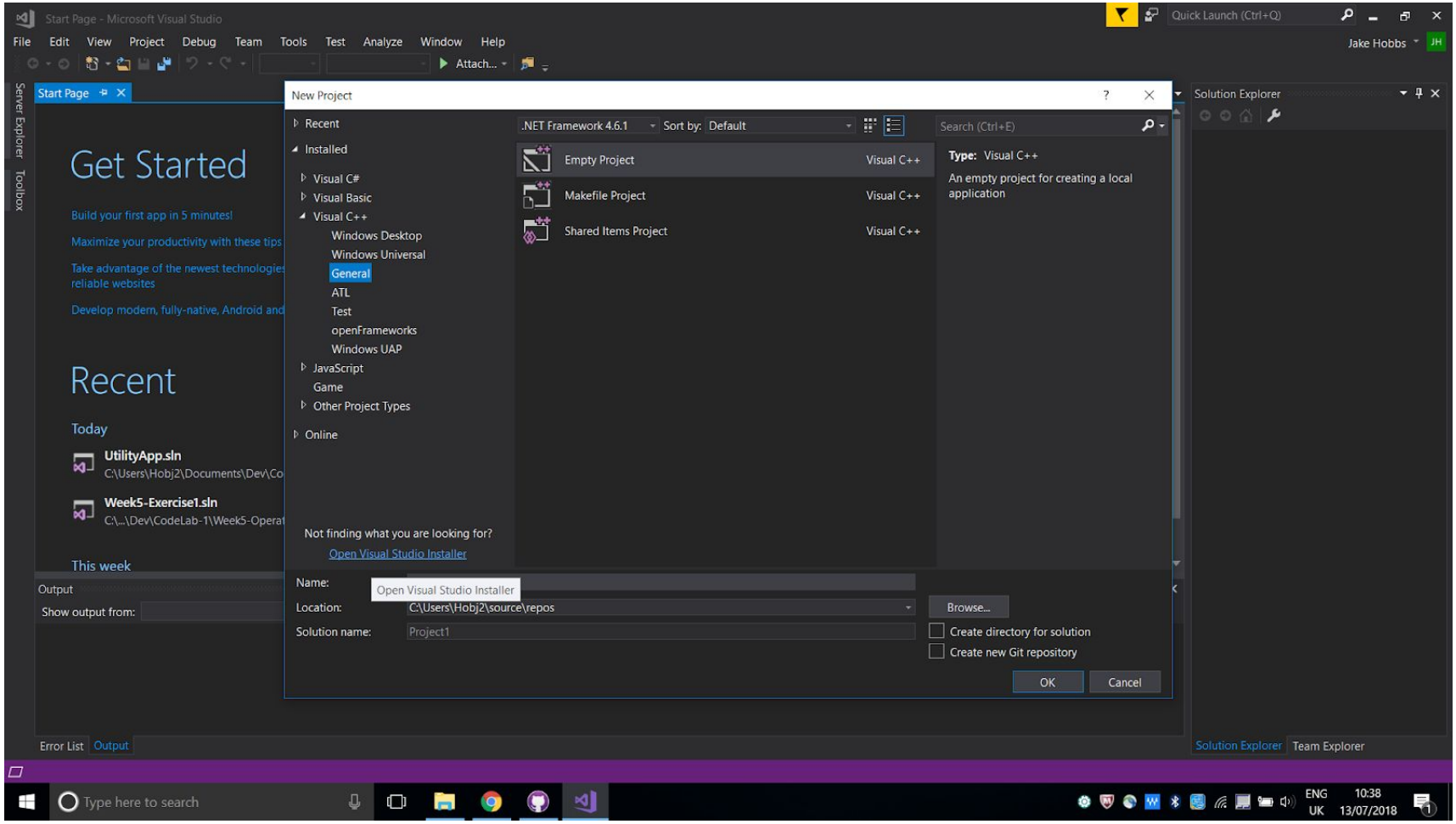
CodeLab II (CCO5000-20)

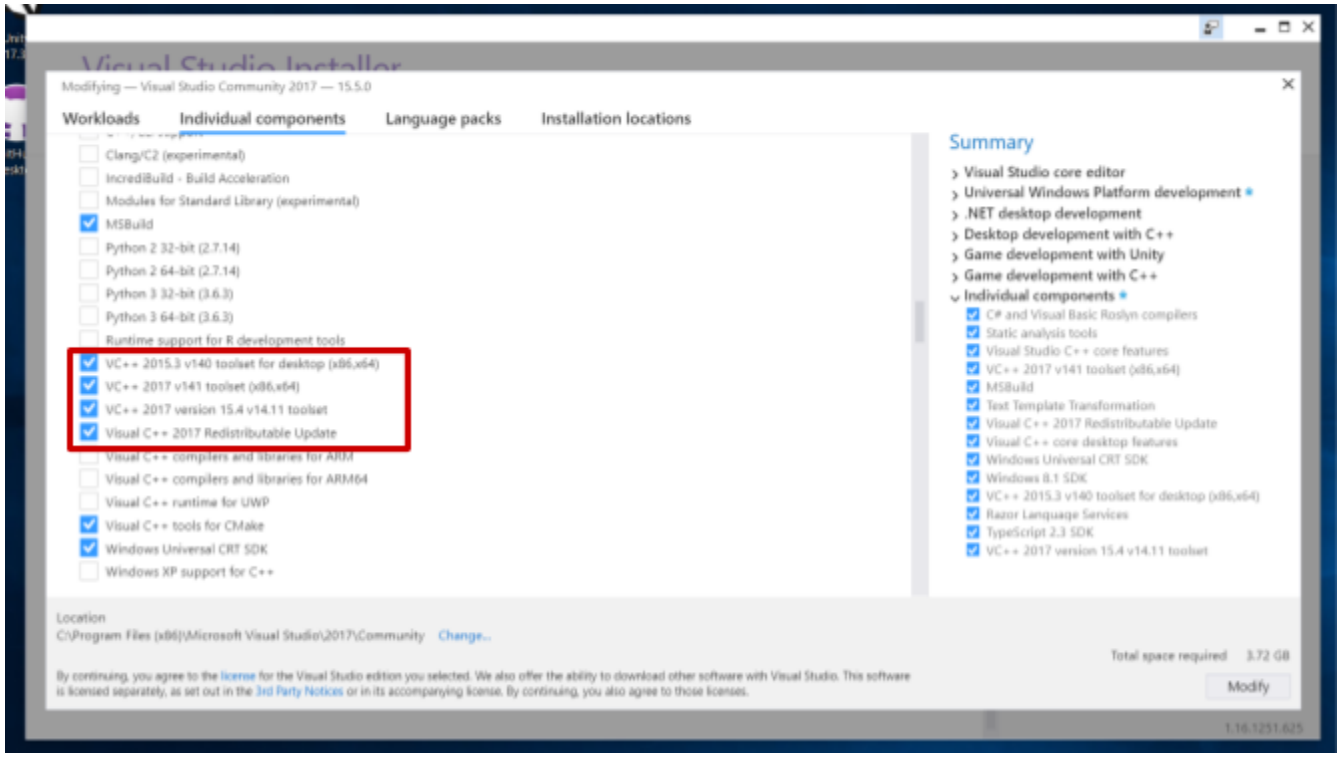
Setting up openFrameworks for Data Driven App - Visual Studio

