



CodeLab II (CCO5000-20)

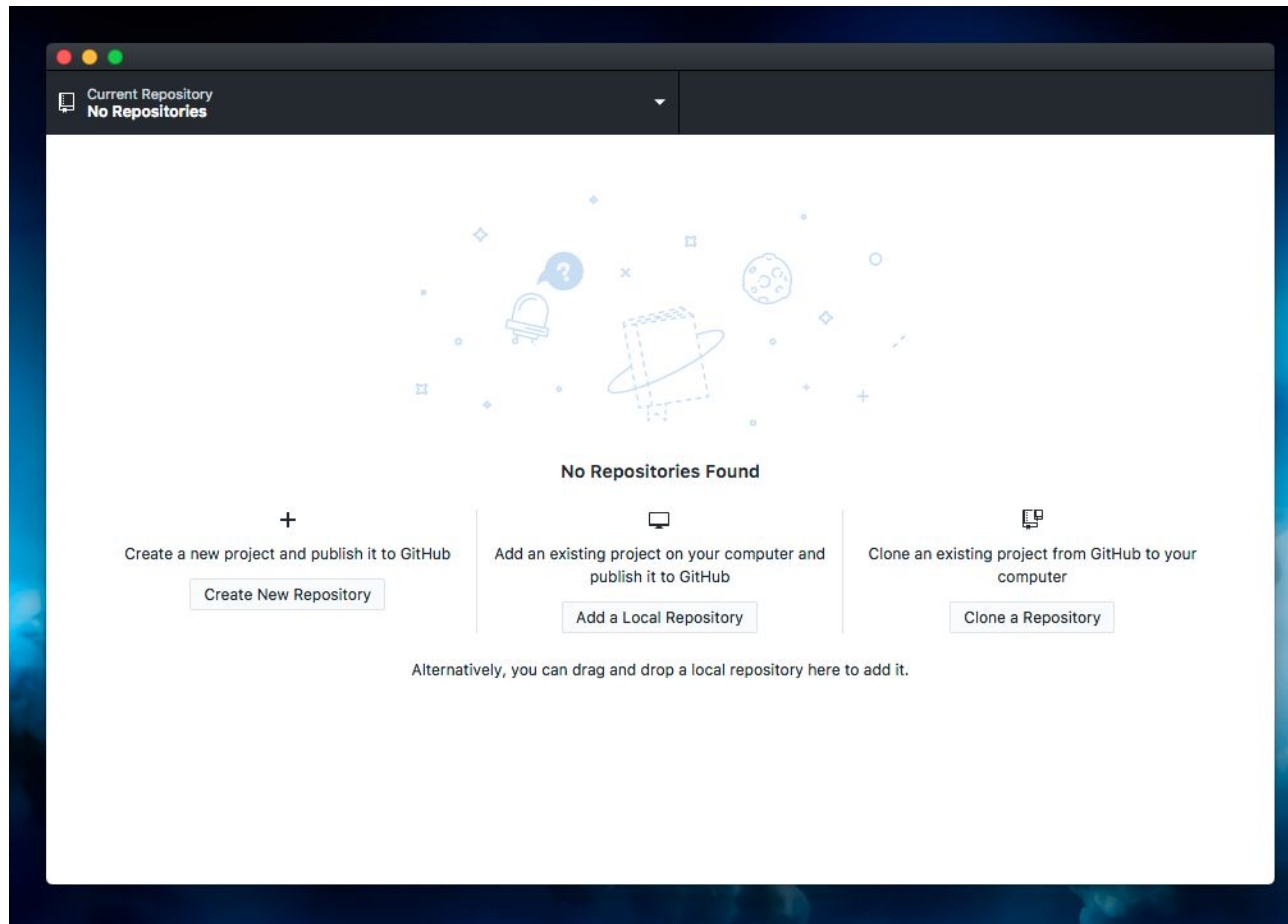
Cloning Option 1 Data Driven App Repository - Visual Studio

