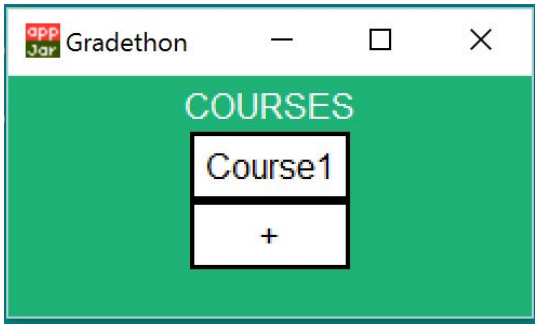
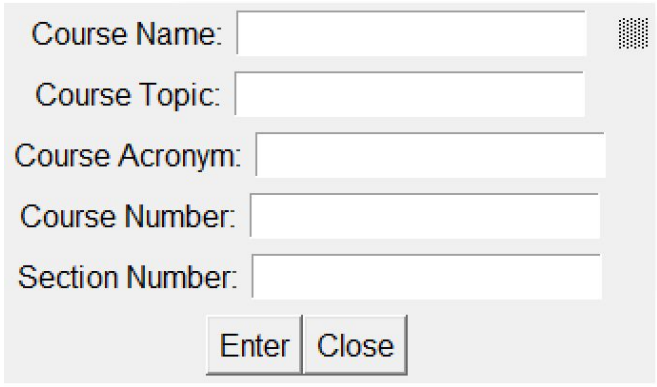
User Guide

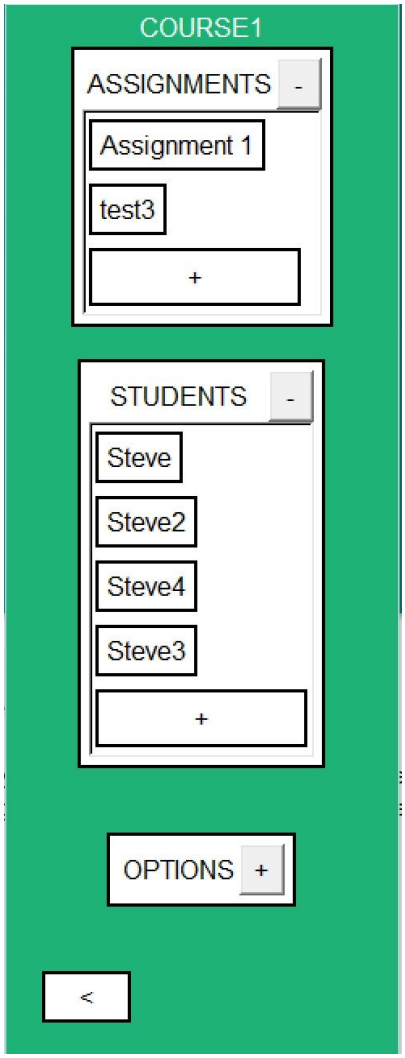
When you first launch the application, you'll be presented with a course selection.



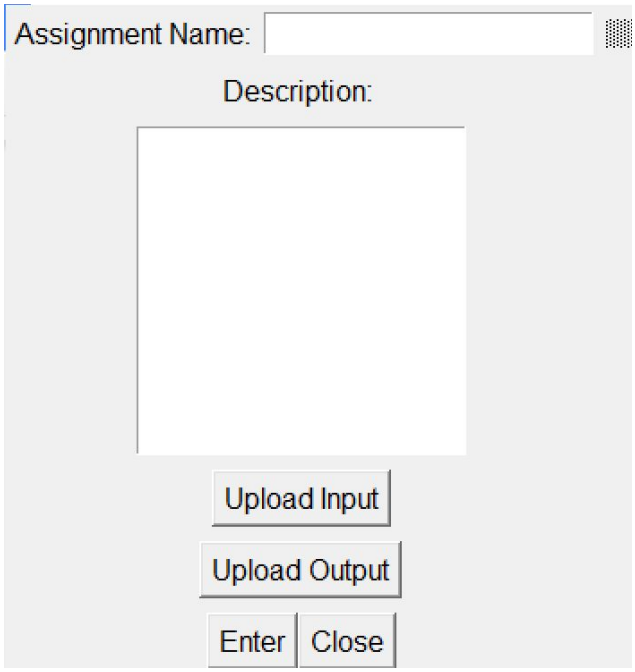
You can select the course you'd like or add a new course by clicking the " + " button. It will lead you to a window to create a new course. Here you can enter the course information. Once you're done, you can click enter. You can move the window around by holding and dragging the grip on the top left-hand side. Also, as a reminder, when a pop-up window is up, you can not interact with the main window until you close the pop-up window.