Creative Computing
Writing, Film & Digital Creativity
College of Liberal Arts, Bath Spa University

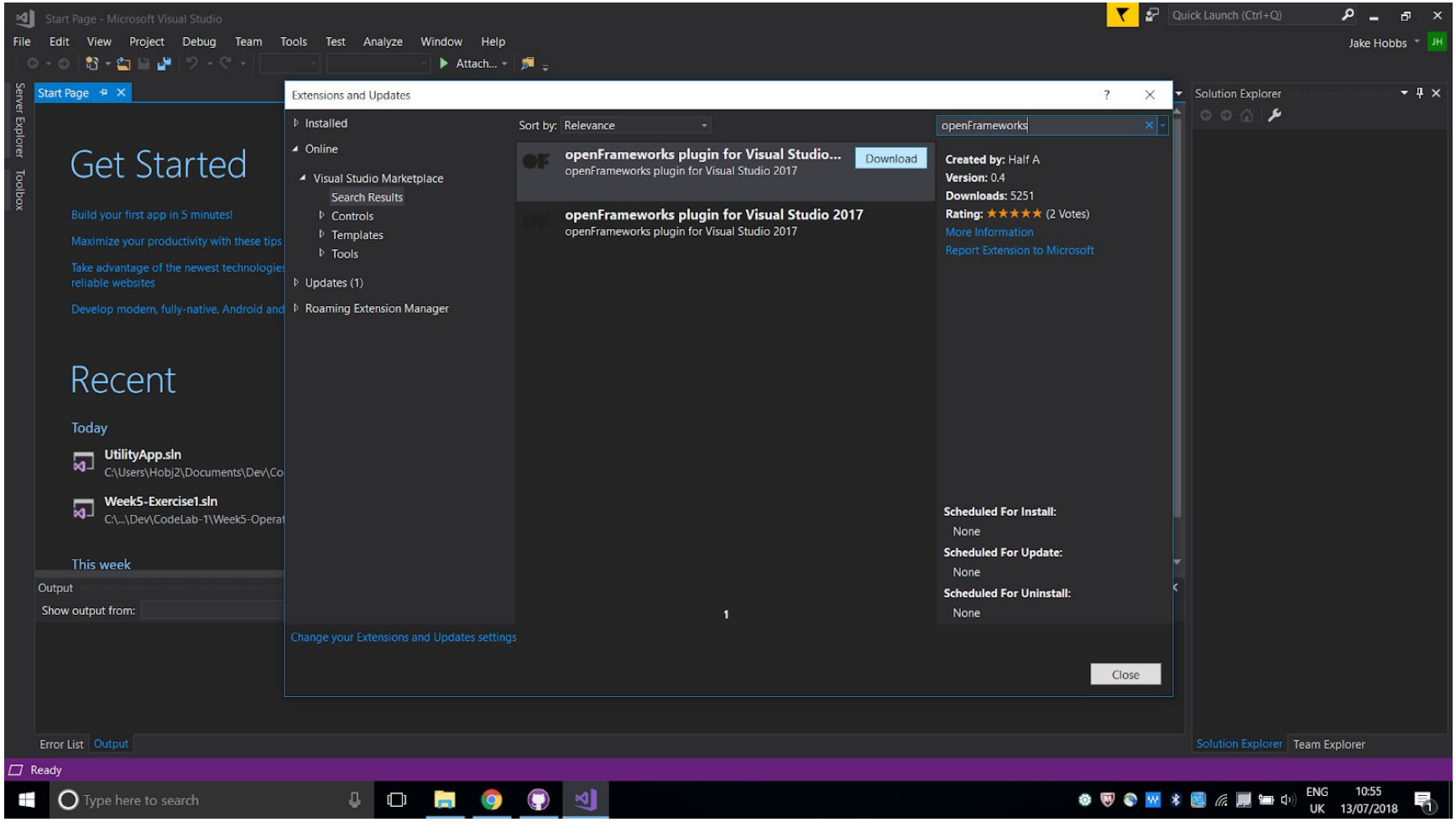
1. Open visual studio, go to "*File → New Project*" and then click *"Open Visual Studio Installer*".