Creative Computing

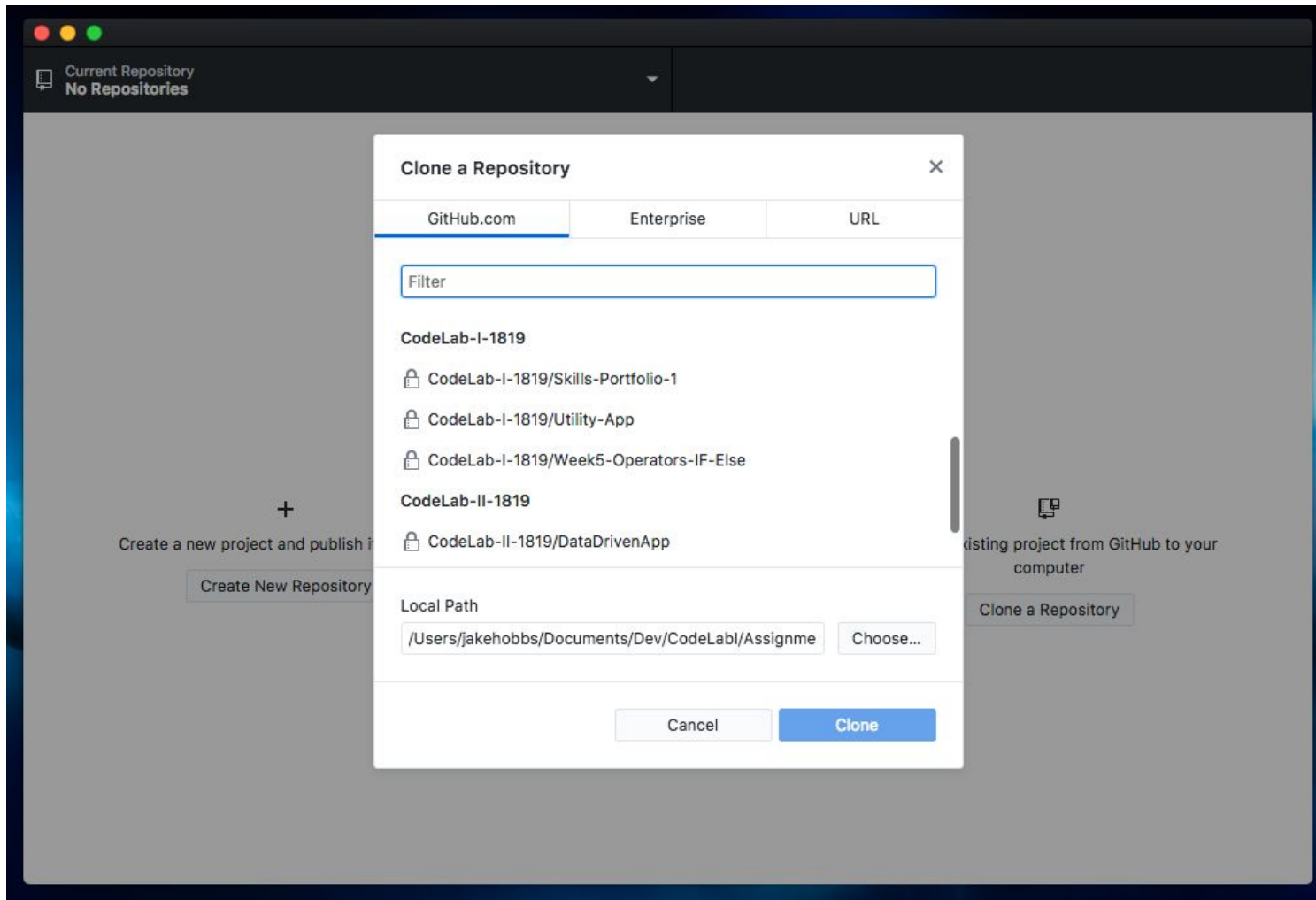
Writing, Film & Digital Creativity

College of Liberal Arts, Bath Spa University

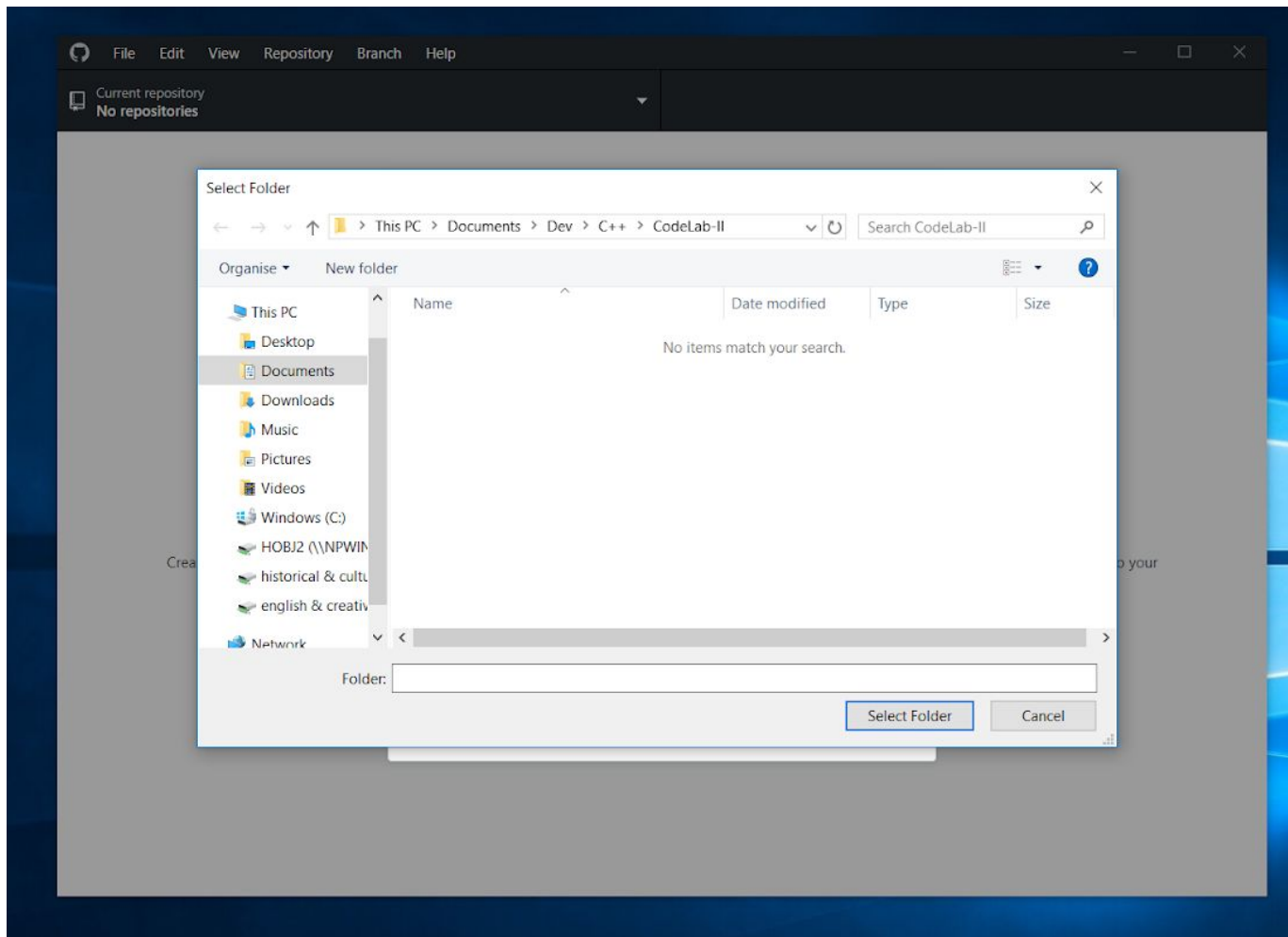
1. Use Github desktop clone your the repository to your computer. If you have no existing repositories you can do this by clicking the “*Clone a Repository*” button on the opening screen. Else simply go “*File → Clone Repository*”