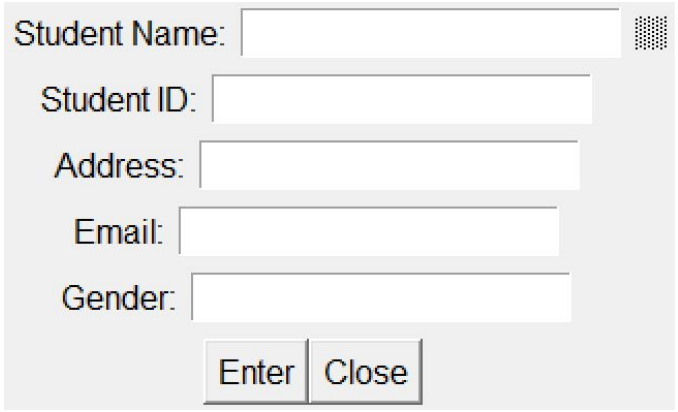
If you select a course, you'll be presented with drop down menus for Assignments, Students, and Options for grading. You can add assignments and students as select them to bring up their own menus. You can also select the back button at the bottom to go back and all frames except the starting frame that lists the courses have this back button.



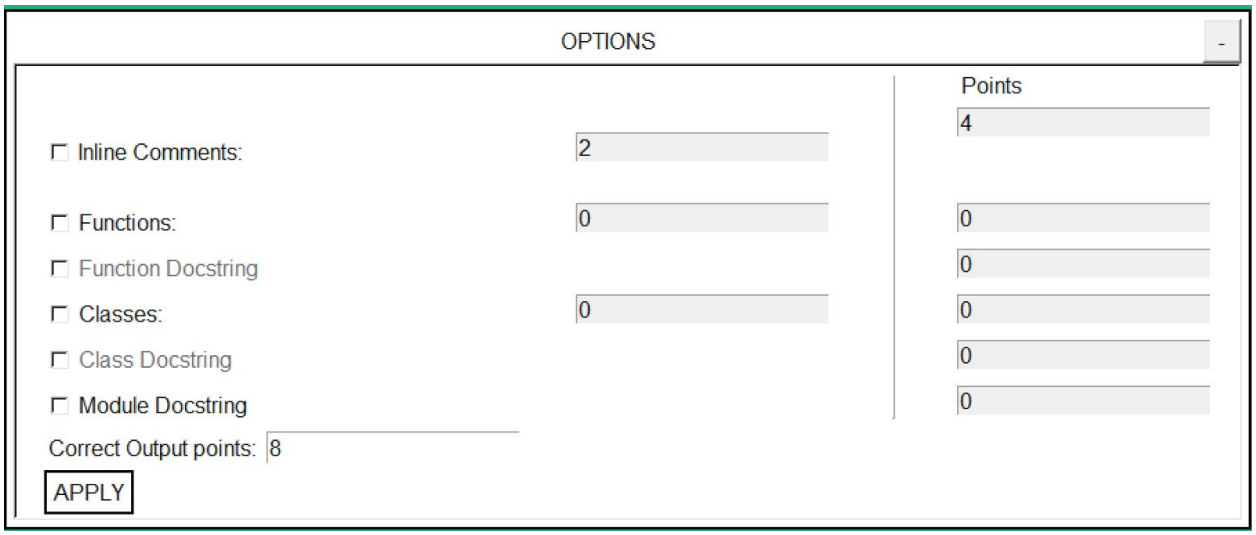
When you add an assignment, this window pops up asking for information. You must enter a name and description. After that you need to upload both an input, as a .in file, and output, as an .out file. Both must be uploaded before continuing. If the program you're grading has no output, a blank .in file is required. To upload the files, simply click on "Upload Input" and "Upload Output" and choose the file you'd like. The input will be input for the programs being graded for that assignment, and the output will be what the graded programs' output must match to earn full points. To create a '.in' or '.out' file, you can write it a text editor and 'save as' with a '.in' or '.out' extension.