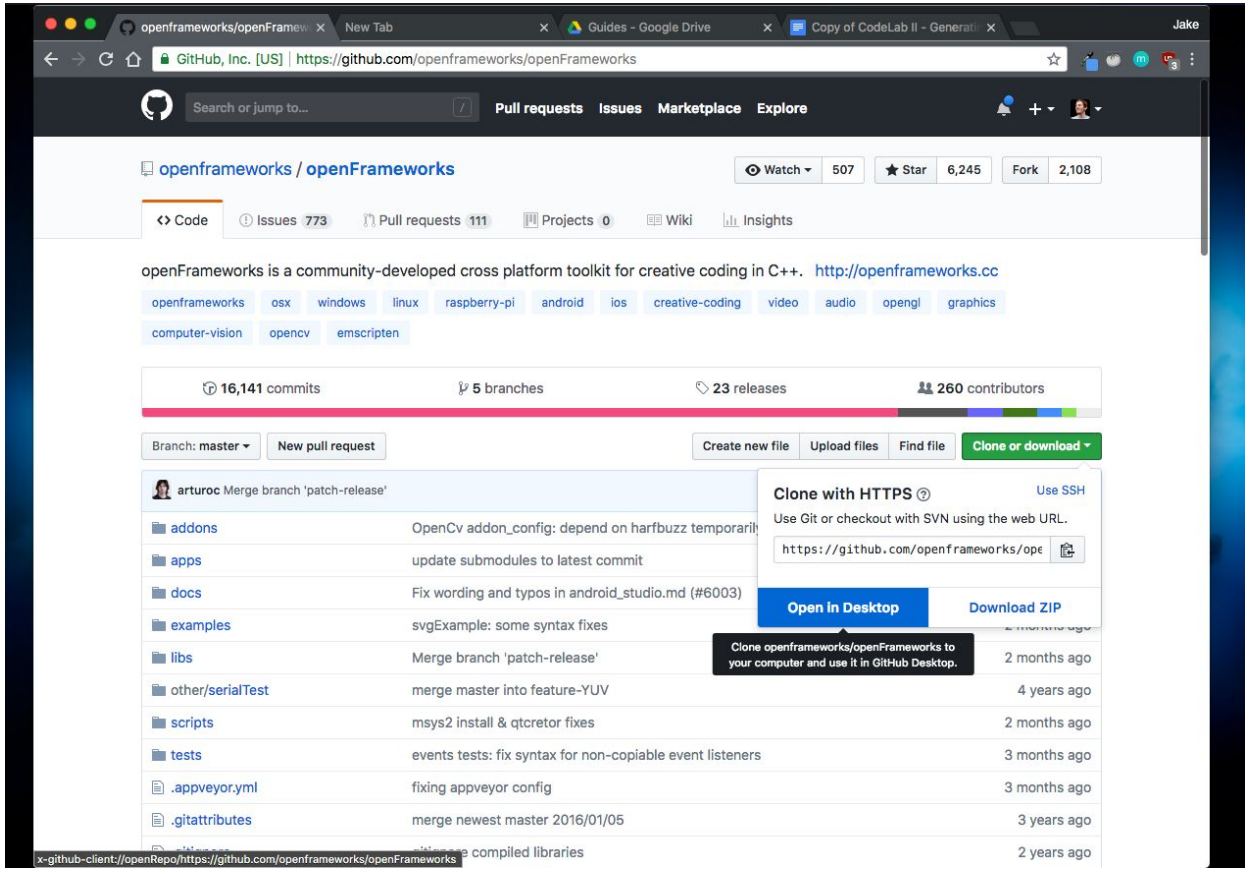
2. Once the installer is open click *“Individual Components”* and make sure common tolls 2017 checkbox is selected and click *“Modify”*. This may take a while depending on size of download.



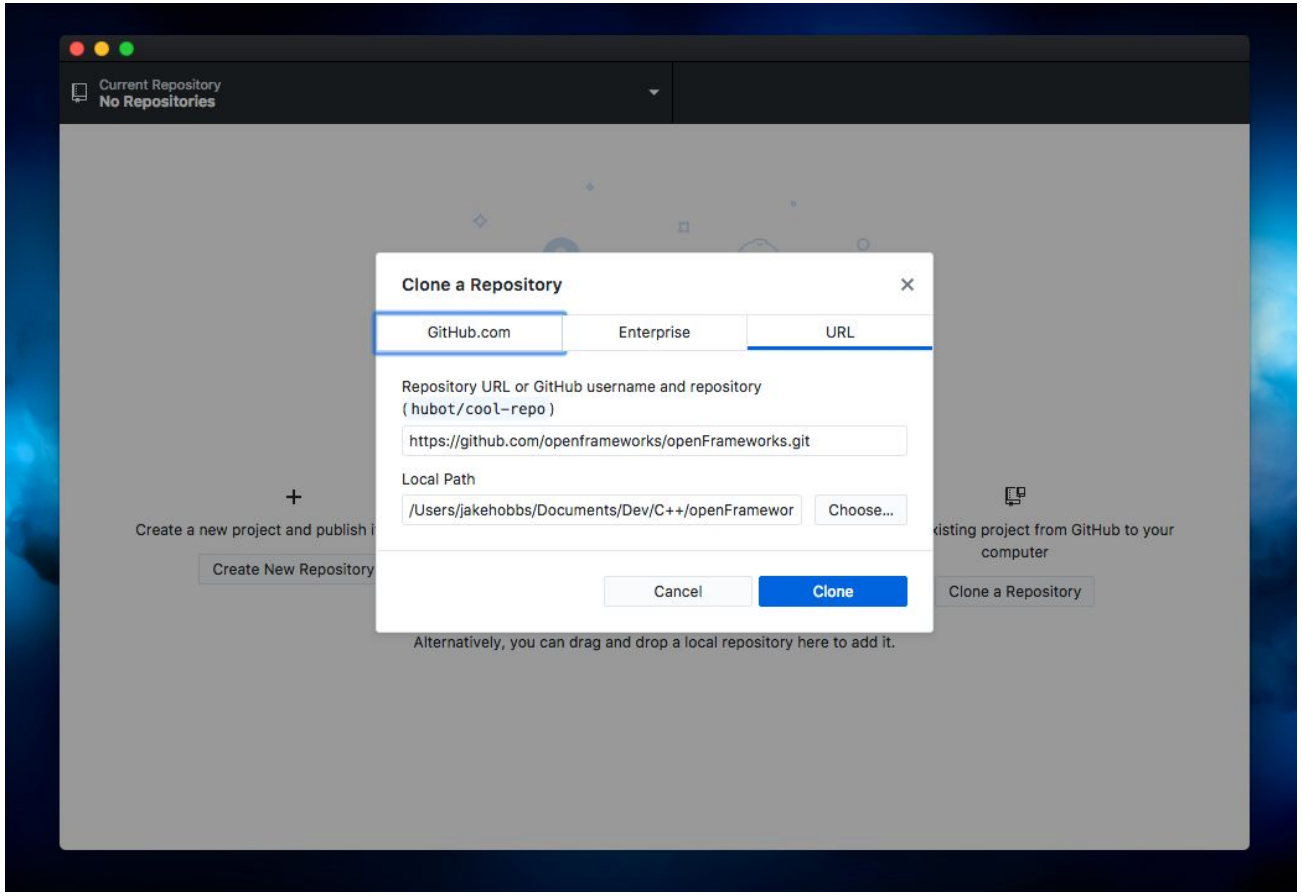
3. Open visual studio go to *"Tools → Extensions & Updates"* and search for the openFrameworks 2017 plugin. Click *"Download"* then close visual studio for plugin to install fully.