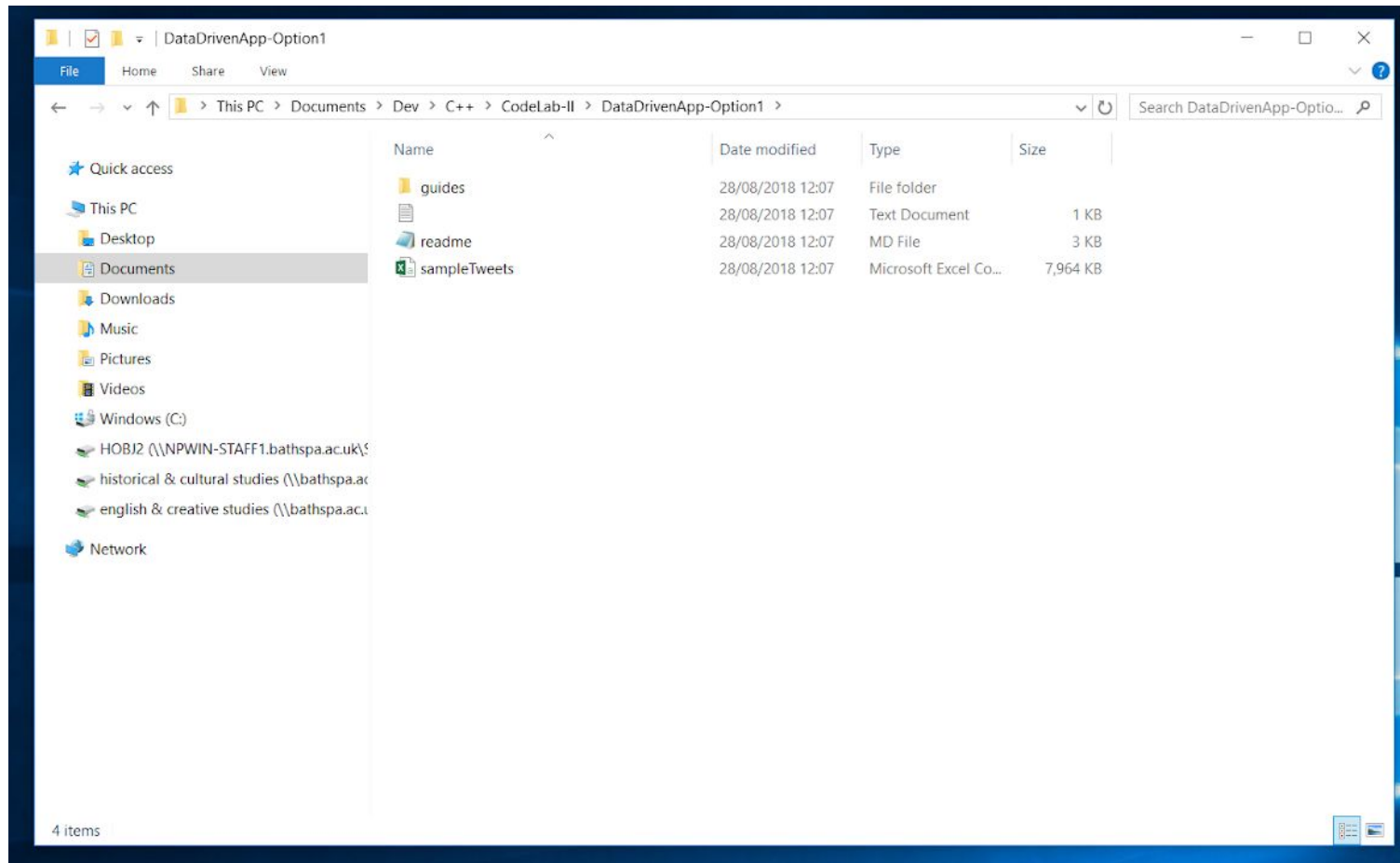
2. You will be presented with a screen similar to the one below. You should look for and select the assignment repository from those listed. This will be named something like: *CodeLab-II-1819/DataDrivenApp-Option1-yourgithubusername*



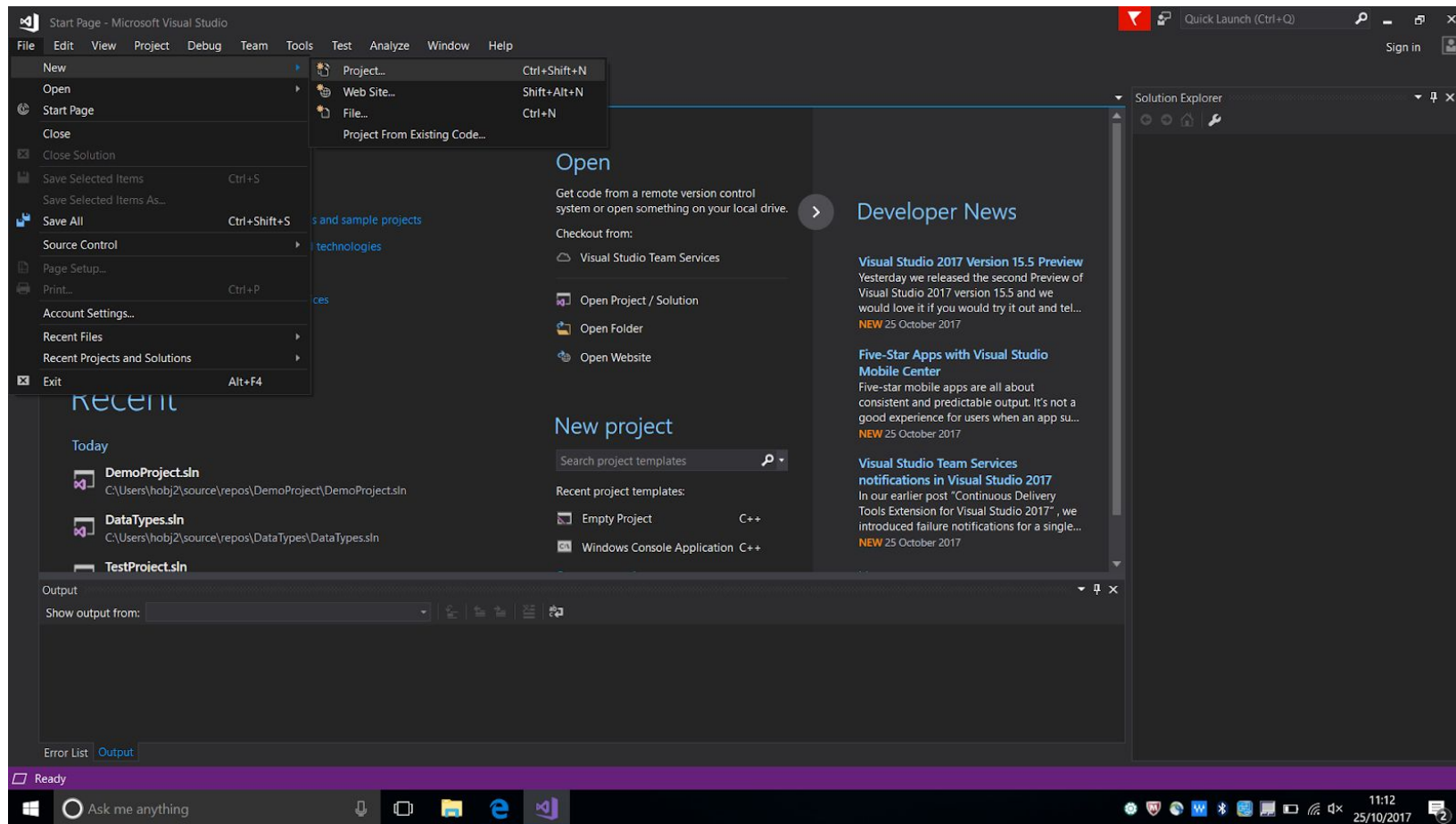
3. Click “Choose...” next to local path and browse to sensible location on your machine to save the repository, eg: *Documents* → *Dev* → *CodeLab-II*. Once you have selected a folder on your machine click “Open” to clone the repository.



