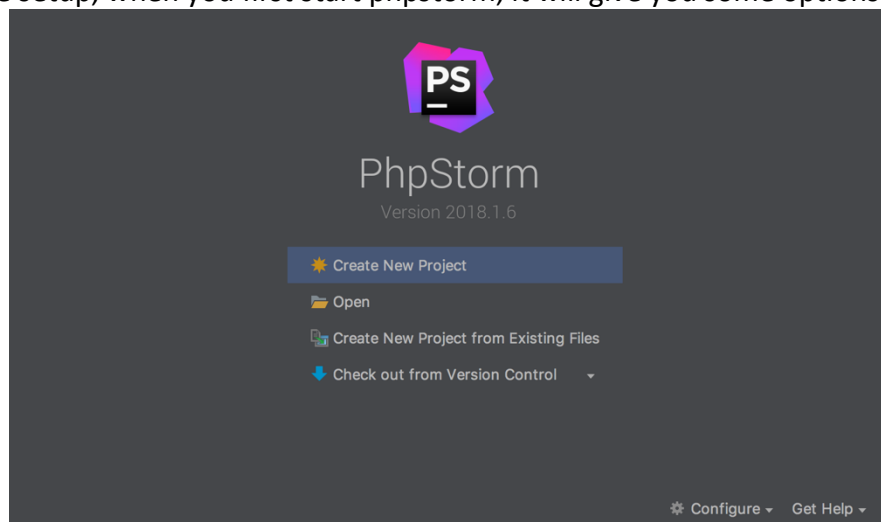
Then I recommend installing phpstorm, it's the only one I have used so I'm sure NetBeans or other IDE's will work, but it's what this little walk through will be based around.

<https://www.jetbrains.com/phpstorm/download/>

the installation process is pretty easy, you don't need any of the extra plugins

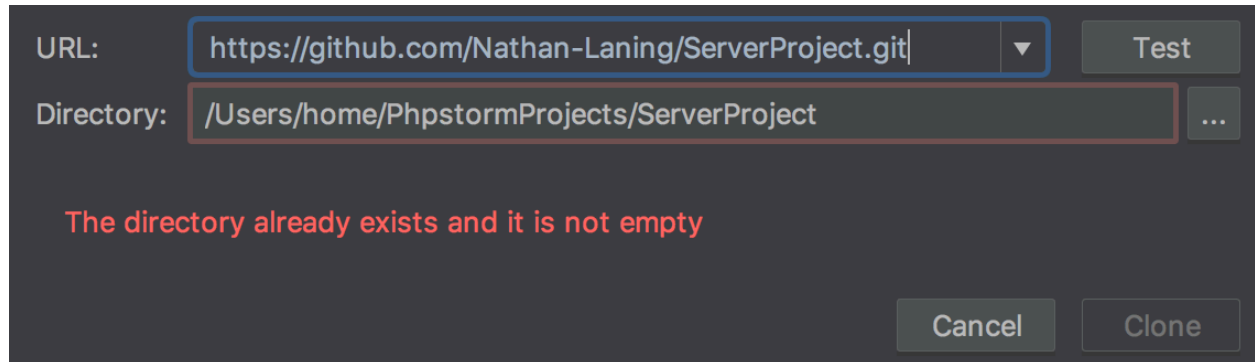
Step 2 – Configuring GIT

Once both are setup, when you first start phpstorm, it will give you some options



Select check out from version control – Git

Then enter in <https://github.com/Nathan-Laning/ServerProject.git> in the top line, then whatever you want for the second line, the default is probably fine.

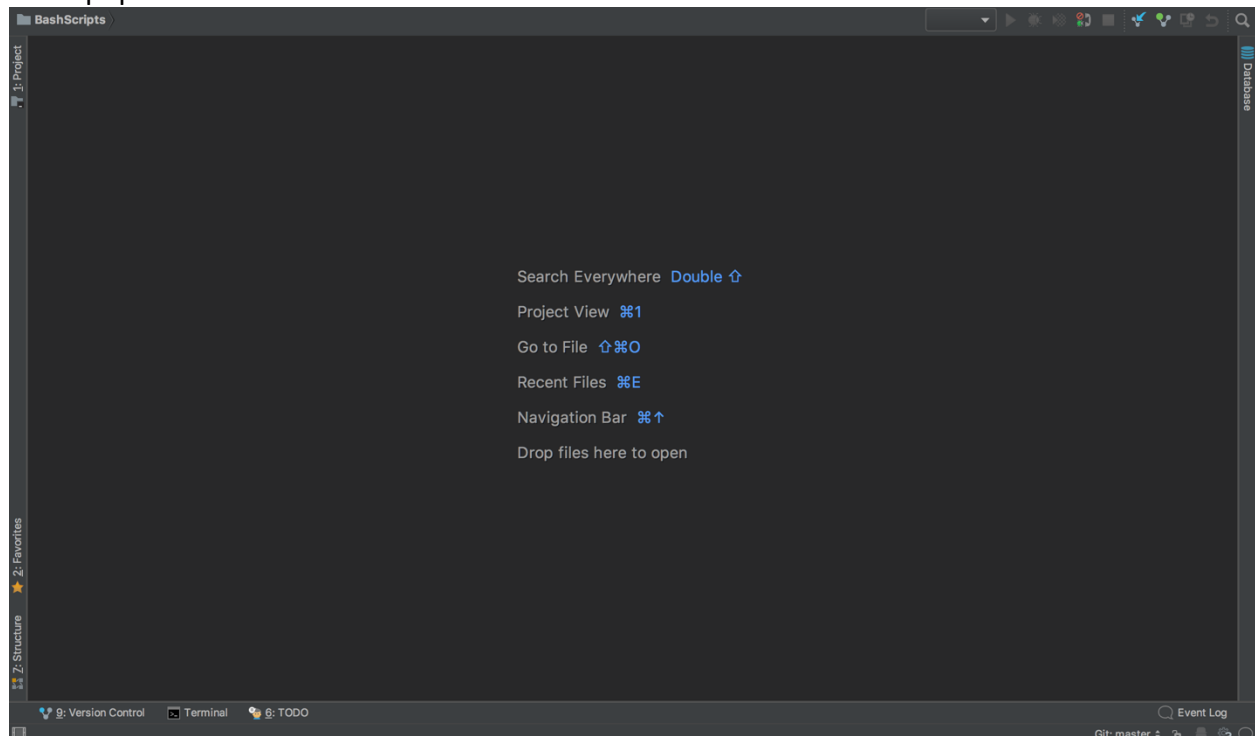


(ignore my error, I have already set it up so its mad at me)