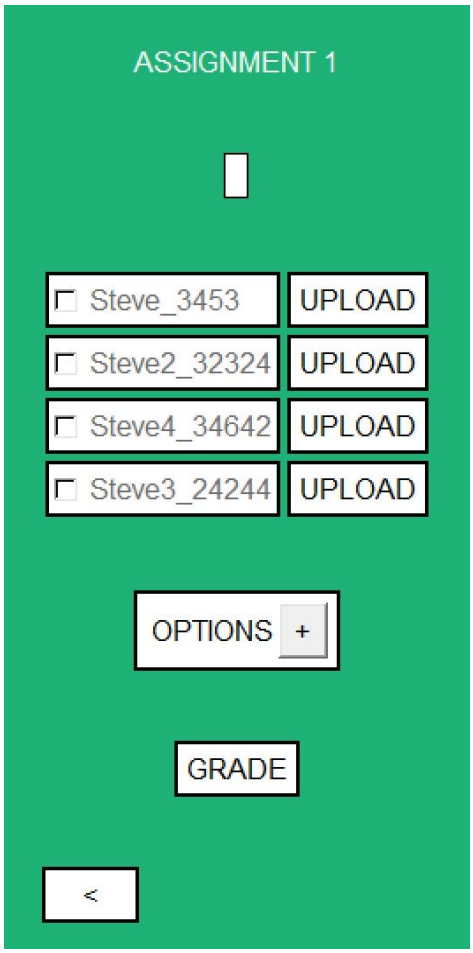
When you click to add a student, another window will pop up asking for student information. Make sure to complete the entries and press Enter once complete. Student IDs should be unique.



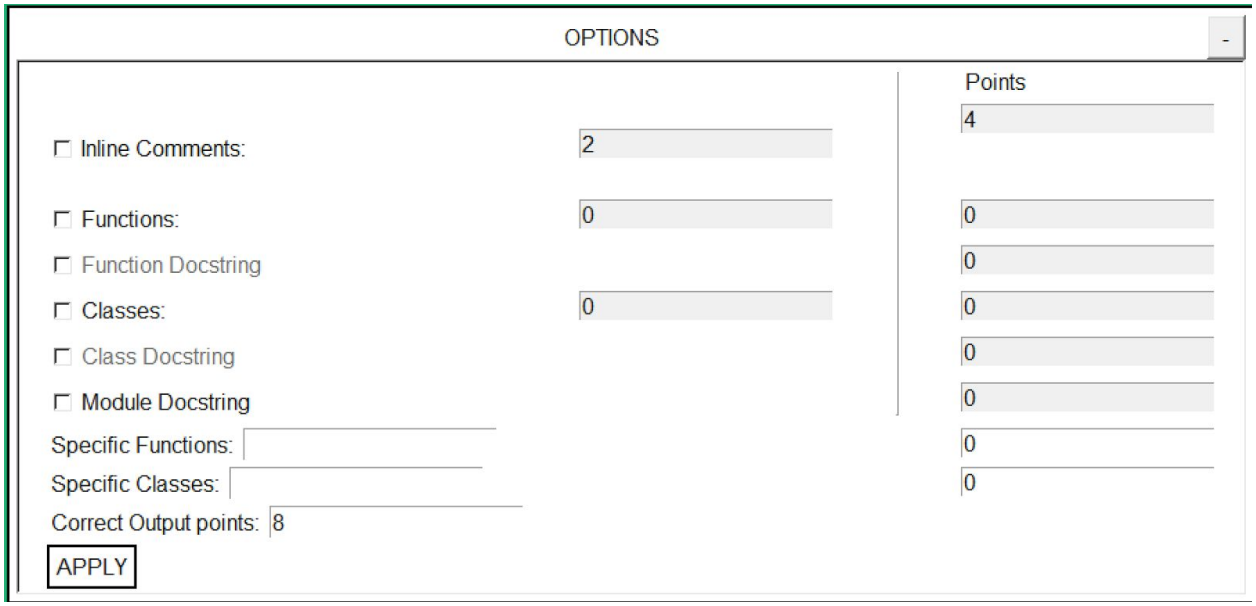
When you drop down the Options menu you can choose on what to grade for and how many points each criteria is worth. Correct output is always graded for, so you can only change the points for that, the default starting at 1. You can only change the points they're worth by selecting the checkbox for the criteria you want to grade for. For instance, both the amount of inline comments (the first entry field marked with 2) and the points for the inline comments (the second entry field marked with 4) cannot be changed unless you select the inline comment checkbox. Similarly, you can't select and grade for function docstrings unless you select to grade for Functions themselves. These grading criteria apply as defaults for all assignments in the course and are applied to the assignments when a new assignment is created, though the criteria for grading can be changed for each assignment individually when selecting an assignment. Make sure to hit apply to save the changes.