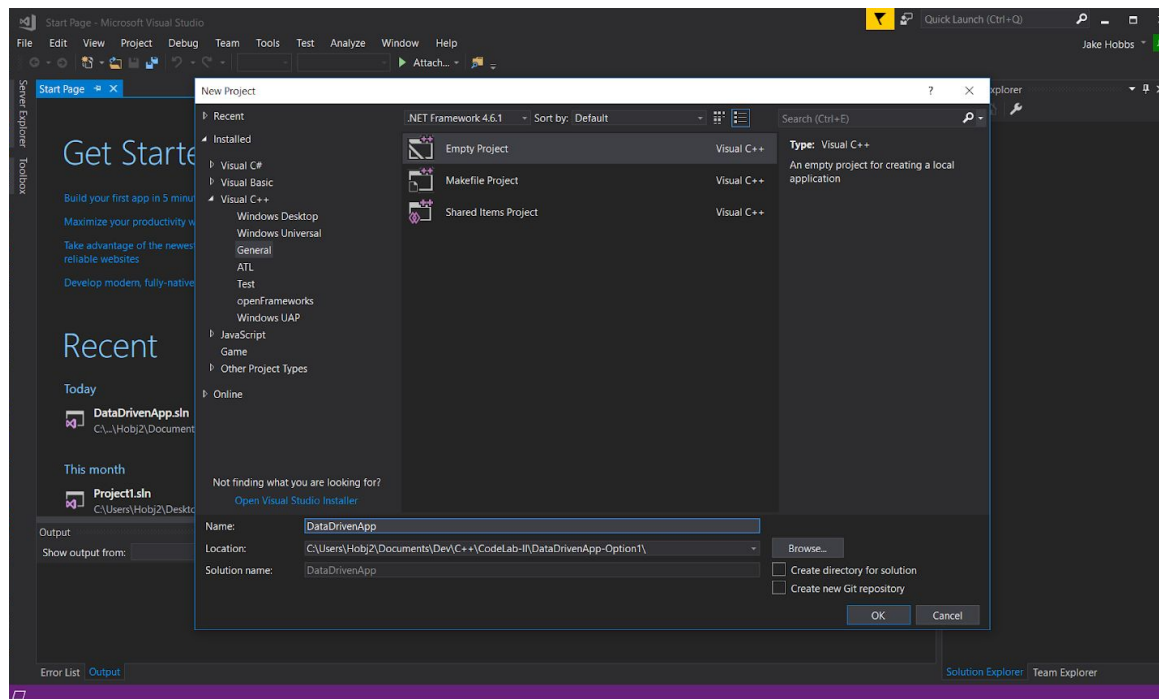
4. You should now have a copy of the repository from Github on your local machine. The image below shows the repository on my local machine after cloning from Github. You should now create a Visual Studio project in this repository and develop your solution for the assignment. The remaining steps guide you on how to create a new project in Visual Studio.



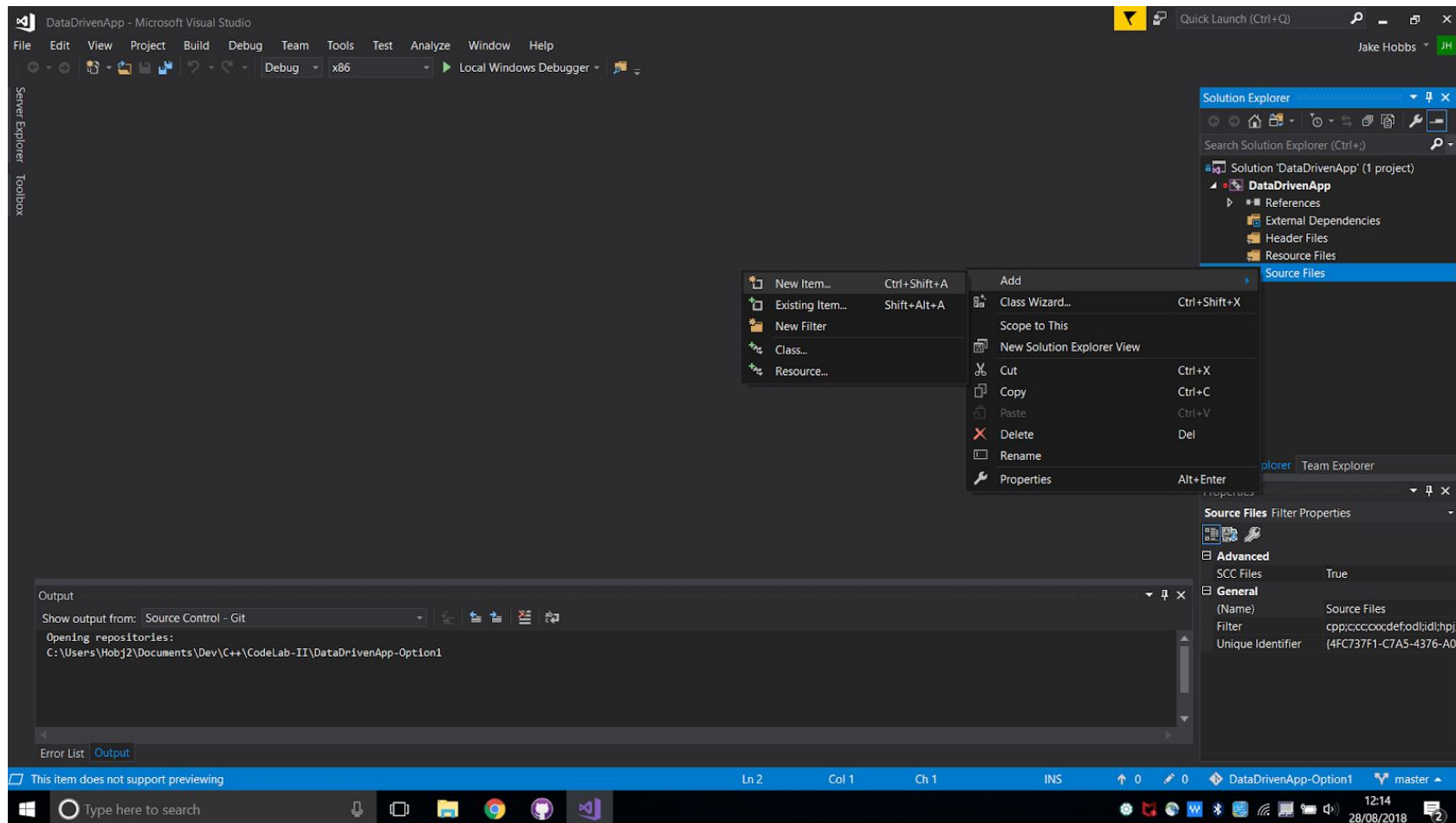
5. In Visual Studio go to File → New Project