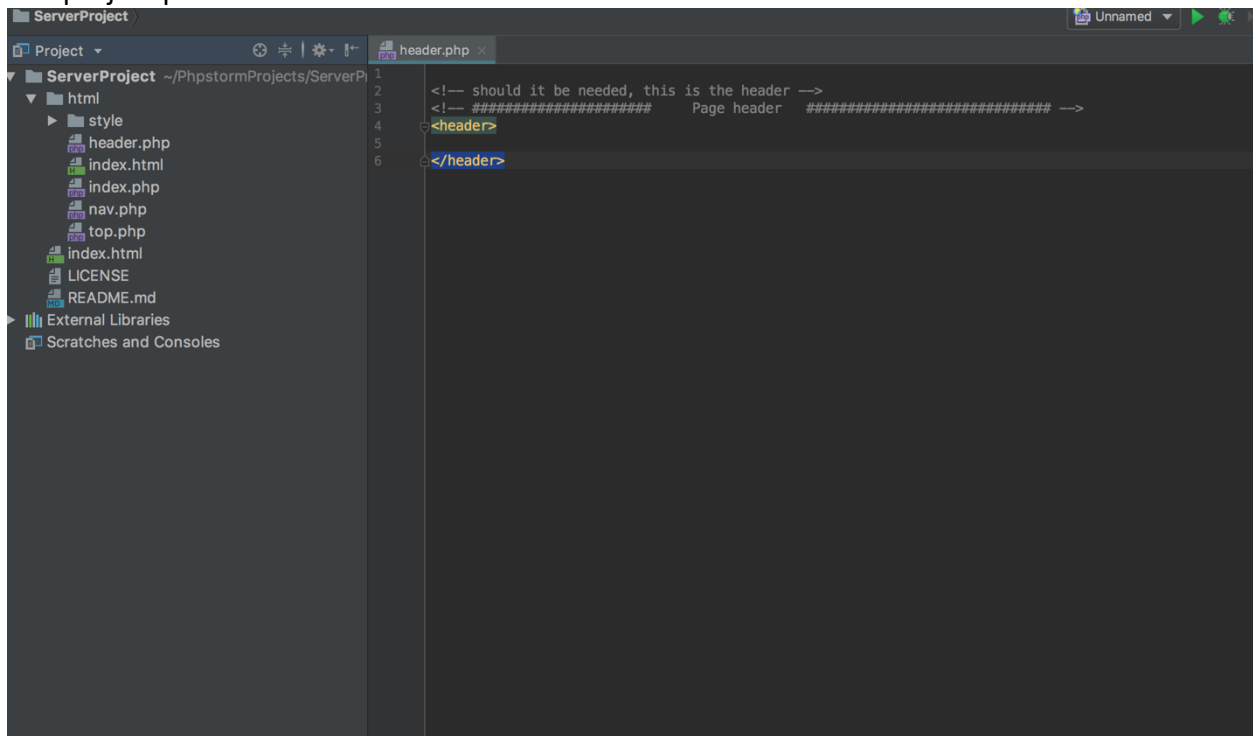
You may also have an option to sign into your github, definitely do this if it gives you the option, I don't really remember because I set mine up ages ago and it doesn't let me really backtrack.

Step 3 – Getting the UI less useless

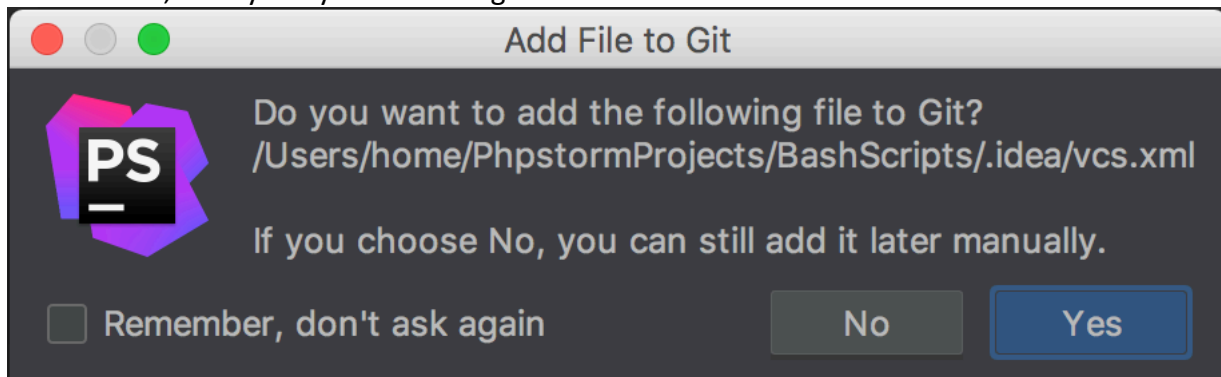
Then let it set everything up, you should, at this point, have a new window open, often it looks a little empty, double pressing then holding the cntrl key brings up small windows you can click on to populate



The project pane is the most useful so I'd recommend that one first.



Also of note, it may ask you this dialogue



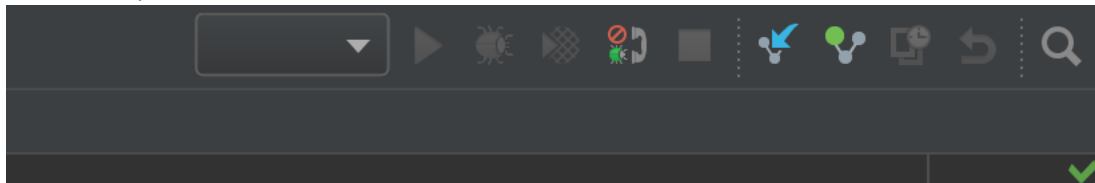
Say NO to this, it will ask you similar question for new files and those are good to be added, but this one is a user based runtime file so it may cause problems if its uploaded. (except it wont say bashscripts but instead whatever the project name is). At this point you need to setup configuring running everything.