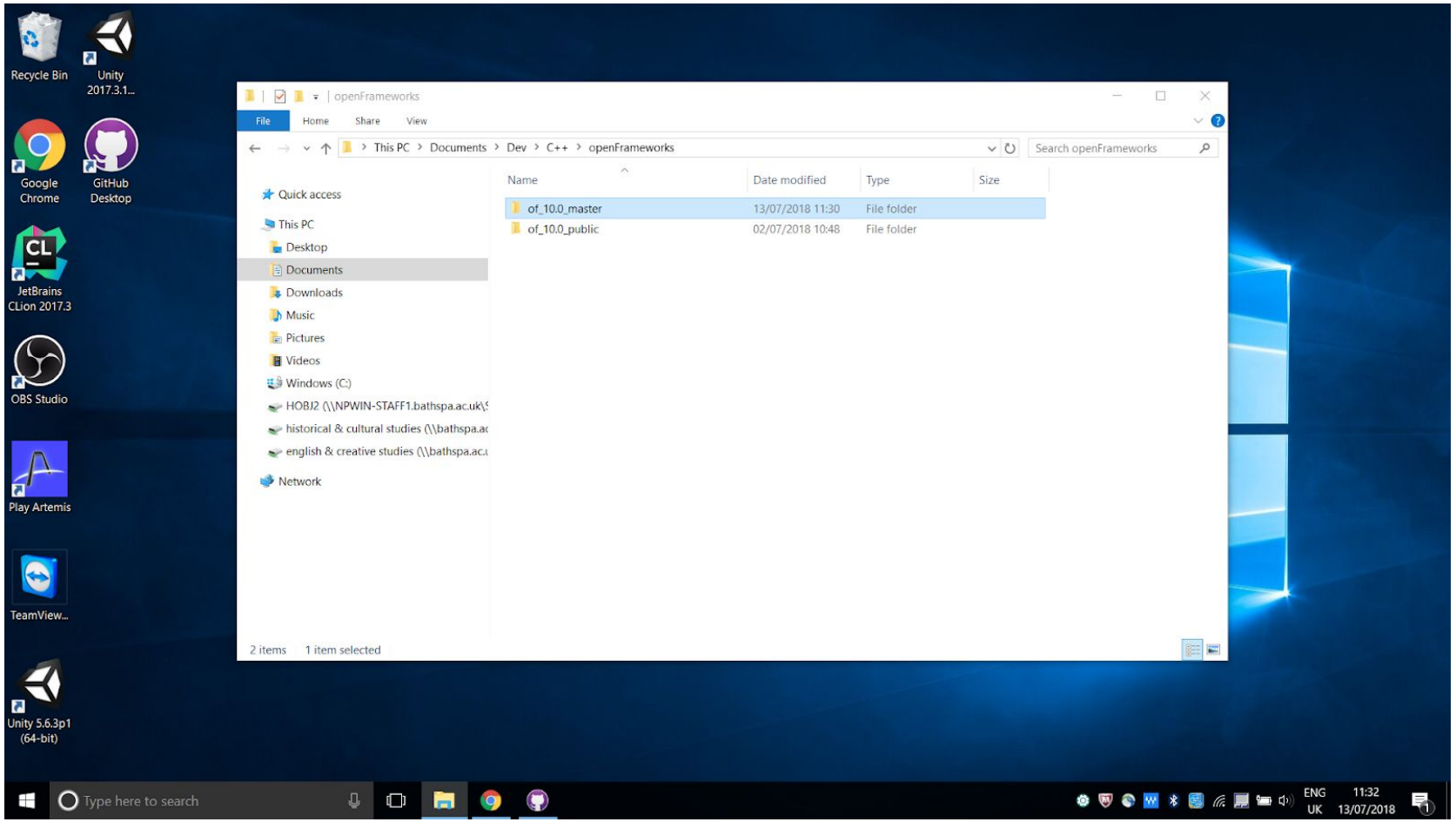
4. Download the master version of openFrameworks from the github page. You can do this by going to the following link: https://github.com/openframeworks/openFrameworks From here click the "*Clone or download*" button and select *"Open in Desktop"*. (A browser pop-up may open asking if you'd like to open Github Desktop - click ok).