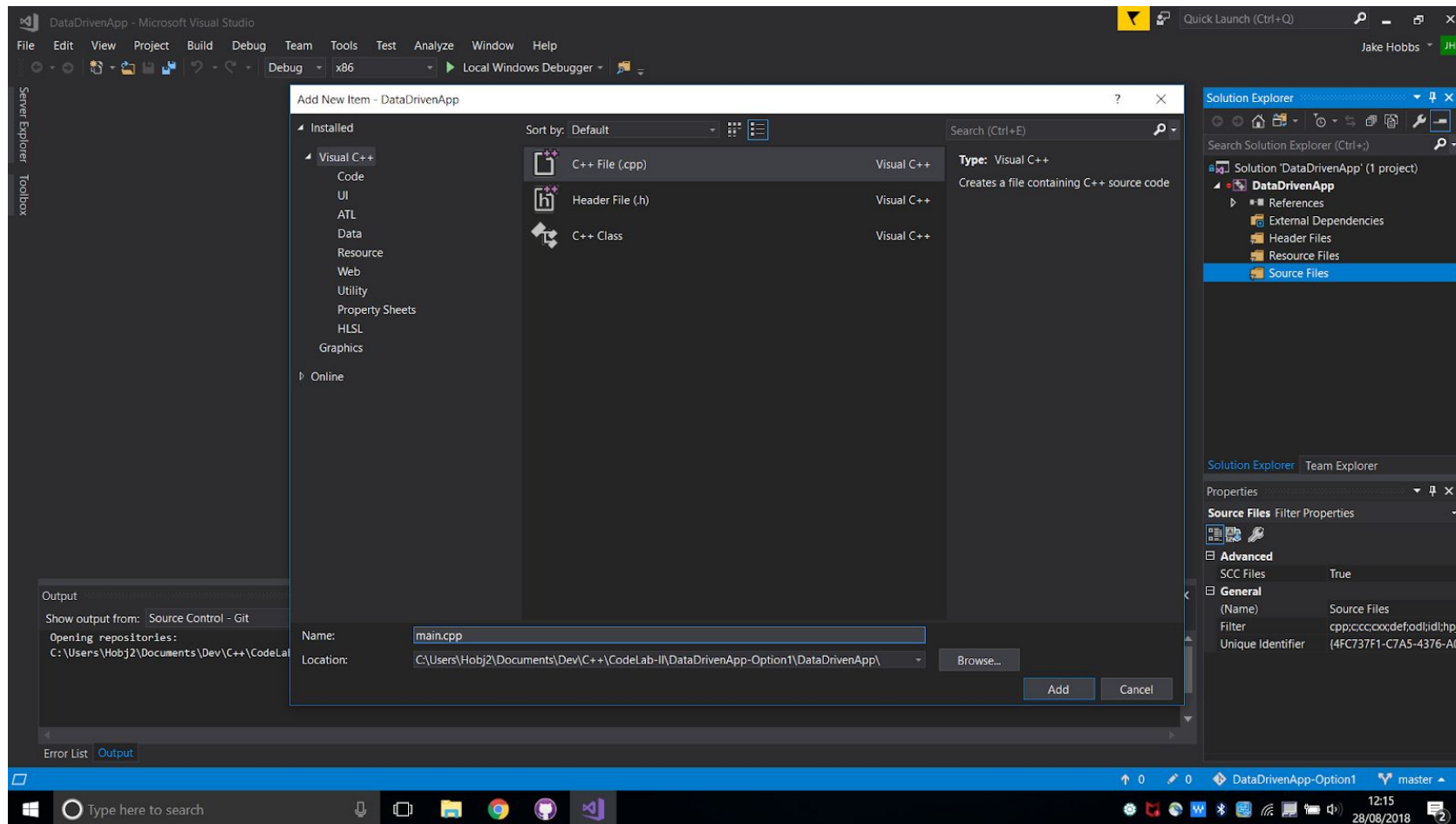
6. Create your project:
- Select *General* from under *Visual C++* on the left of the new project window
 - Select *Empty Project* in the main window
 - In the “Name” box provide a name for the project (e.g: *DataDrivenApp*)
 - In the “Location” box click “Browse...” and select the location you cloned the repository to in step 3
 - Make sure “Create directory for Solution” and “Create new Git repository” are **unchecked**.
 - Click OK



