Project 2: Web Based Interface for Tut07 using Streamlit Library

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Python 3.8.10 Install Instruction https://pastebin.com/nvibxmjw

Deadline: 30th Nov, 2022. 23:59. All of your git repos shall be pulled after that. That will be the version which will be checked.

Warning: Sharing is Caring is good for cat videos. Sharing of program may lead to plagiarism and would effect in 0 to both.

Pull This Git Repo - https://github.com/Cs3842022/CS384_2022 and copy the proj2 to your repo folder.

Git Requirements: At least 5 git commits should be there with meaningful comments (at least 4 words)

The entire code must be into multiple try, except block: Multiple Try Except should be the part of the code, so that if there is an error in a new file, the program throws the exception and does not stop. Also the number of rows should be read such that files bigger/smaller than this should be able to run by your code.

This project is basically the GUI version of tut07 using Streamlit package library. So, for the front end, you need to develop using Streamlit and the user will have an option to provide input on the frontend. The front end should ask user for the input excel file (assume that its in a proper format), and then ask for mod value. Then a button "Compute" should be there. Upon clicking the compute button, the input excel file is converted into the output as obtained in tut07 with the append of:
input_file_name_mod(user_input)_yyyy-mm-dd-hh-mm-ss.xlsx

There should be an option for bulk conversion too. Wherein the path to the folder is specified. All the xlsx files in that dir is then computed and renamed as above.

Usage of Streamlit https://streamlit.io/ Library is mandatory.

Any additional feature that you can think of. If the feature seems worthy it shall have bonus marking.

It needs to be implemented in a group of two students as mentioned.

You can use online resources. But you should be able to explain your code when you will show the project demo.