Step 4 – Setting up Run Configuration (OPTIONAL)

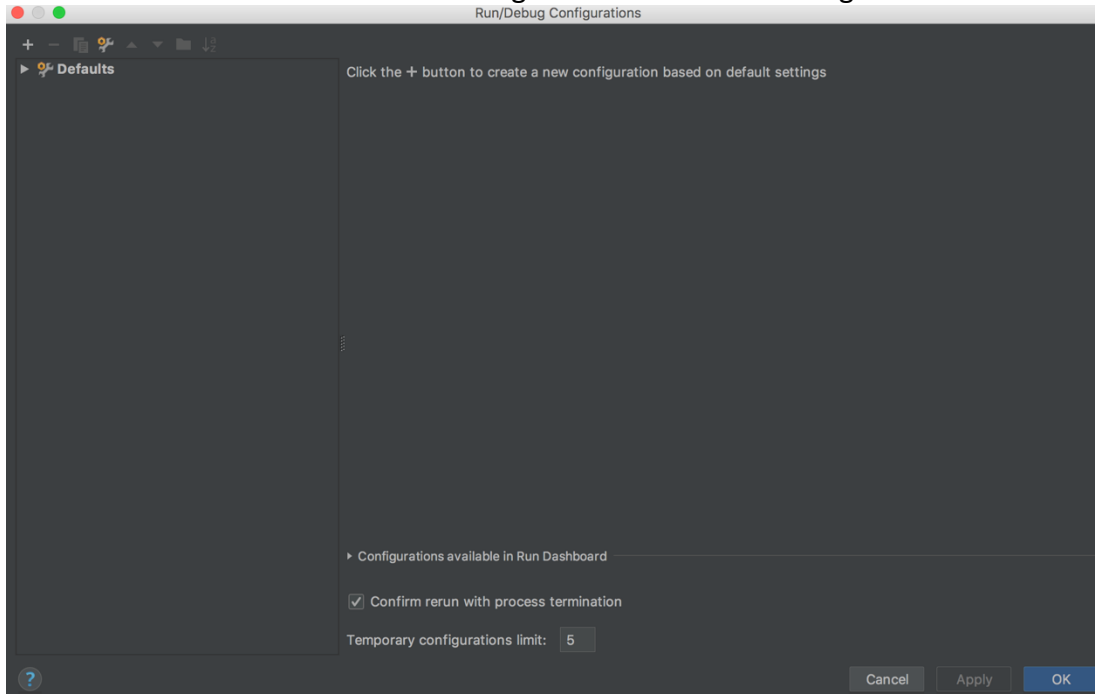
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This nextstep is kinda optional but worthwhile doing as it is doing almost the same task of you entering in the IP address, but with a button and some more options down the road, But don't feel like you have to do it, and it can always be done later

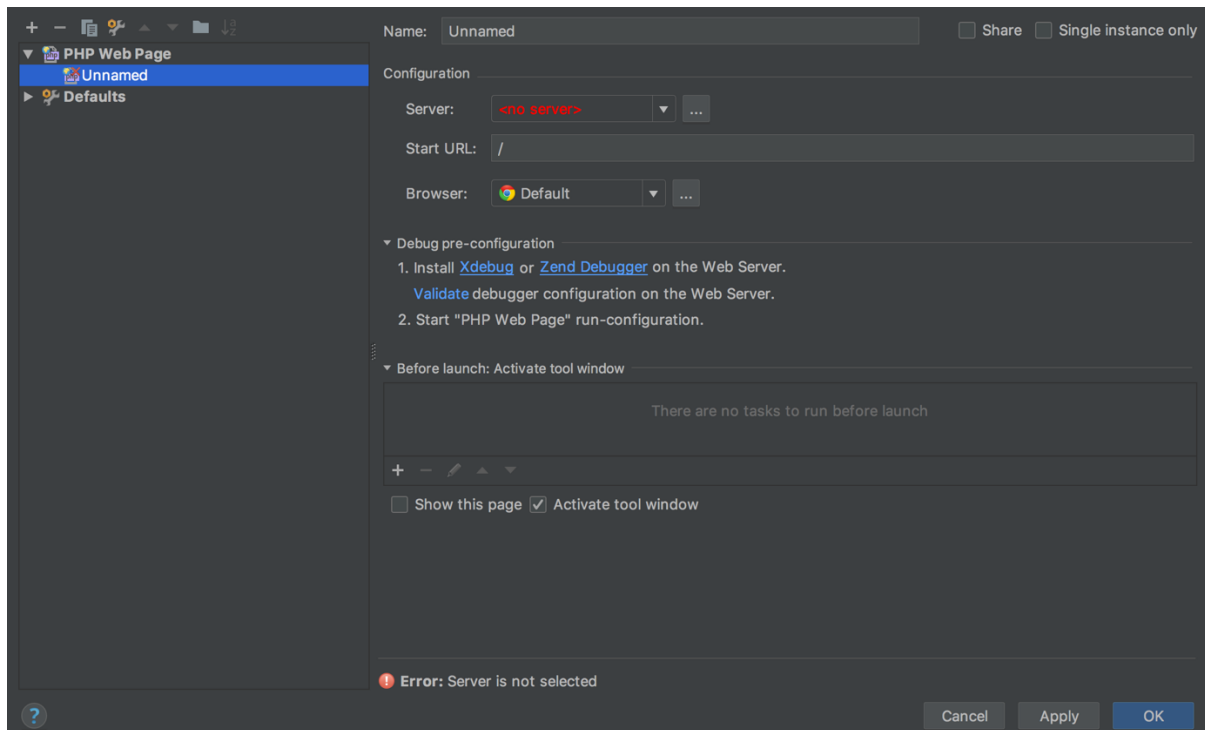
Firstly there is local configuration, the easiest way to tackle this one is to go to the top right of PhpStorm, there will be a little box with an arrow seen below.