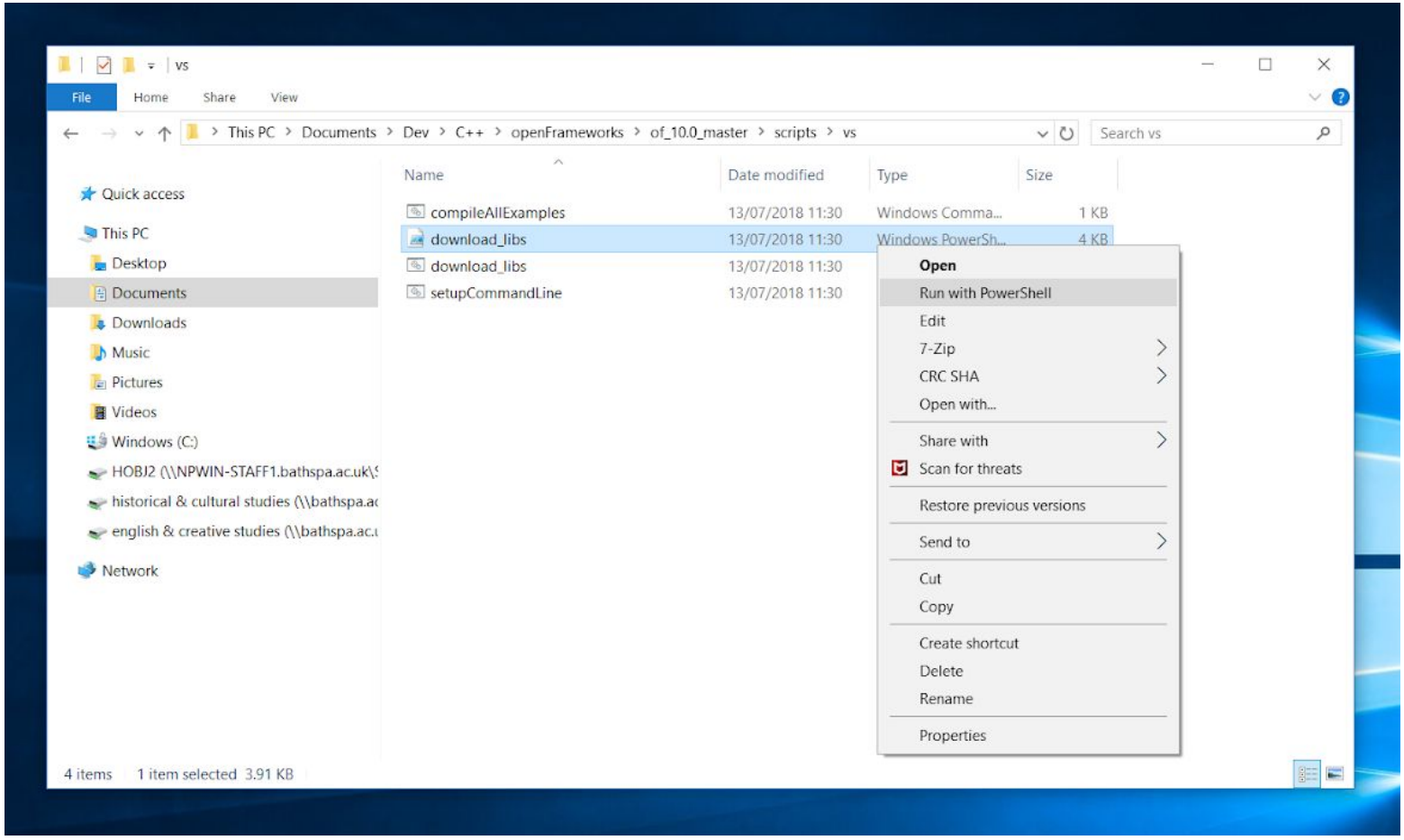
5. Github desktop will open and ask where you would like to clone the repository to. Select *“Choose…”* on Local Path and save it somewhere sensible. For example mine is saved in *Documents → Dev → C++ → openFrameworks*. Once you’ve selected a folder click *“Clone”.* Github desktop will now download openFrameworks to your machine, this may take a few minutes.



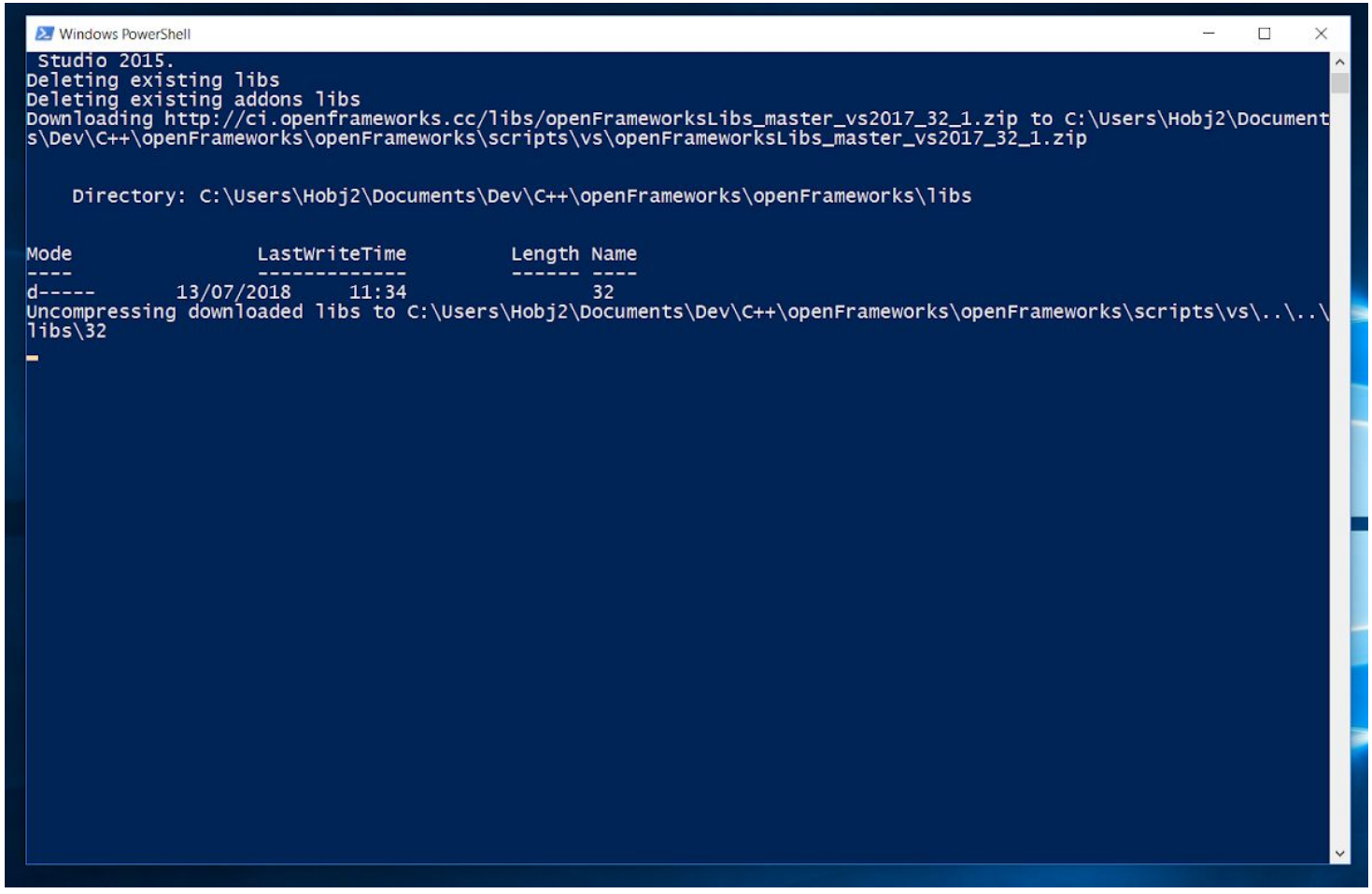
6. Once downloaded go to the folder where you saved to and rename the downloaded folder so you can keep track of different versions. By default it will be named openFrameworks, I like to rename mine so I can tell the difference between the public version (available here) and the master version from github (see image below)