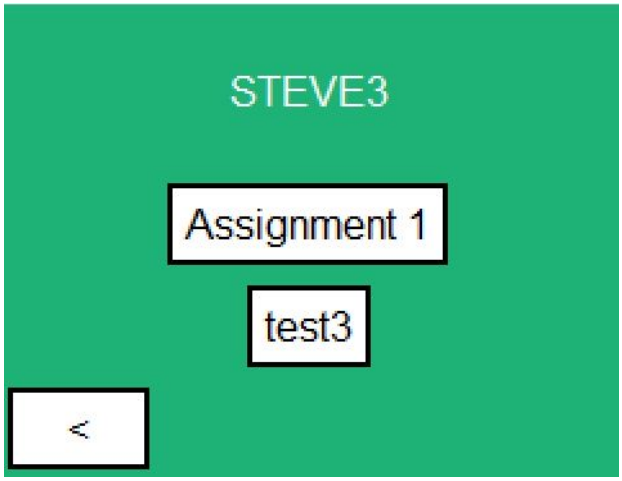
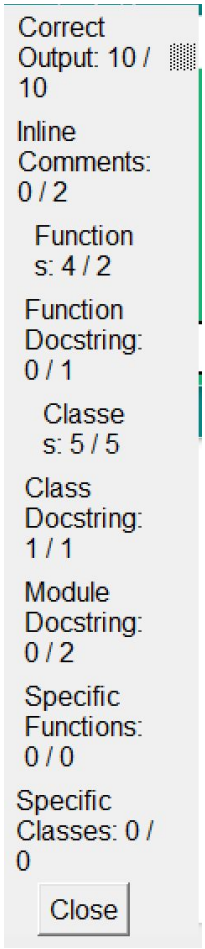
When selecting an assignment, you are taken to that assignment's menu, where you can select students to grade. You can select more than one student to grade at any time. To select a student, you must upload a python file per student by clicking on the upload button. When you upload a file, the student's checkbox will be marked, so you know they'll be graded. The file to be graded must be named main.py. It doesn't need the student's name and ID in the file name as it uses a file directory for storage with each student having their own file. When you finish, click Grade.



If you drop down the options menu in the assignment frame, you can change the criteria for grading for that individual assignment, separate from the course options, though the defaults are based on the course options. The assignment options also offer Specific Functions and Specific Classes. In those entries, you can type the names of functions and classes you want to check for in the program being graded, and the points each function/class is worth. You must separate the function/class names by spaces.



When you select a student, you're taken a student frame, where you can select assignments they have completed.



When you click on an assignment, it'll show you the scores they got on each criteria for that assignment.