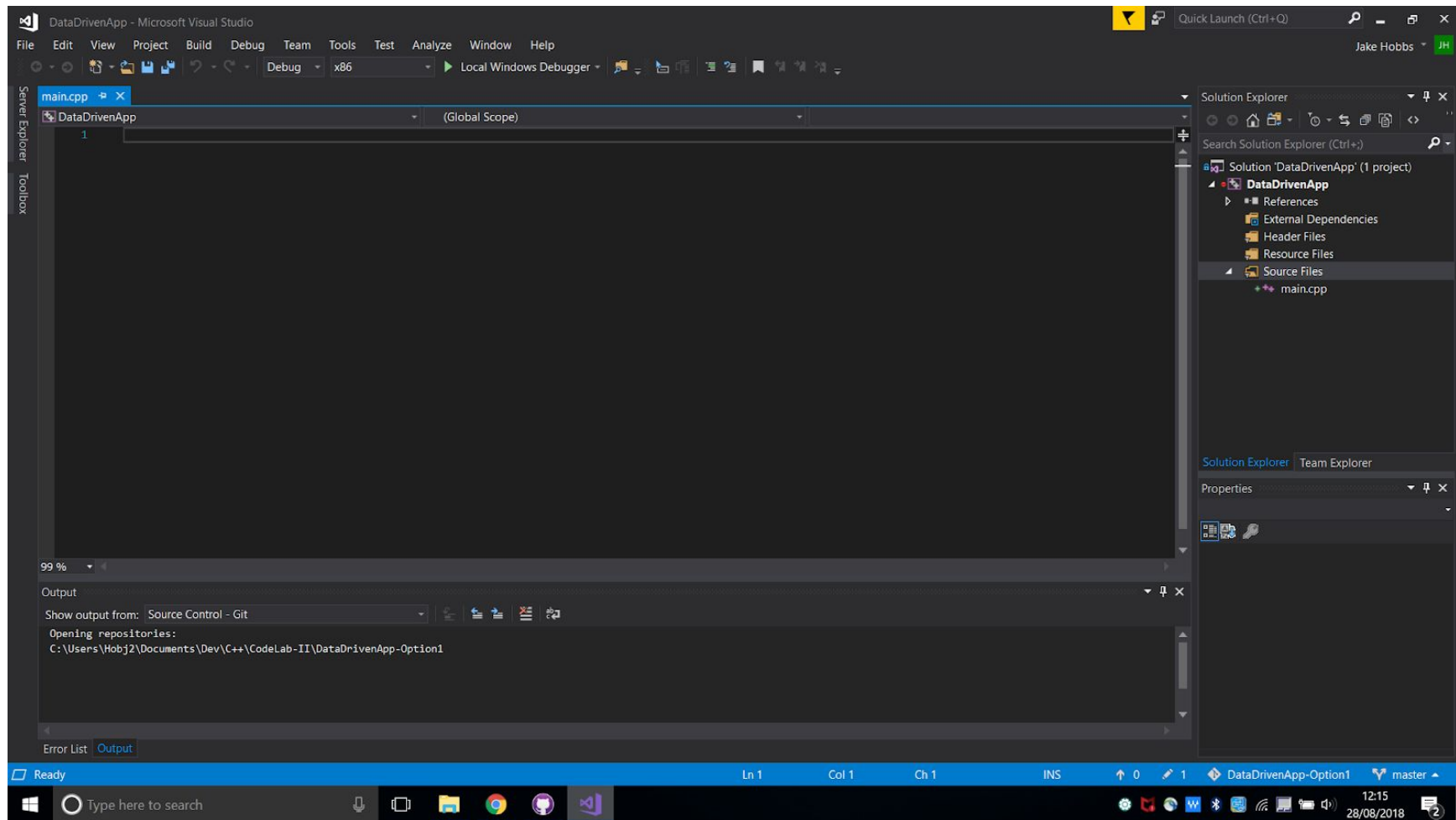
7. Your Visual Studio project is almost ready. You will be presented with the following screen. (Solution Explorer may appear on the left or the right).
- In the *Solution Explorer* window locate and right click the *Source Files* folder
 - Click *Add* → *New Item* from the popup that appears



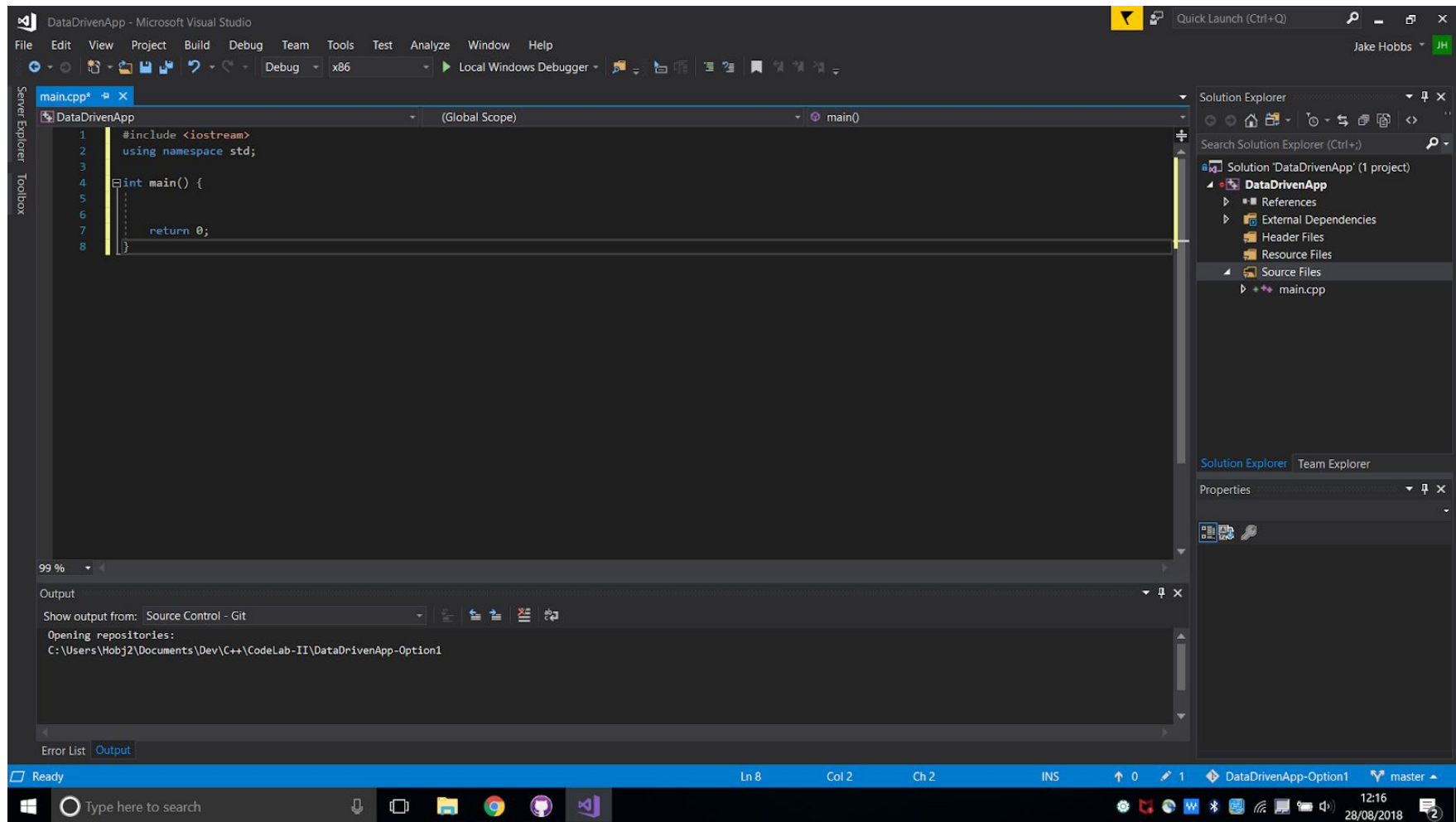
8. Add a new C++ (.cpp) file and name it main.cpp. Click add.



