COMP108 Data Structures and Algorithms
Guidance on using Web IDE
& Auto-Checker for Assignment 1
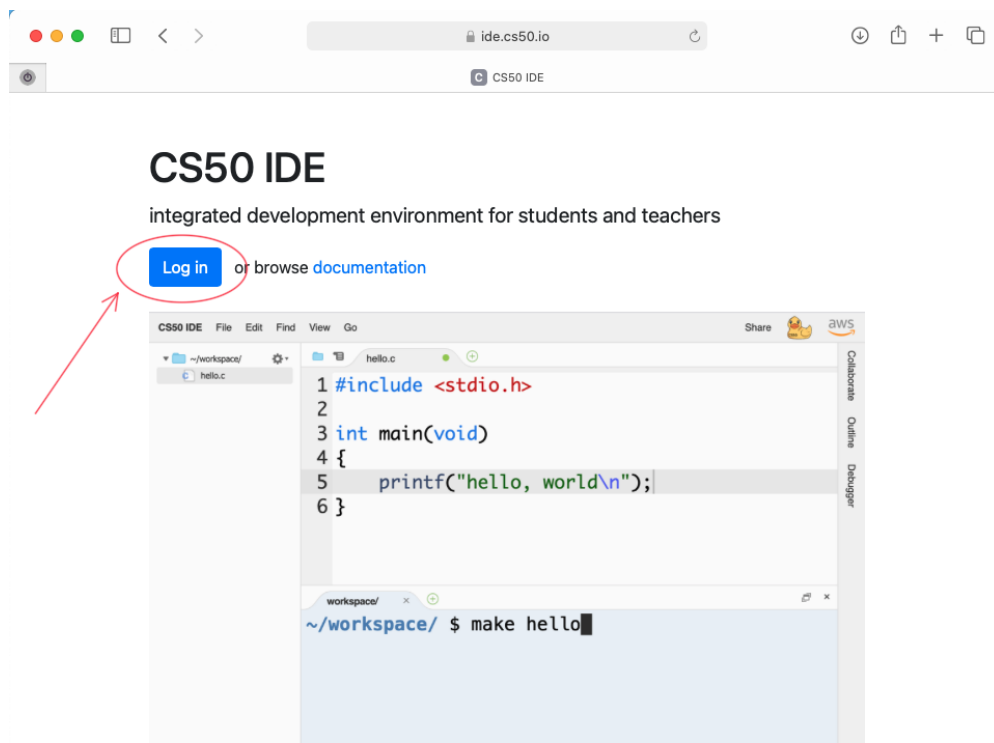Prepared with (a lot of) help of Yales Rios Vasconcelos

Before you submit your assignment, you can use an auto-checker to check that your code satisfies some basic requirements, like whether it compiles, whether the signature of the methods is correct, whether the return object has correct format, etc. This is not compulsory but **recommended** because you can fix some basic issues before submission so that the marking can really focus on the algorithms you are implementing.

