My initial submission for my final project was:

My project will be a 2 window Compound Interest GUI Calculator using Tkinter with customizable landing page.

As we have moved through this course, I have had several more ideas. 1 of my ideas was creating a GUI to calculate MPG while adding the ability to add more functionality to add location to be stored in a dictionary, to pull a query on later.

My wife made a request that I write a program so that she can sort her pictures from her phone onto her computer by date. I started researching and found a solution called:

SortPhotos is a Python script that organizes photos into folders by date and/or time (year, year/month, year/month/day, or other custom formats). If you're like me then your growing collection of files are contained in a bunch of folders, some with a date like "Sep 2010", and others with names like "Camping Trip" SortPhotos takes this collection of folders and files and reorganizes them into a hierarchy of folders by almost any custom date/time format (by default it is by year then month). It will work with any file but works best with image and video files that contain EXIF or other metadata formats because that stays with the file even if the files are modified. The script is also useful for transferring files from your camera into your collection of nicely organized photos.

I will upload code to my GitHub rep and send you a .zip for 2 separate working Python GUI’s, 1 for the compound interest calculator, the other for an MPG calculator. My original thought was modifying code from both sources to meet the criteria for the final project.

But after doing research for the M06 Discussion - Developing a Graphical User Interface, I learned about several Python frameworks for GUI. Kivy and PyQT was my favorite. I have decided to play with PyQT and see what I can come up with for the final project. If I can’t make PyQT work for my needs for something more robust, I will be using the original plan splicing code to meet the requirements. I will settle on a final idea for what solution I will provide, after I research more tools.

The link to my GitHub is:

<https://github.com/Topher1967/SDEV_140_Turner_Chris_Final_Project>