MrHatman26’s URL Saver

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# Introduction

The aim of this program is to create a simple GUI using Python Tkinter that allows the user to quickly save all current web browser URLs across all windows and tabs to a text file. The text file can then also be loaded so that all of the saved URLs can be reopened automatically.

(It should also allow the user to change the working directory to find other files containing URLs)

# Design

## GUI Design

This is the design of the main window. It is made up of two sections with the top being for saving the current URLs and the bottom being for loading and opening already saved URLs.

Here are the key points:

1. This text box should automatically show all open URLs and allow the user to scroll through them if there are too many.
2. This is the save button and should save all of the URLs shown in the first text box to a file called “SavedURLs.txt”.
3. Two check boxes that change the process of saving the URLs. The first check box should make it so that Python automatically closes all web browser windows and tabs. The second should make it so that new URLs are added to the text file rather than overwriting the file.
4. This text box should automatically show any and all URLs in the “SaveURLs.txt” file within the current working directory.
5. The open button. This button loads all of the URLs and opens them in new tabs automatically. If no browser is currently open, the first URL will be open in a new browser window.
6. Two check boxes that change the process of loading and opening the URLs. The first should automatically delete all text from the “SavedURLs.txt” text file after all of them have been opened. The second should make it so that all URLs are open in their own browser windows rather than new tabs.
7. The exit button. This should simply close the GUI and the program safely.

## Flow Chart

1. This section is for starting the GUI and making sure that the text boxes show the correct URLs.
2. This section checks if any of the buttons have been pressed.
3. This section saves the currently open URLs to “SavedURLs.txt” and closes the windows if the check box is ticked and/or appends the URLs if the second check box is ticked.
4. This section loads and opens the saved URLs from “SavedURLs.txt” and opens them all in new tabs unless the open in new windows checkbox has been ticked. It also deletes all of the text in the file if the second check box is ticked.
5. If the user has clicked the exit button then the GUI is destroyed and the program ends. If they haven’t pressed it then it means no buttons have been pressed and so the next loop of the program is started.

## Graphical user interface, text, application Description automatically generatedGUI Redesign

Unfortunately, while trying to program this, I was unable to find a way to copy URLs from a user’s web browser and so I decided to redesign my program to simply load URLs instead as most web browsers have easy ways to dump open URLs to a text file.

If I find a way at some point to do the saving part, I will go back to the old design. The new design is not that different anyway.

Along with this redesign, I’ve also decided to rename the GitHub page to reflect that it no longer saves URLs.

# Development