Section 1 gives brief explanation how to use the web IDE (https://ide.cs50.io). Section 2 explains how to run the auto-checker. If you already know how to use the web IDE, then you can jump to Section 2 directly.
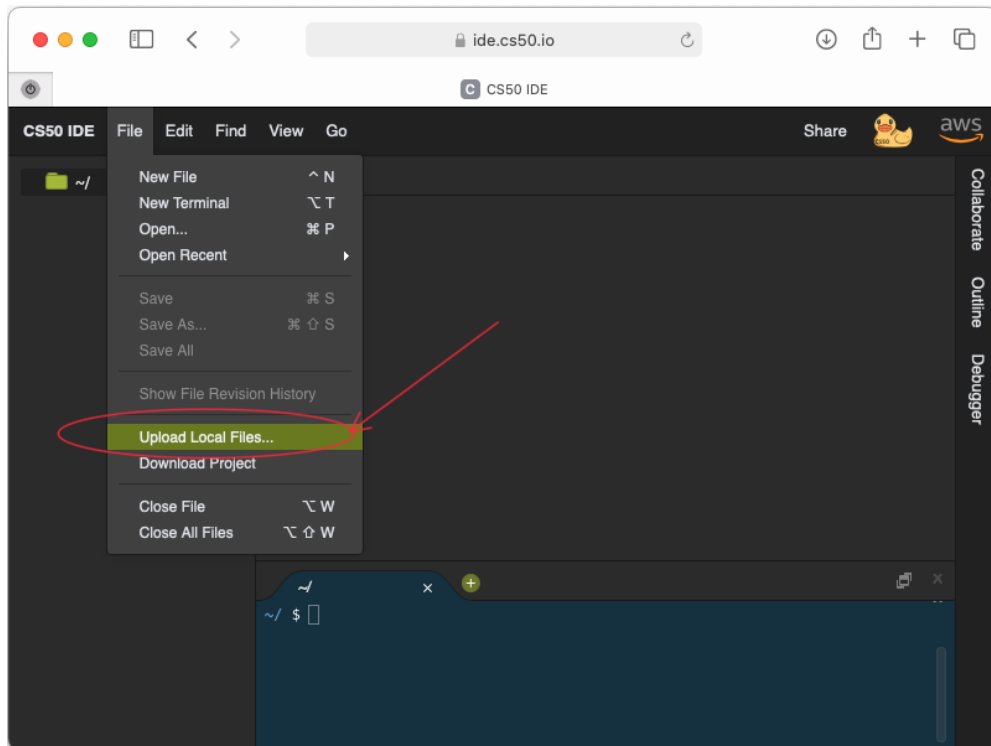
1 Using Web IDE

1. Open https://ide.cs50.io. This is a Web IDE that facilitates integration with the automated checking tool that we will be using. It is the recommended way to check your code in this module.