7. In this openFrameworks installation go to the following folder "*scripts → vs*". Right click the "*download_libs*" powershell file and select *"Run in Windows Powershell"*.



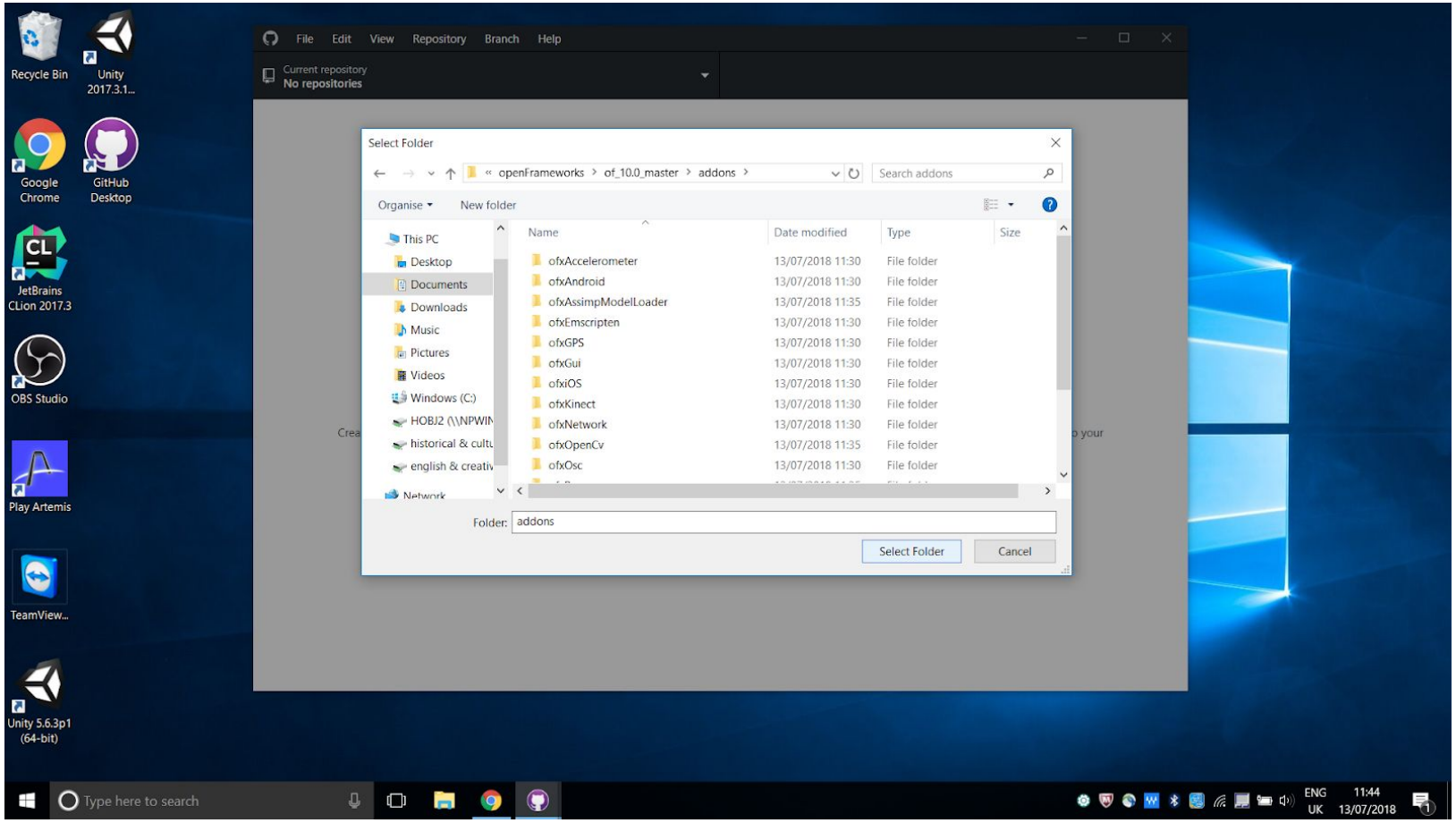
8. This will download some required libraries, it may take a while, be patient. Once complete powershell will automatically close.



