Timed Lab 3 – Grading TA Finder

This is a timed lab; this Timed Lab is worth 25 **Exam** points.

For this Timed Lab, you may use:
- Course notes
- Homeworks
- Recitation assignments
- Other course material
- Any material you may find on the Internet that doesn't involve communicating "live" with other people

However, you **may not**:
- Communicate with other people/students in real-time via any means. This means no Facebook, email, Piazza, IM, IRC, cell phones, Google Talk, smoke signals, writing messages in the database, etc.
- Share code with other students
- Look at other student's work

The TAs will be available to answer clarifying questions about the problem, but they are not permitted to give assistant with debugging code, program logic, etc. You will have an entire recitation period to work on this assignment; this time begins *exactly* when your recitation begins and ends *exactly* when your recitation ends. No extra time will be given if you arrive late, except in highly extenuating circumstances that must be approved by Dr. Summet.

T-Square will not permit any late submissions; ensure that you submit your code to T-Square several times to prevent earning a zero due to you being unable to submit. Your TAs will give a verbal warning at 10 and 5 minutes before the end of a recitation period; you should submit at these times. In addition, before leaving your recitation section, be sure to have received the confirmation email of your T-Square submission!

In your collaboration statement, if you use code from somewhere that is **not** a class resources (i.e., not listed on the course calendar), please list where this code came from. Ensure that you fill out the header at the top of the tile.

Note that you must check out with your TA before you leave the recitation. If you do not check out with your TA or you modify your submission after you leave the recitation room, **you will receive a zero on the timed lab.** No submission will be accepted after T-Square closes the assignment (i.e., it won't let you submit).

Problem Description:

Your TAs have been getting a lot of questions about who students' grading TAs are. To solve this problem, you're going to build a GUI that will have inputs for a student's last name and their section. You will then use this information and a simplified 'TA Helpdesk' website to display who the grading TA is, as well as some helpful information about the TA. The website you have been given to obtain this information from is :

- http://www.cc.gatech.edu/classes/AY2014/cs2316_spring/codesamples/TL3_TA_Sample_Data.html

**Please note that the grading assignments listed at the URL's above are NOT an accurate representation of actual TA grading assignments. Be sure to use the data from THE URL's PROVIDED, and not the actual 2316 class website.

The GUI will look like this:
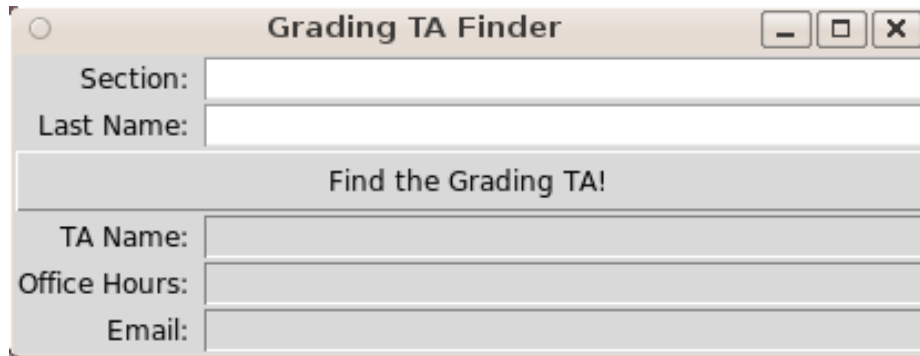
Some helpful information in building your GUI:
- All labels are mounted to the East and all entry boxes are of width 40
- The 'Section' and 'Last Name' entry boxes are in the normal state. This is where the user will input the information needed to identify the correct grading TA
- The 'TA Name', 'Office Hours', and 'Email' entry boxes are readonly. Nothing will appear until the 'Find the Grading TA!' button is clicked
- The button will call a function called findTA

findTA:

This function will first download the webpage provided. Using that information you will identify the proper grading TA given the user input in the GUI. In addition to the name of the TA, you should obtain and display the office hours and email of the TA.

Grading:

You will earn points for each piece of functionality that works correctly according to the specifications.

The GUI: **10**
    GUI displays when program is run   2
    GUI is built as described in the problem   4
    GUI updates when button is clicked   4

findTA: **15**
    Attempts to download webpage   1
    Correctly downloads webpage   3
    Attempts to identify the grading TA   2
    Correctly identifies the grading TA   5
    Correctly displays all information about the correct TA   4