   If you would prefer a way to check your code on a CLI on your own machine, see check50 documentation but please be aware that no support will be provided for this.
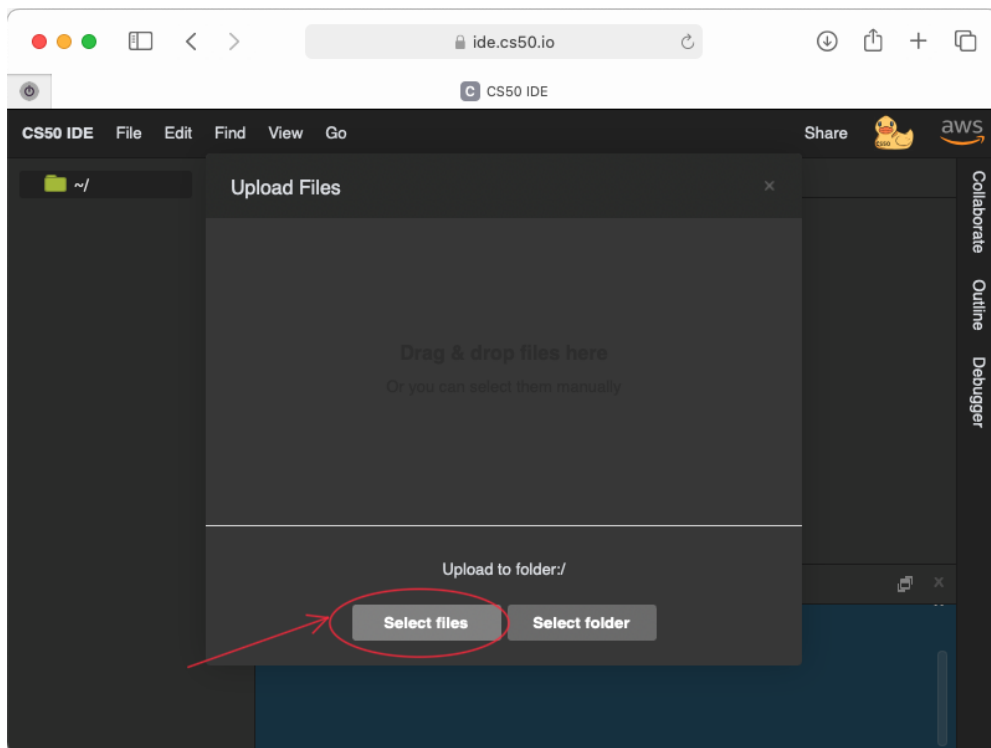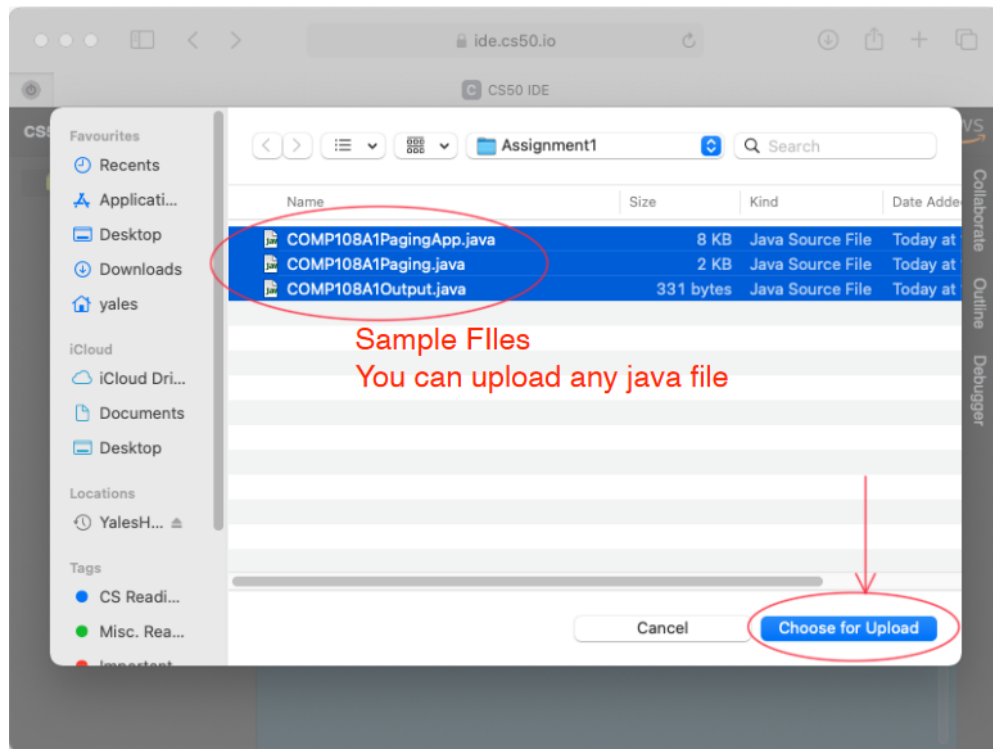

2. Log in.

3. Once you log in, you will see the following window. Click on the file menu, then the "Upload Local Files" option. "
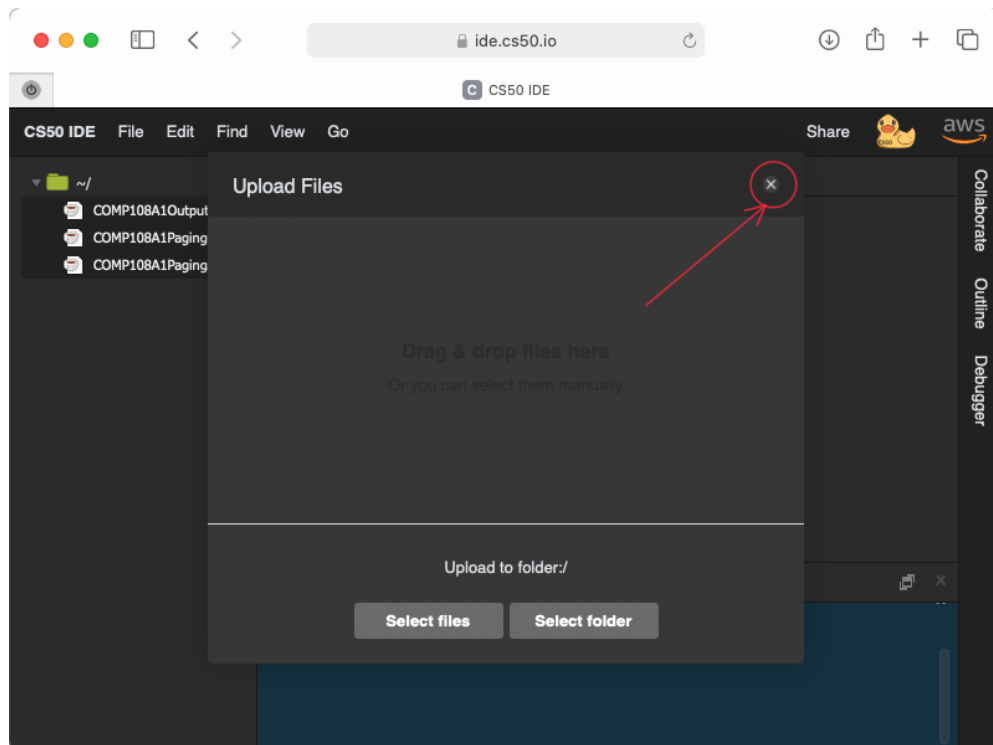