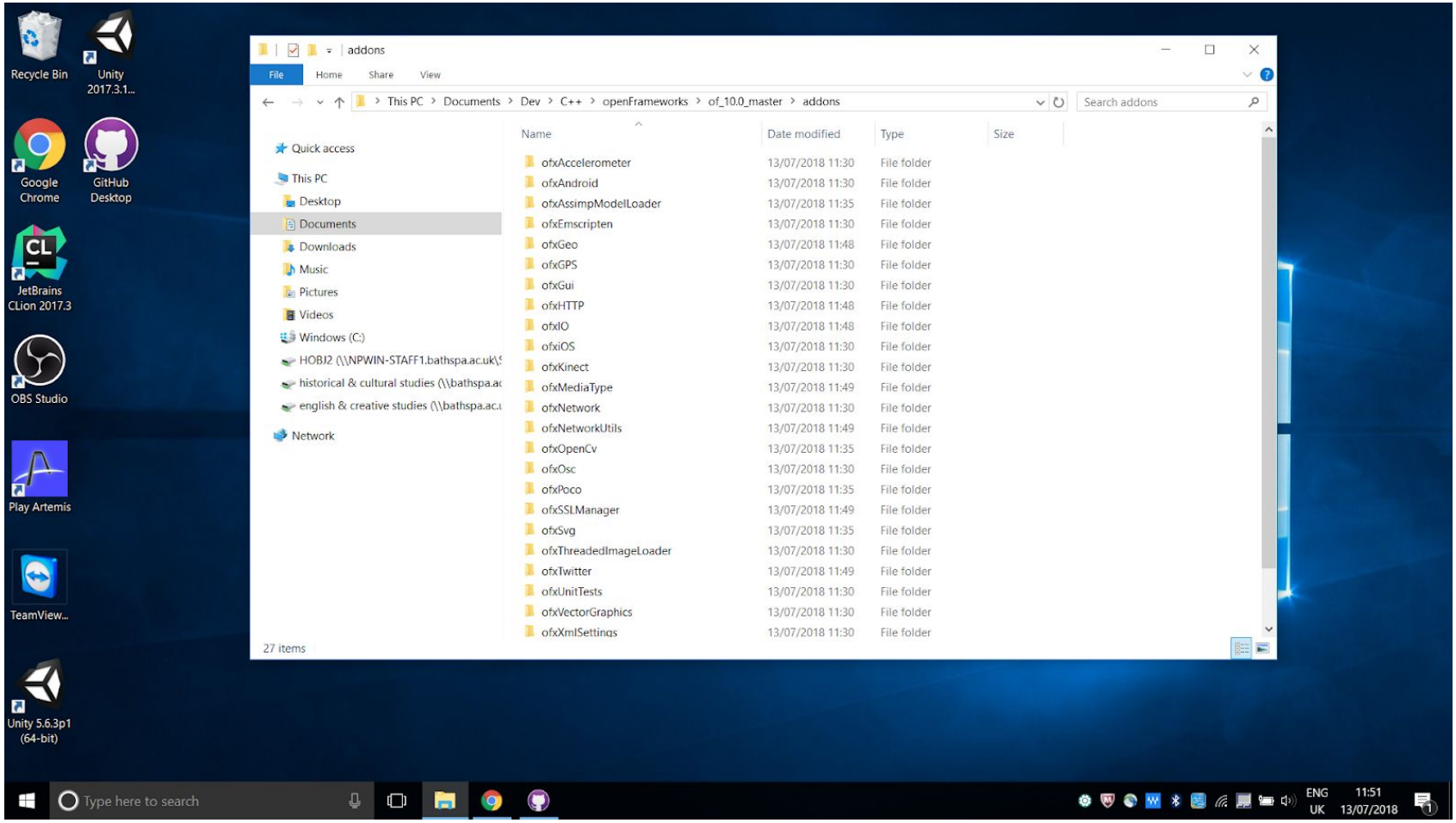
9. Now we need to download the addons required for the Data Driven Application. These are listed below:

   https://github.com/bakercp/ofxGeo
   https://github.com/bakercp/ofxHTTP
   https://github.com/bakercp/ofxIO
   https://github.com/bakercp/ofxNetworkUtils
   https://github.com/bakercp/ofxMediaType
   https://github.com/bakercp/ofxSSLManager
   https://github.com/bakercp/ofxTwitter

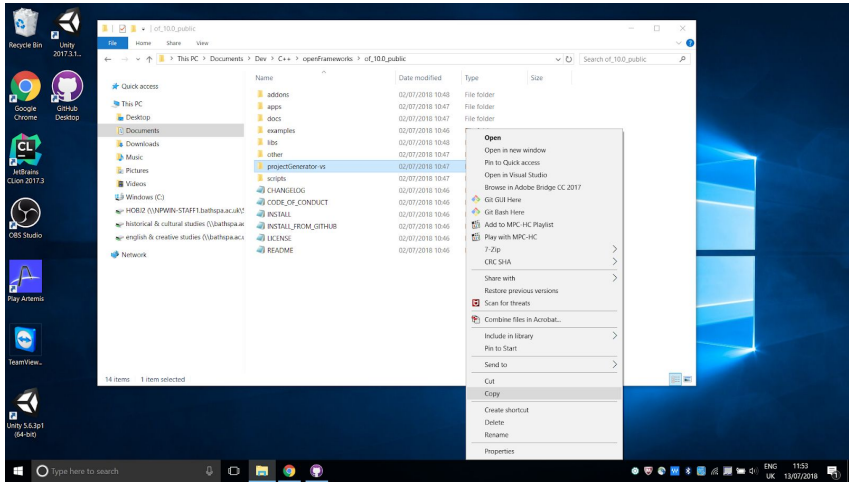
   Go to each of these links in turn and click the *“Clone or download”* button and select *“Open in Desktop”* (like in step 1). Once Github desktop has opened select *“Choose…”* on local path and navigate to the addons folder of your openFrameworks installation and click *“Open”*. Repeat this process for each of the addons listed above.