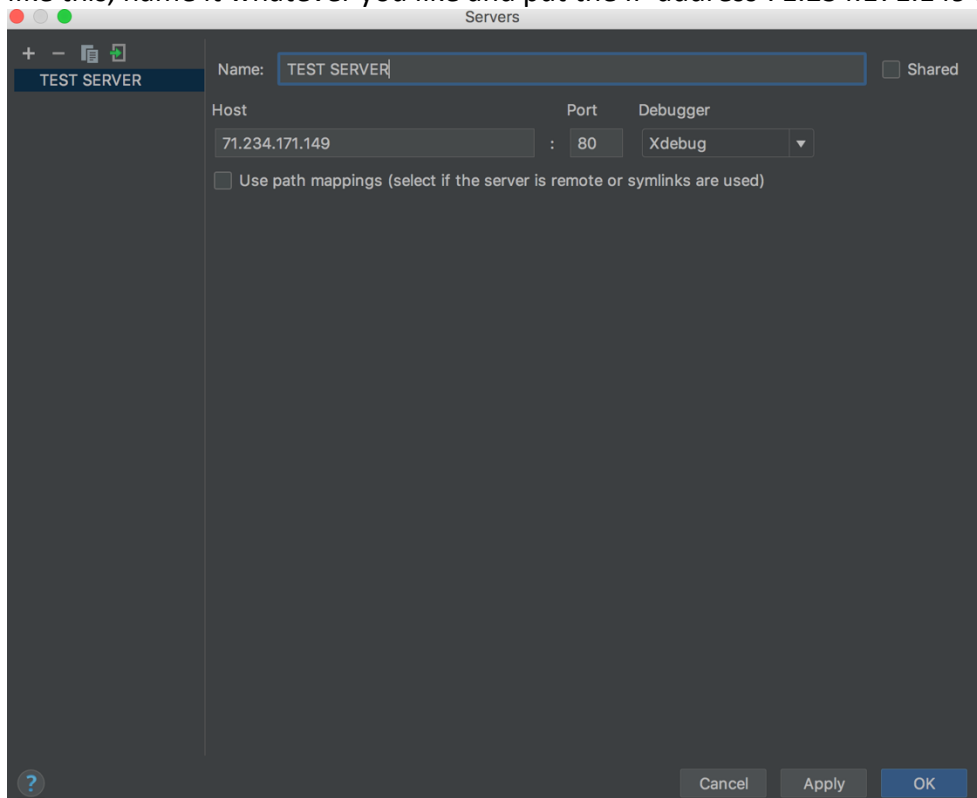
Click on the arrow and select edit configurations. You should be greeted with this screen.



Press the plus in the top left, then select PHP Web Page, which will look something like this



At which point you can select the three little dots next to the red **<no server>** it will open another window, where you will press the little plus in the top left again. It will look something like this, name it whatever you like and put the IP address 71.234.171.149 into the host line.

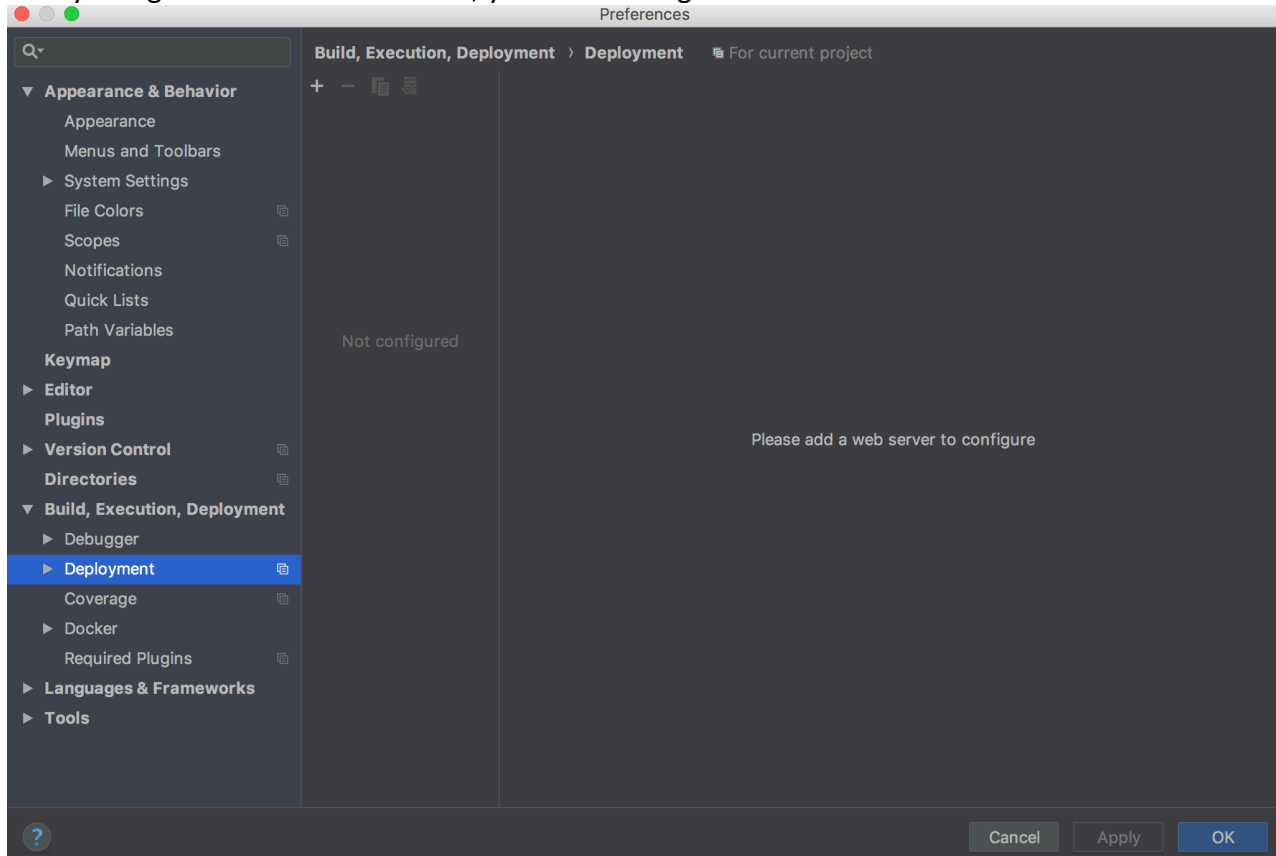


Press okay twice, then click the now green arrow in the top left and be sure that it actually runs, it will open up your browser to the IP address we put in and that's about it.