4. Once you do, you will see a window where you can select the files. Click "Select files"

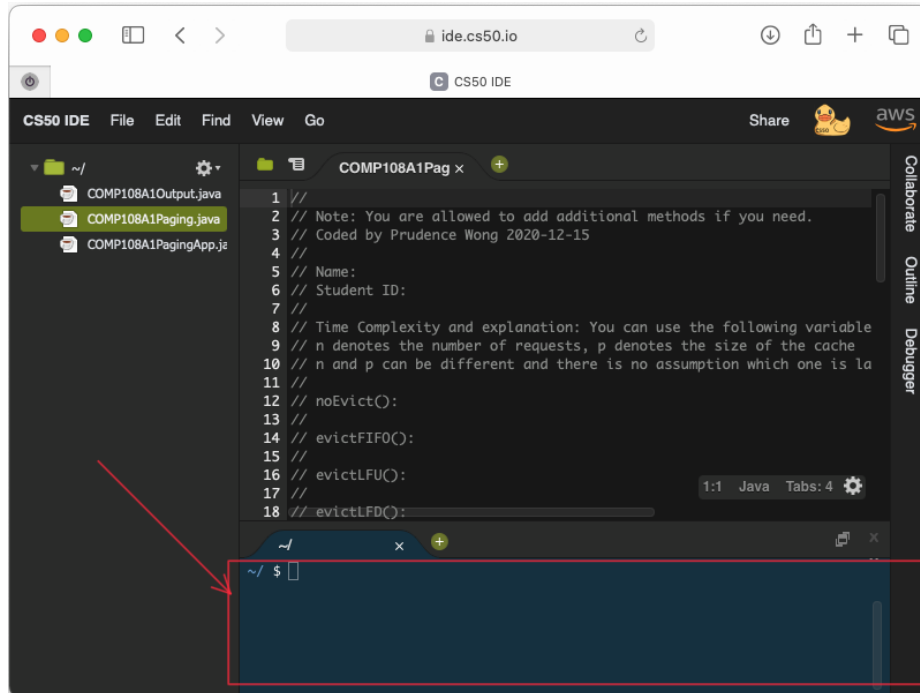5. From there you can select the files you need to upload and upload them using your OS' file selector.