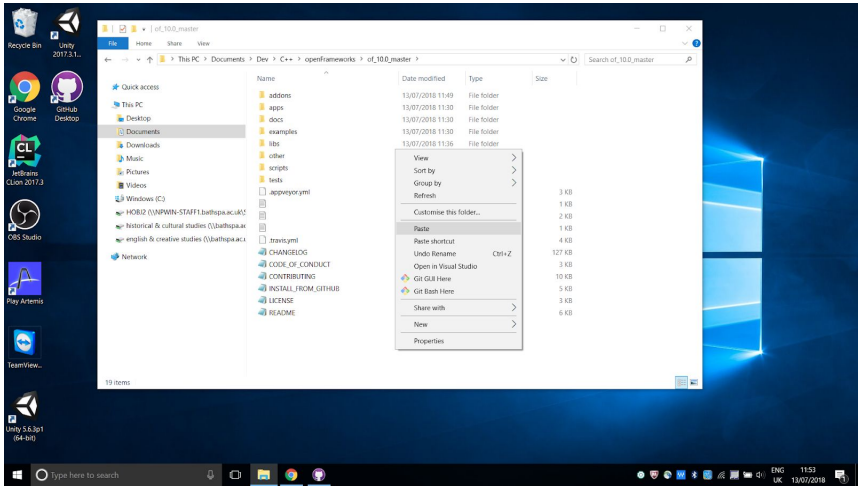

Recycle Bin
Unity 2017.3.1...
Google Chrome
GitHub Desktop
JetBrains CLion 2017.3
OBS Studio
Play Artemis
TeamView...
Unity 5.6.3p1 (64-bit)
File Edit View Repository Branch Help
Current repository
No repositories
Select Folder
openFrameworks › of_10.0_master › addons ›
Search addons
Organise
New folder
This PC
Desktop
Documents
Downloads
Music
Pictures
Videos
Windows (C:)
Name
Date modified
Type
Size
ofxAccelerometer 13/07/2018 11:30 File folder
ofxAndroid 13/07/2018 11:30 File folder
ofxAssimpModelLoader 13/07/2018 11:35 File folder
ofxEmscripten 13/07/2018 11:30 File folder
ofxGPS 13/07/2018 11:30 File folder
ofxGui 13/07/2018 11:30 File folder
ofxiOS 13/07/2018 11:30 File folder
ofxKinect 13/07/2018 11:30 File folder
ofxNetwork 13/07/2018 11:30 File folder
ofxOpenCv 13/07/2018 11:35 File folder
ofxOsc 13/07/2018 11:30 File folder
Folder: addons
Select Folder
Cancel
Type here to search
ENG UK
11:44 13/07/2018

10. Your addons folder should now look something like this

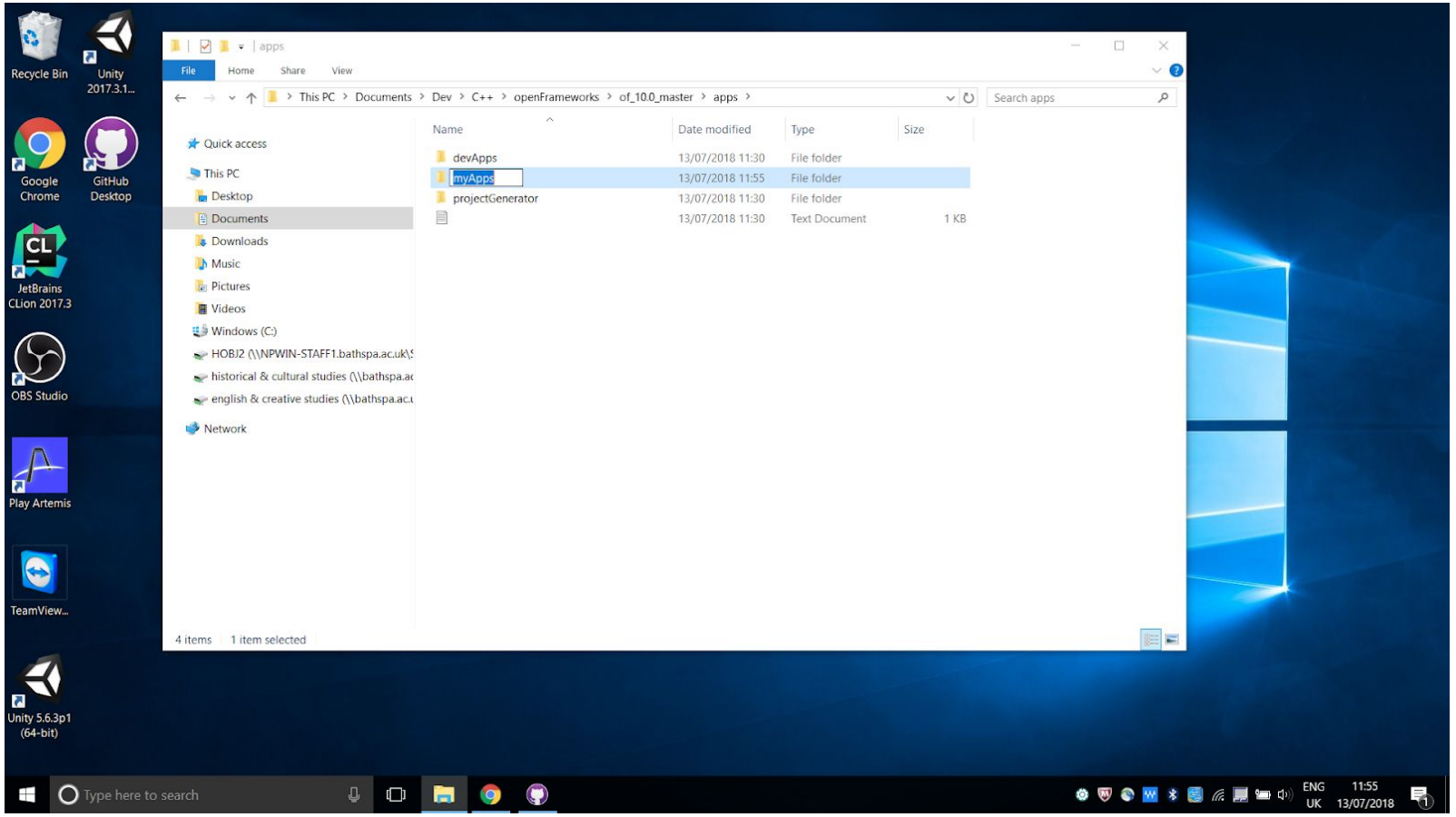


11. This master version of openFrameworks from github does not come with the project generator included. The easiest way to add the project generator is to copy it from the public version of openFrameworks into your master version. You should have the public version downloaded from previous weeks sessions, so go to this openFrameworks installation copy the project generator folder and paste it into the master installation. If you don't have the public version (available here), download it then copy the project generator.





12. Go to the *“apps”* folder of your openFrameworks installation. Right click and create a new folder called “*myApps”.*



13. Your openFrameworks installation is now setup ready to begin building the Data Driven Application. For guidance on how to get the basic project setup from your assignment repository see the following guides:

    Generating Data Driven App Project (Option 2) - Visual Studio

    Creating Twitter App for Data Driven App