CS-352 Final Project Proposal

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Project Description:

Recently I have been taking a python course on LinkedIn trying to learn some of the basics of python. I knew I wanted to work with python for this project as it is one of the most highly demanded languages and we have yet to cover it in any of my UP courses. To brainstorm some ideas, I put up a poll on my Instagram asking my followers "What are some apps you wish you had or a task your computer did for you?". I got a lot of good responses from which I was able to piece together a suitable project for myself. One of my friends recommended that he wished there was an app where you could scan in a course syllabus and return a calendar that had the important syllabus dates on it. I thought this was a great challenge to take on as while learning python on LinkedIn, one of the videos taught me how to work with the calendar module in python. Therefore, I will attempt to write a project which takes in a syllabus (a simple modified one) as a .txt input file and returns a GUI which contains an interactive calendar that has all of the user's important syllabus dates on the calendar.

As a general outline, I will read in the syllabus file using python File I/O and store them into appropriate variables. Then I will generate the Tkinter Calendar GUI and link the dates on the calendar with the appropriate dates from the syllabus. Then the user will be able to click on any date and click a button to return whatever event is associated with that date.

Programming Language and Features:

I will be writing the entirety of the program using the python programming language. The program will exhibit python features such as the Calendar module, File I/O, and Tkinter, which is one of python's graphical tool modules. Tkinter and the Calendar modules will be used together to create the returned GUI for the user. The GUI will implement key functions from both of the modules to allow to user to have an interactive experience with their calendar. Python File I/O will be used while reading in the input file which will act as the syllabus.

Presentation Day Preference:

I have no preference for which day I present my project. I find all days equally acceptable.