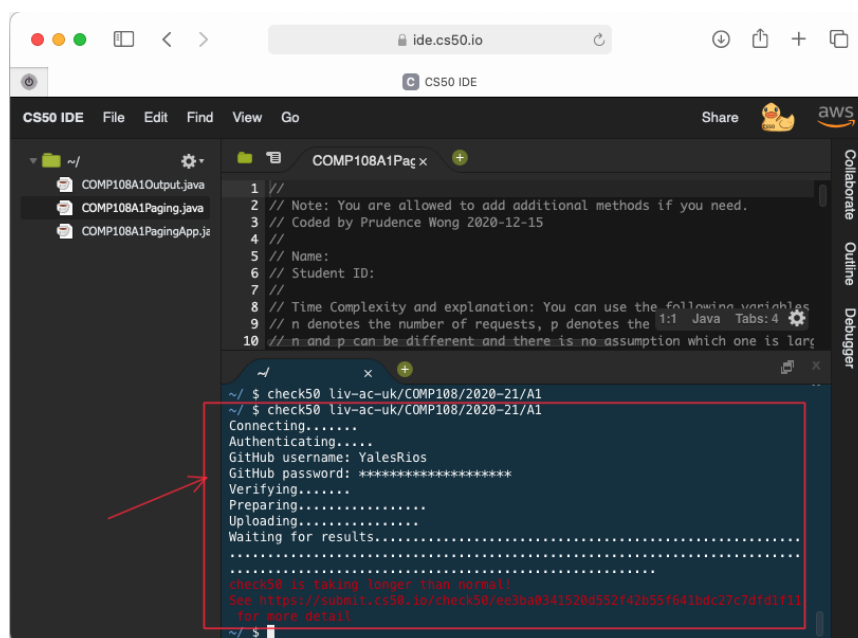6. Once you are done, simply close that window.
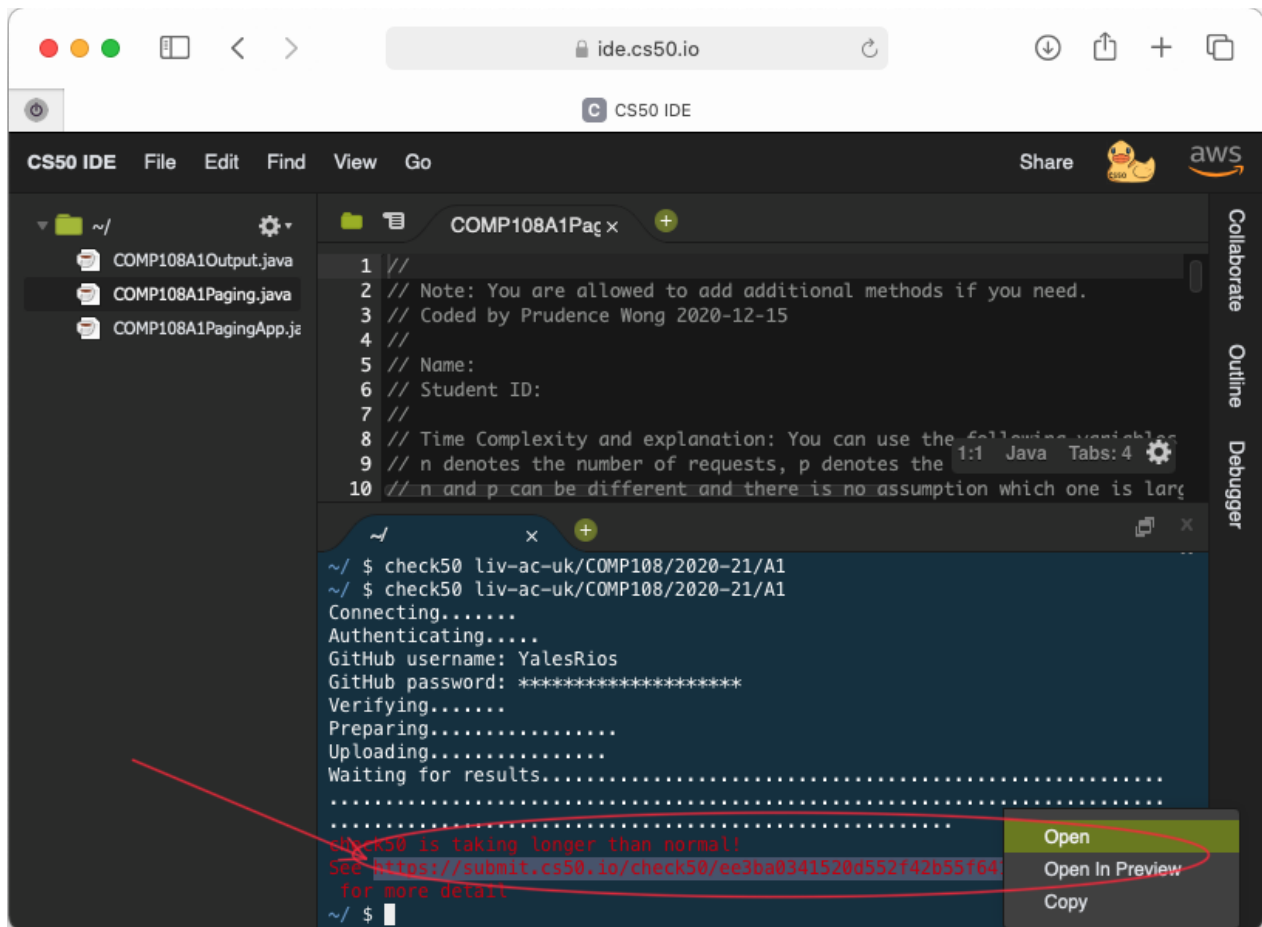
2 Using auto-checker

