In your Final project, you are going to develop a tool, called timetable. Details regarding the requirements are as follows:

1. Your program will have a graphical user interface (GUI) which will look like as shown in figure 1. You may use any coloring-scheme you like. The below one is for illustration purposes only. Details about how it should work are provided below.

Figure 1

- Your software will accept the semester program for any semester (fall, spring) in University in the form of a csv file as input. The user will give path of the csv file as an input to the Entry box and it will read content of the csv file in that path.
- Next, the user will select year (1, 2 and etc.) or codes (CS, EE, UNI and etc.) orboth.
- Finally, the user will click on the button, 'Display', which will display the all courses in semester program with their corresponding time and code information as shown in figure 2 (Your program should display courses only according chosen year or code or both. As an example, if you choose code as a CS, it should display only CS courses). (Your program should display a warning if you don't choose any file in warning text box).

2. After displaying a semester program, the user should be able to select a desired course by clicking on the name of the course. Here, you can use listbox to shows the courses.
3. Furthermore, you program should allow at most 6 courses to select.

4. Also, if you choose two courses in same time (As an example, if you choose courses in figure 3 and if you want to add course in figure 3, it should give warning), your program should warn the user like in figure 3 and not add the last item to the timetable

5. Your timetable should not refresh when you change year or code while searching courses. As an example, you take 3 courses from CS department and if you want to take some common courses, when you go search common courses, your program should keep 3 CS courses not remove from the timetable. You should put a clear button in order to create new timetable. Finally, when you create your timetable, click on save button and get all courses from your timetable and write them to the "timetable.csv" file.

6. Write your code in a single Python file

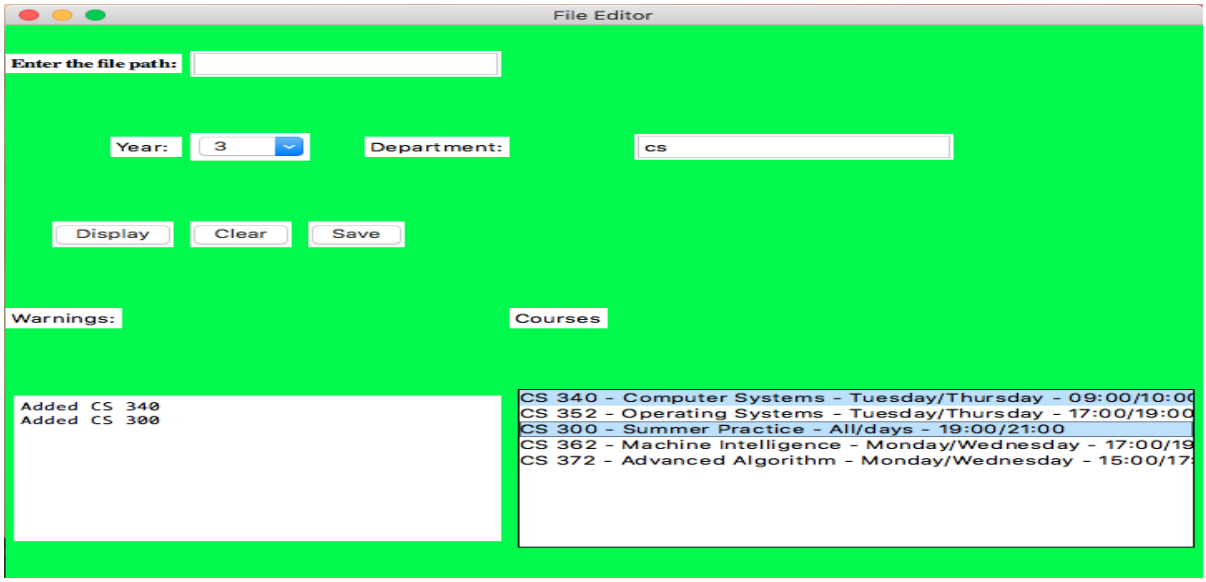

Figure 2

Figure 3

Can you provide any further pointers that may be helpful?

- You may use csv module to read csv files or you can use open() command in python.
- See the following link on how to create a simple message dialog box: http://www.tutorialspoint.com/python/tk_messagebox.htm
- For year selection, you may use the ComboBox widget of Tkinter. The following example code piece may help: http://stackoverflow.com/questions/17757451/simple-ttk-combobox-demo