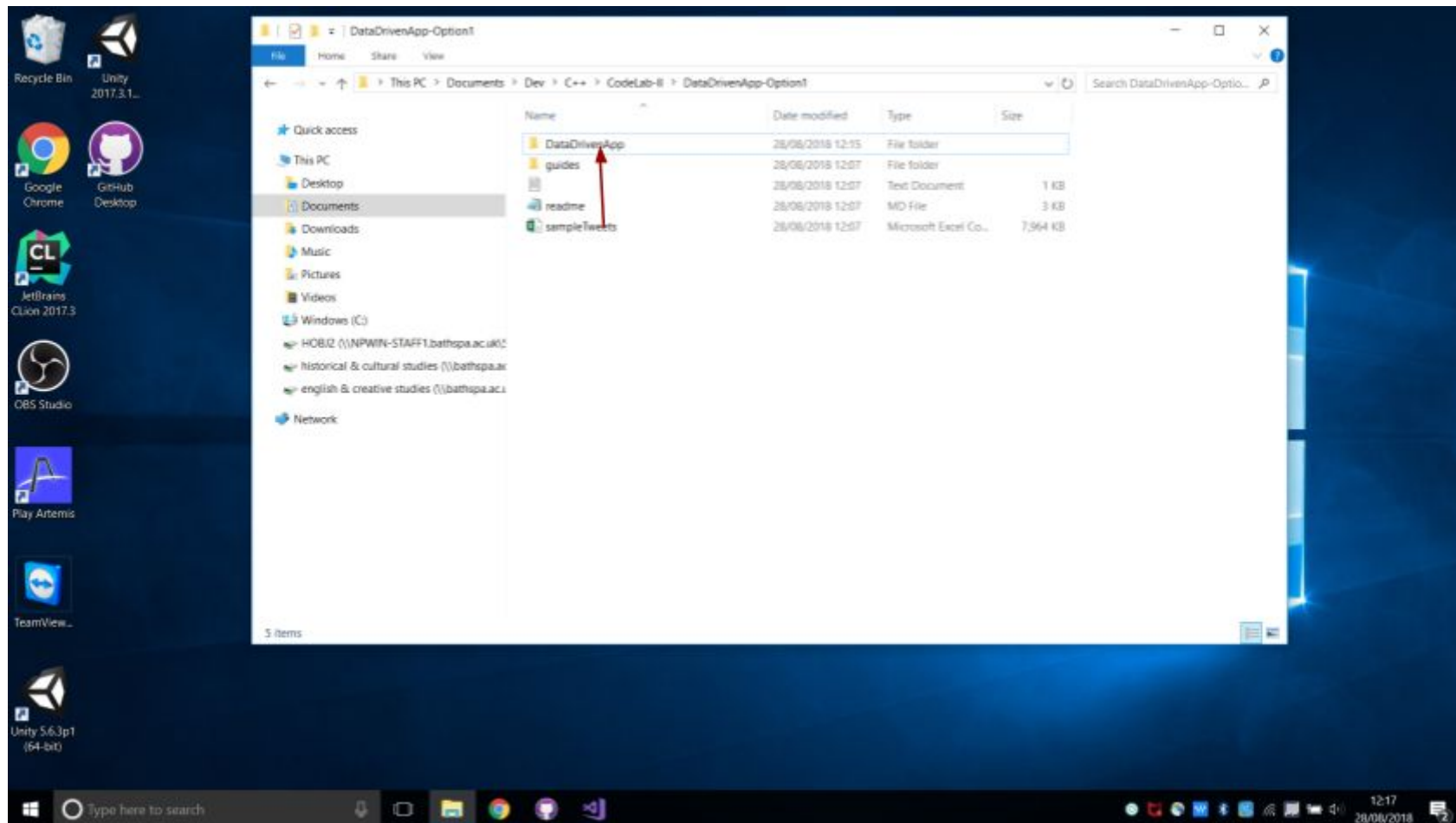
9. Your main.cpp file will initially be blank