1. Now for running the auto-checker, you will see a terminal window on the bottom of the screen.

2. Enter the command `check50 liv-ac-uk/COMP108/2020-21/A1`, then enter your GitHub username and then your password when asked. Wait for the checks to run. The tool might complain that "check50 is taking longer than normal!" but that will still allow you to see the results.
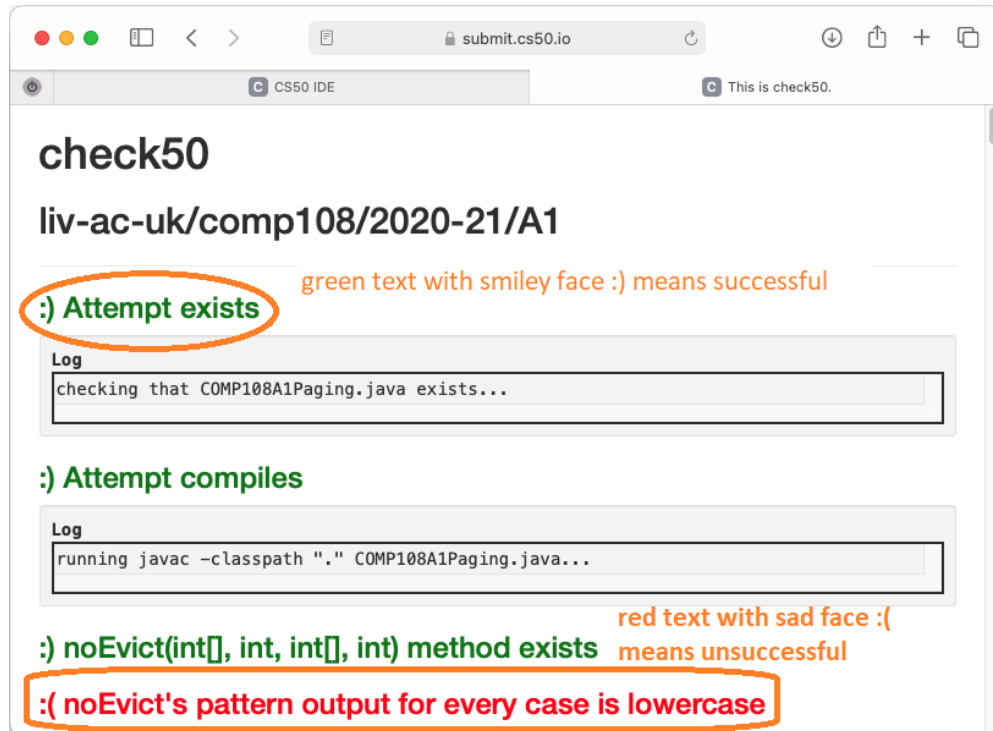
3. To open the results, click the link that shows up in the terminal, then click "Open".

If there is an error saying that you have not activated submit50, follow the given link to login to submit50 and then try check50 again on the IDE.

4. The automated checking results will show on your browser!

The following checks will be carried out

- Does the file COMP108A1Paging.java exist?
- Does COMP108A1Paging.java compile successfully?
- For the method of each eviction algorithm:
  - does the method exist?
  - does the output pattern consist of only lower case letters?
  - are the hitPattern, hitCount, missCount correct for each sample test case?