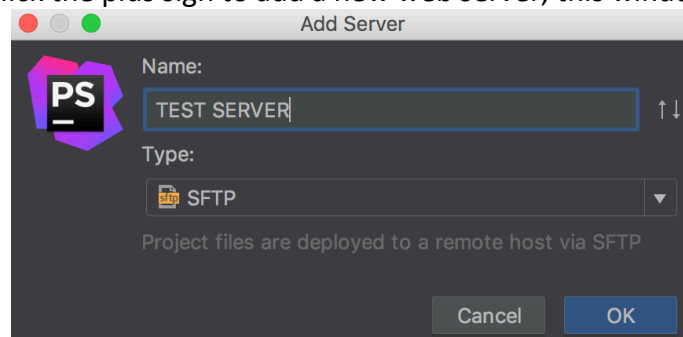
#### Step 4 – Setting up the Server upload connection

This is the most important step, it will upload anything you have in your project to the server itself, changes you make won't take effect until this is setup and used

Firstly navigate to File->Preferences, you should be greeted with this window



At which point navigate to where I have highlighted( Build, Execution, Deployment -> Deployment). Then click the plus sign to add a new web server, this window will pop up.



The Name isn't important, but the type needs to be SFTP (Secure File Transfer Protocol), then press okay. A bunch of stuff will show up, and there are a number of things to put in.

Build, Execution, Deployment > Deployment For current project

Reset

TEST SERVER

Name: TEST SERVER

Connection Mappings Excluded Paths

☒ Visible only for this project

Type: SFTP

Project files are deployed to a remote host via SFTP

Upload/download project files

SFTP host:

Test SFTP connection...

Port:

22

Root path:

/

...

Autodetect

User name:

Auth type:

Password

Password:

☐ Save password

Advanced options...

Browse files on server

Web server root URL:

http://

Open

⚠ User name is not specified

Cancel

Apply

OK

Firstly your username and password can be entered, then your SFTP host, which is just the same IP address as the serve, 71.234.171.149. make sure your root path is / and do not autodetect.

Build, Execution, Deployment > Deployment For current project Reset

**TEST SERVER**

Name: TEST SERVER

Connection Mappings Excluded Paths

☒ Visible only for this project

Type: SFTP

Project files are deployed to a remote host via SFTP

Upload/download project files

SFTP host: 71.234.171.149 Test SFTP connection...

Port: 22

Root path: / ... Autodetect

User name: johndoe

Auth type: Password

Password: •••••••• ☒ Save password

Advanced options...

Browse files on server

Web server root URL: http://71.234.171.149/ Open

Cancel Apply OK

Next, click the Mappings tab on the top, and fill out the deployment path to be var/www

**TEST SERVER**

Name: TEST SERVER

Connection Mappings Excluded Paths

Use this server as default

Local path: /Users/home/PhpstormProjects/ServerProject ...

Deployment path on server 'TEST SERVER': var/www ...

Web path on server 'TEST SERVER': /

Project URL: http://71.234.171.149/ Add another mapping

Cancel Apply OK

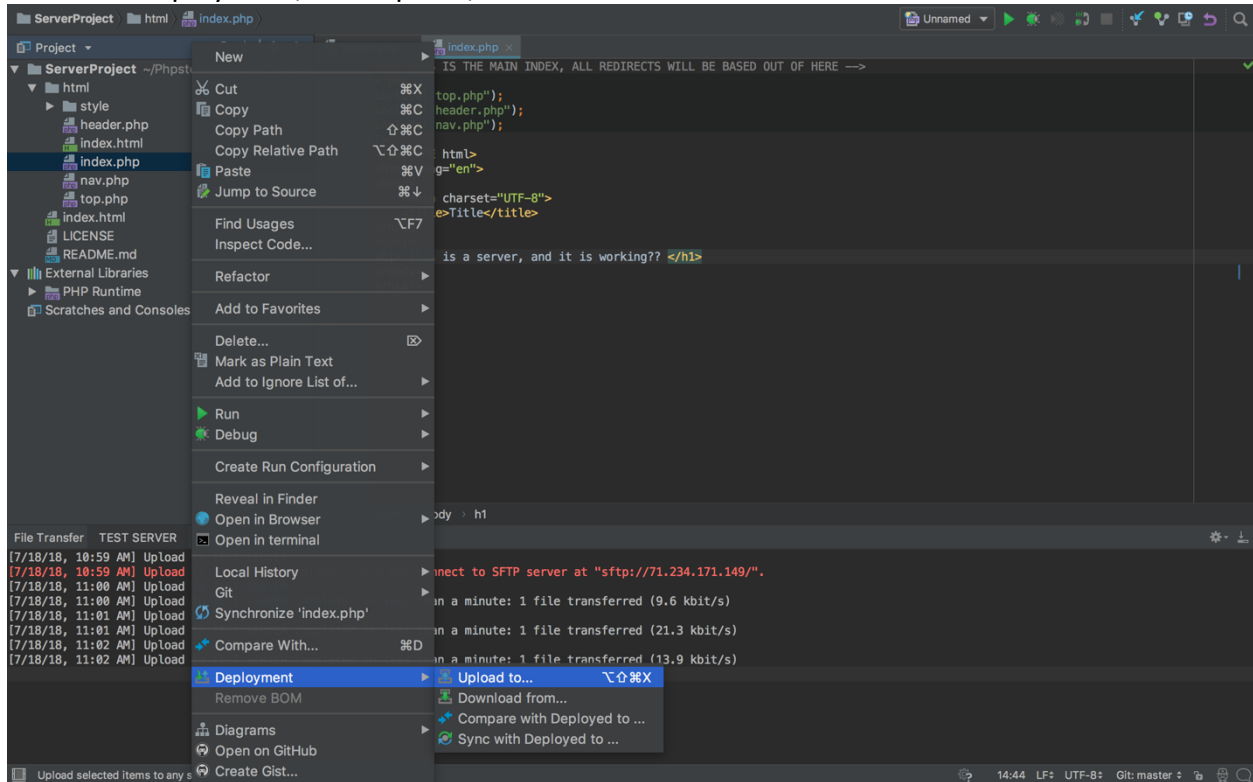
Click Okay and the server should be all setup.