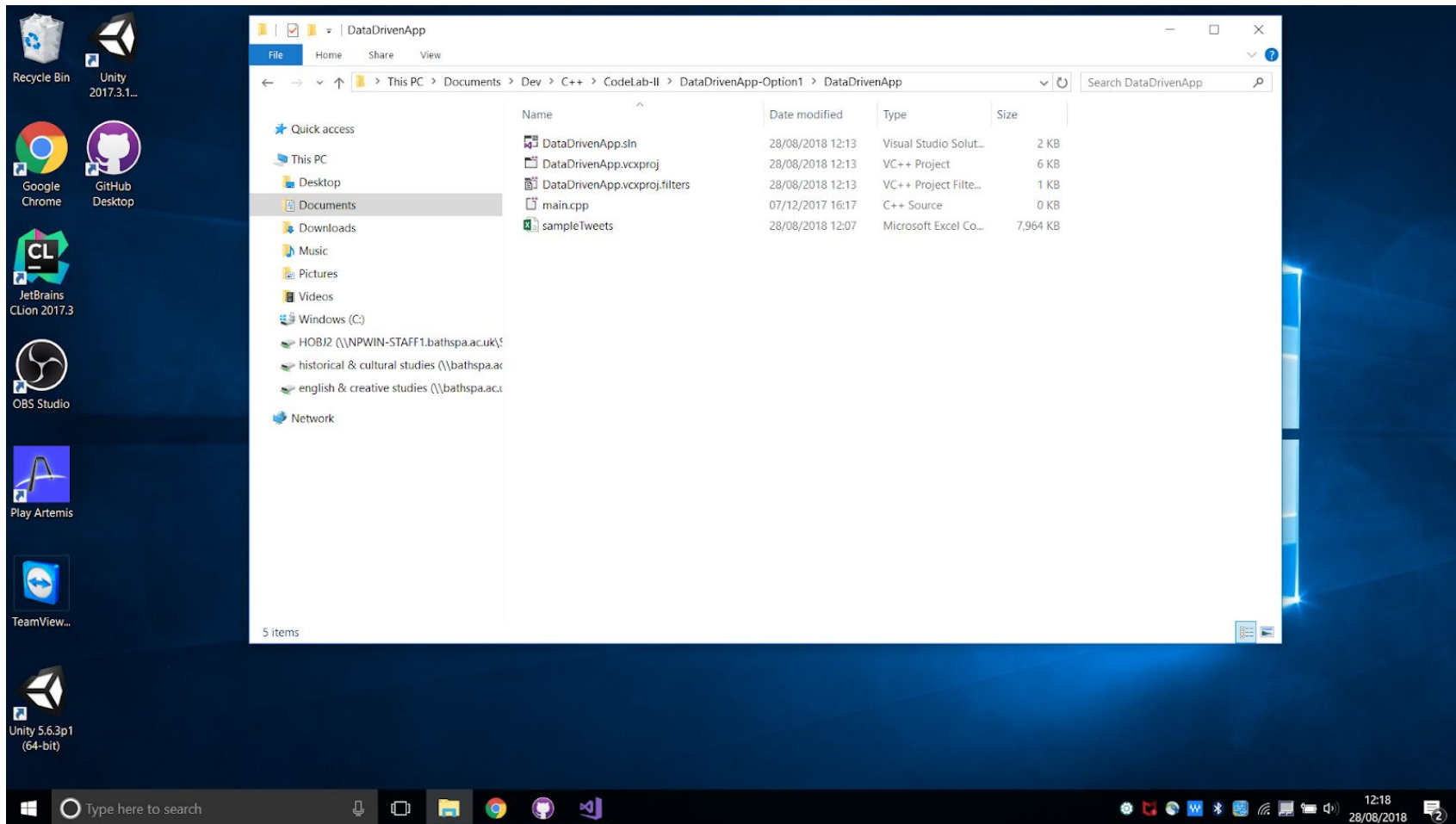


10. Add the following basic code to the file. You are now ready to code.

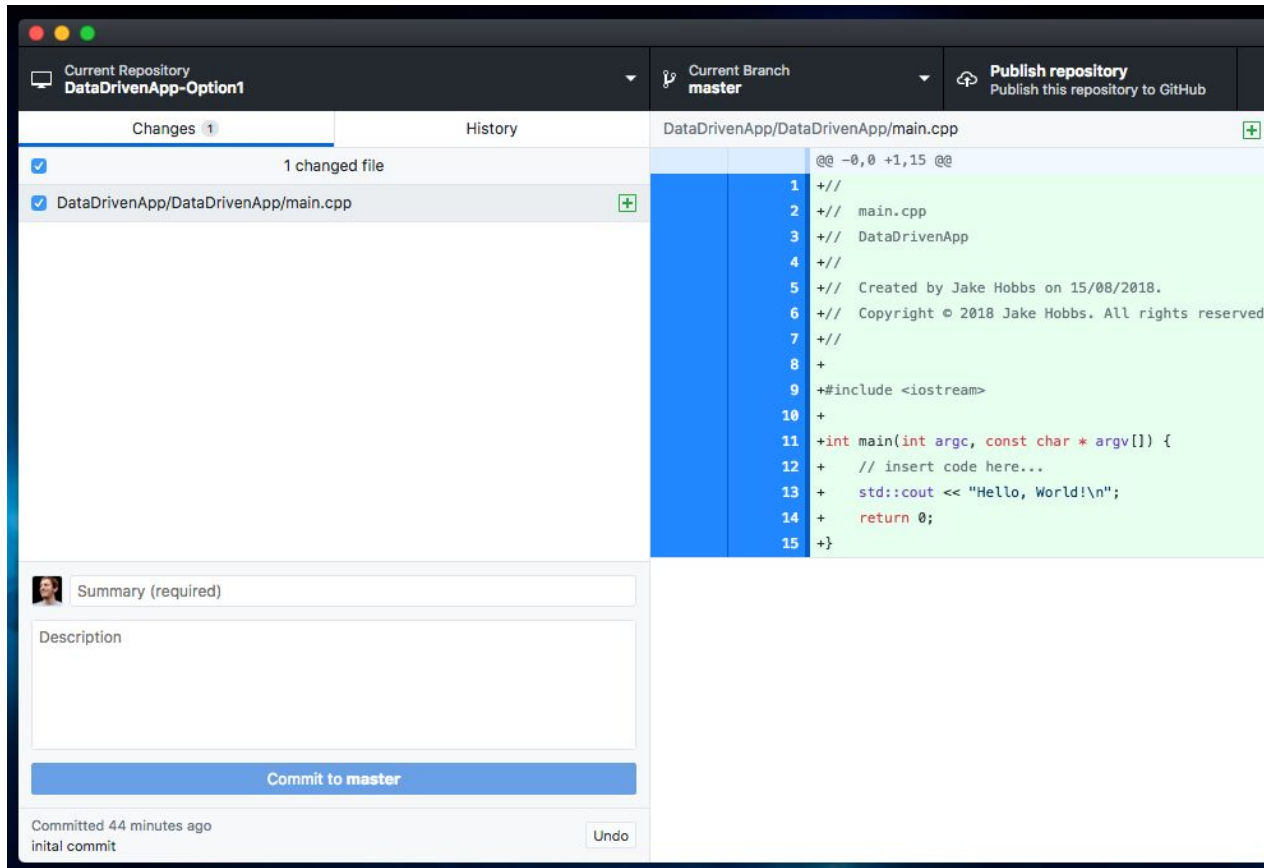


11. Go back to the folder on your computer where you cloned the repository to in step 3. Ensure the sampleTweets.csv file is in the same location as your main.cpp file.





12. Github Desktop will keep track of your changes in your main.cpp file and any other files you add to your project. You should regularly make commits to ensure you can fall back to previous versions if things go wrong. You should also push your commits back up to your Github repository often, this will make sure you have a backup of your work.



13. When you are happy with your final solution make sure you make one final commit and push to your Github repository.