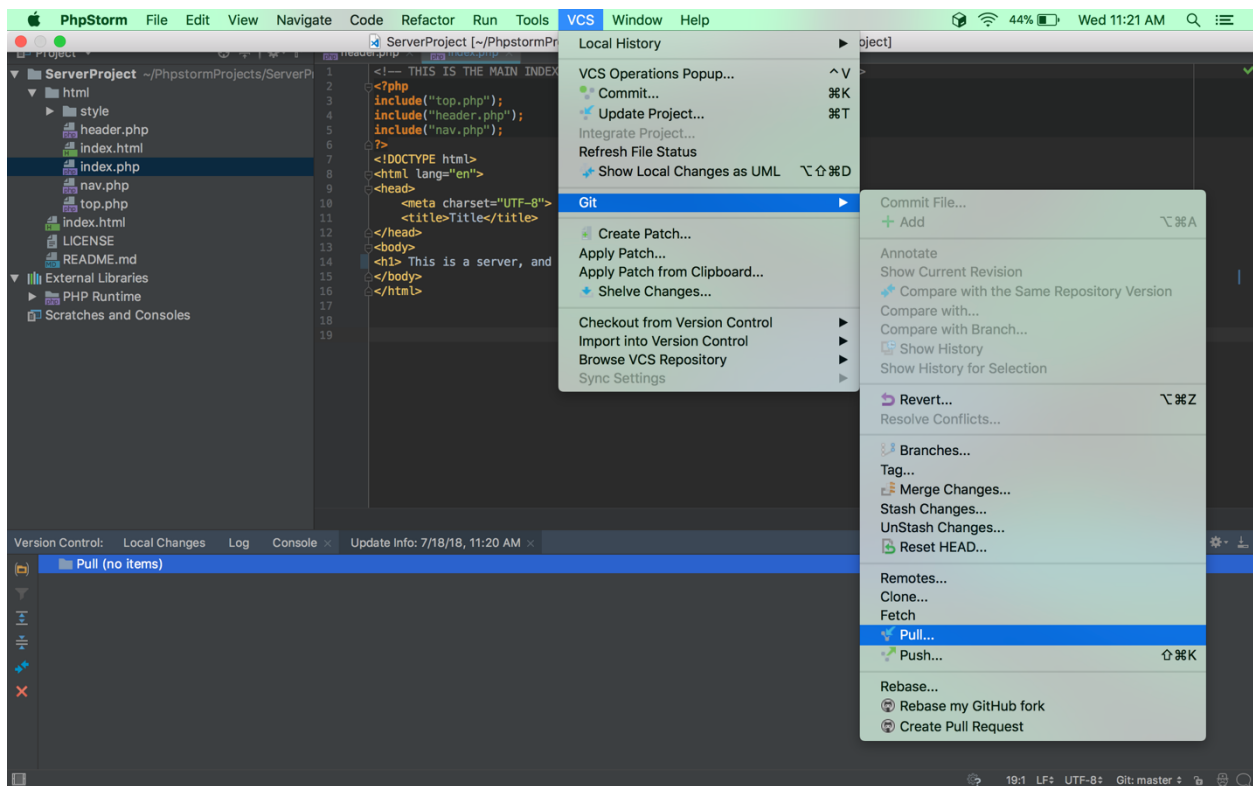
## Step 5 – Using the IDE

Finally, there is the basics of GitHub, and uploading to the server.

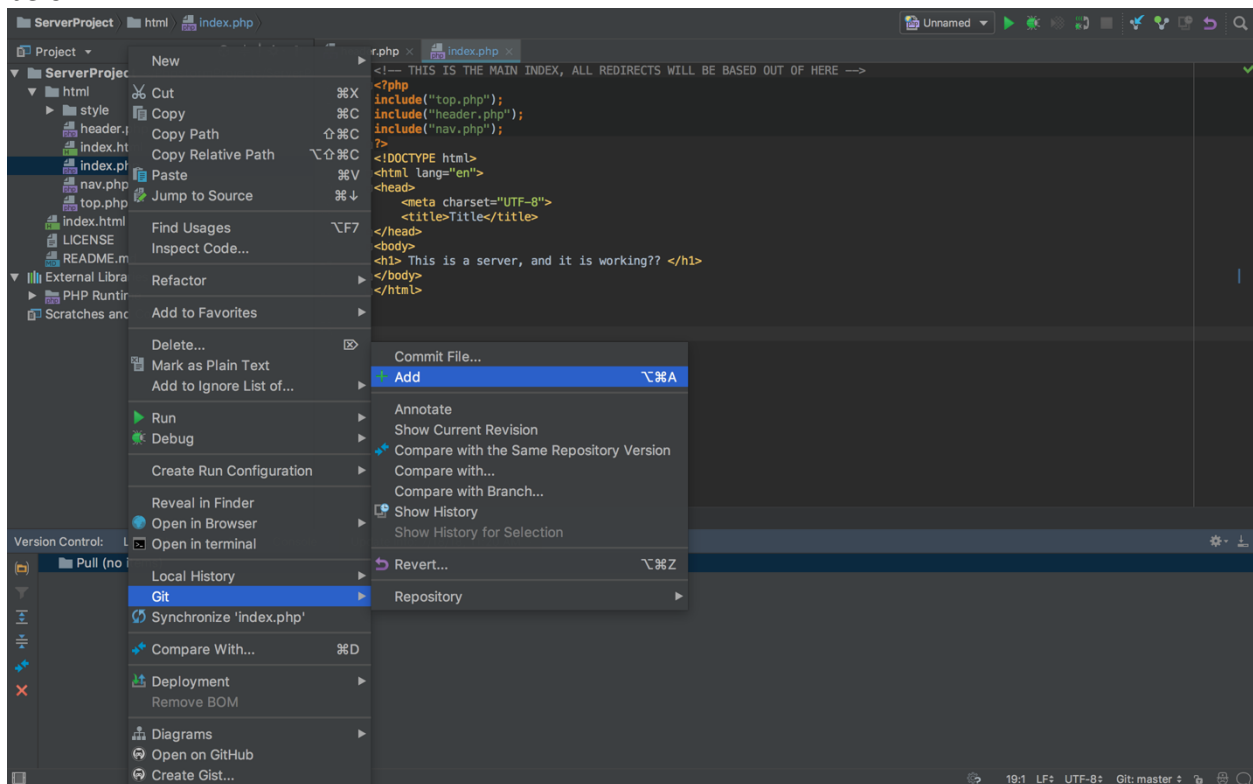
Uploading to the server is fairly easy affair, just right click the file or folder you want to upload, then click deployment, then upload, then the server.



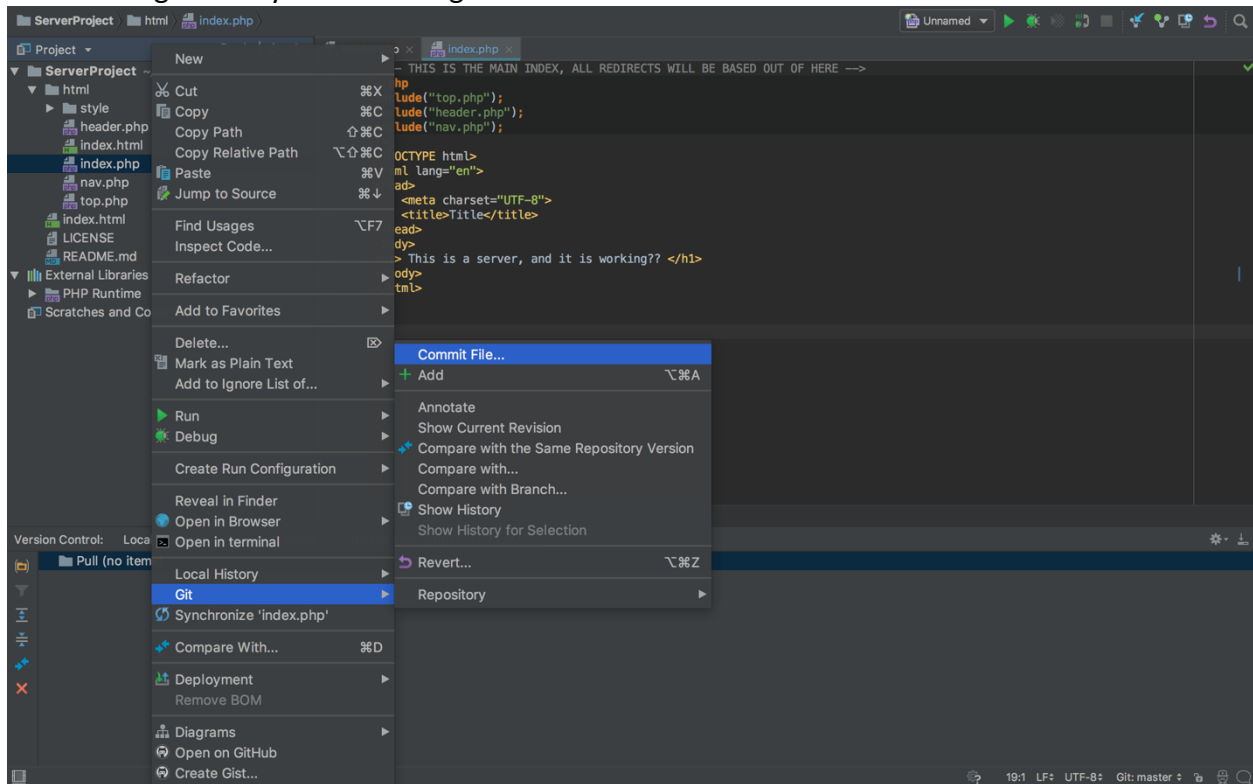
GitHub is slightly more complicated, and I'm still learning how to use it myself, but it has enormous benefits as it allows us to backtrack and manipulate old and new files, along with merging different changes on the same file which is a huge benefit. It's also a necessity in most workplaces and therefor also a good thing to be familiar with, the first thing I recommend is pulling every time you start your ide incase anything has changed. This can be done by clicking VCS on top, then GIT, then Pull. You can also do the same for any particular file, put for pulling it usually makes sense to do all of the files.



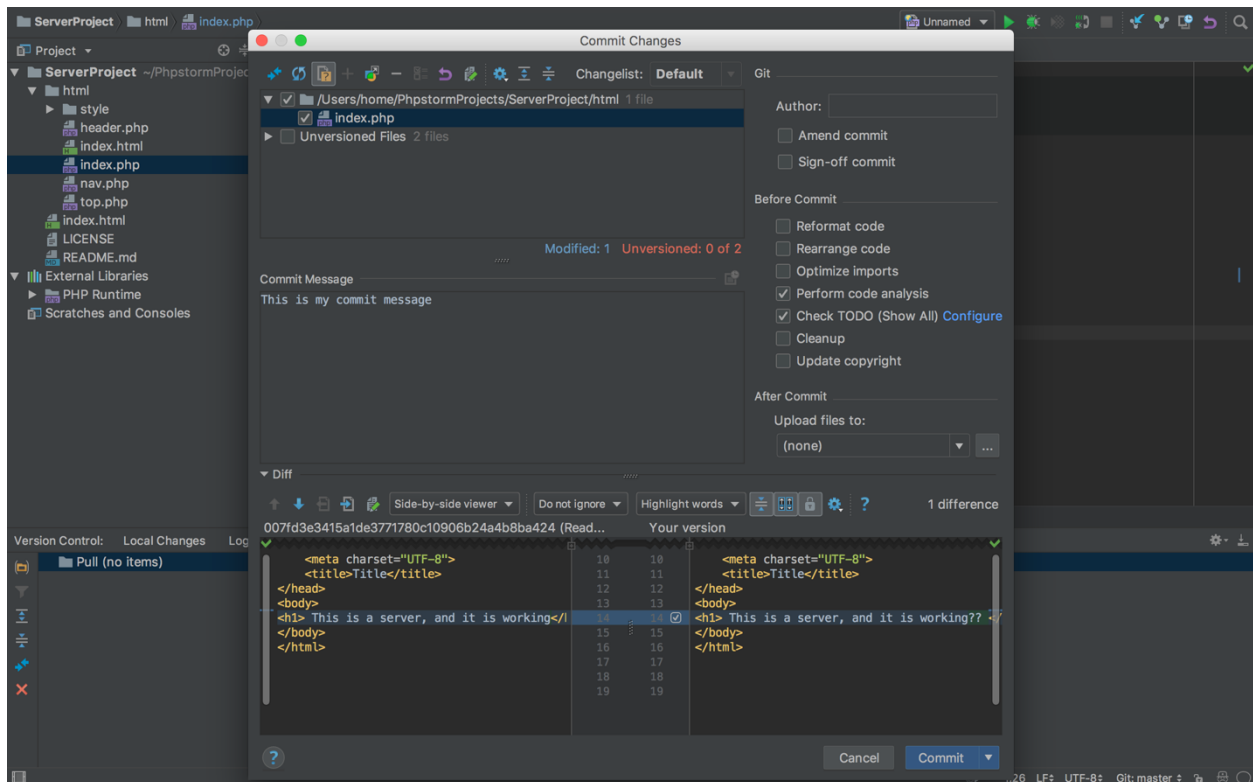
Anytime you create a new file, it will ask you if you would like to add it, always say yes, if you ever say no and need to add it after the fact, you can right click and use the menus as seen below.



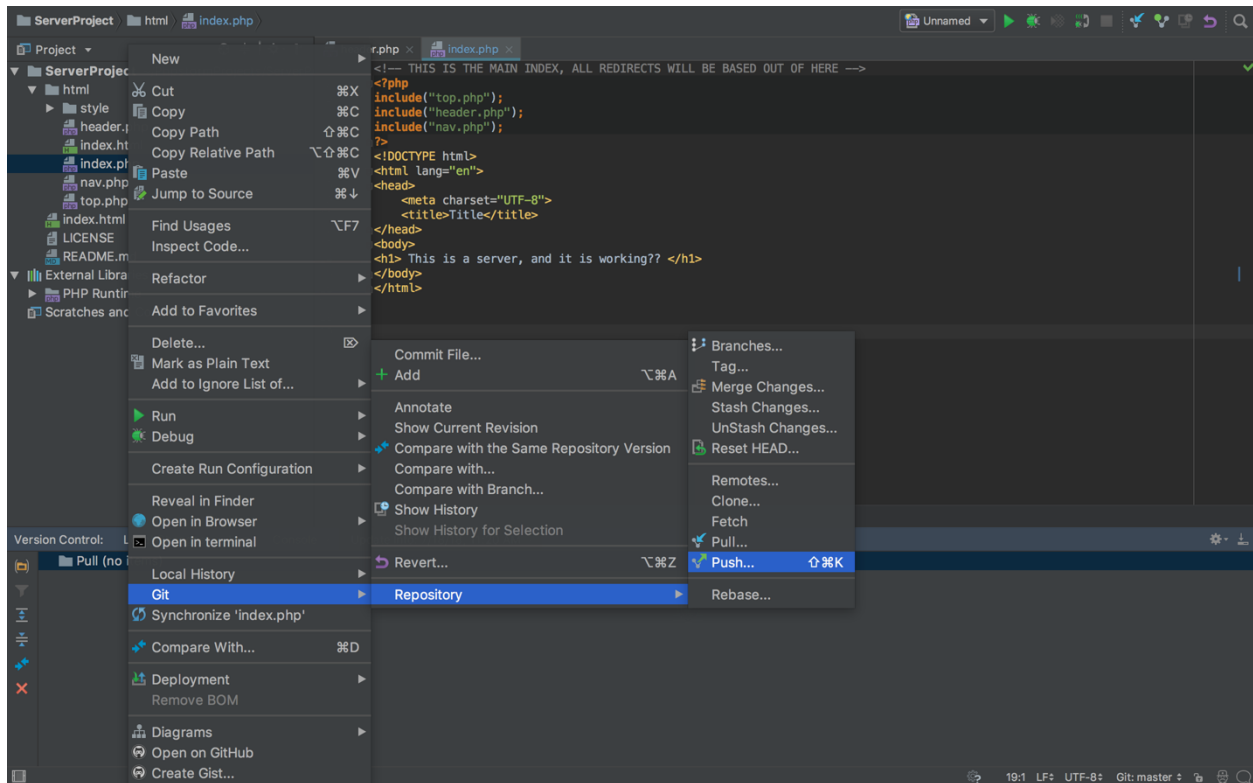
Next is committing files, doing so uploads them to the github server so that any changes you make I can get on my end. Its navigated to as such.



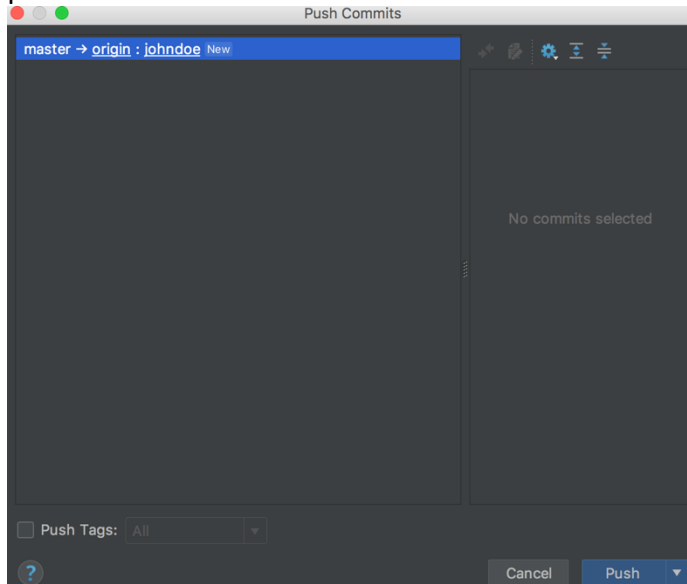
A window will pop up, for the most part all you need do is put something in the comments box like this.



From here you can either press commit, or more preferably commit and push, which is accessed from the down arrow next to the commit button. Pushing is what actually uploads the file to the server and can also be accessed from menus like so.



A window will pop up, generally speaking, you want to push to a different branch than the master, it will by default have master, click on master, and type your username, or really anything you want as it will be a new branch regardless, and you can use this branch from now on. This allows me to merge them with the original and any other branches and makes it possible for us both to edit the same file with little consequence.



## Conclusion

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There is quite a bit I don't know or don't understand about PHPStorm and GitHub, so if you have any ideas or find quicker or better ways of doing things please let me know as some of these are pretty tedious processes, but once setup you will never have to do it again. Also any weird problems, or things I missed please let me know as this is a doc I plan to keep and repurpose if possible.