HOWTO to run USISphere GUI

1. PRECHECK:

This is a **Python** script. Hence, you will need Python (v3.10 or +) installed on your PC. Run the following command in CMD or shell to verify its installation:

```
python --version
```

On a success, the current Python 3 version will be returned.

- ***Help***:
  - I am getting the "`Python was not found`" error.

2. INSTALLING NECESSARY PYTHON PACKAGES

To automate the browsing and facilitate GUI components, you will need some Python packages to be installed on your machine. This is a ***one-time installation*** and will only be required for first-time use. **Please keep your internet connection on during the installation.**

Windows OS: Run the included **"`install_dependencies.bat`"** batch file.

- **Linux/Mac OS**: directly run the following commands sequentially in your shell to install the required packages

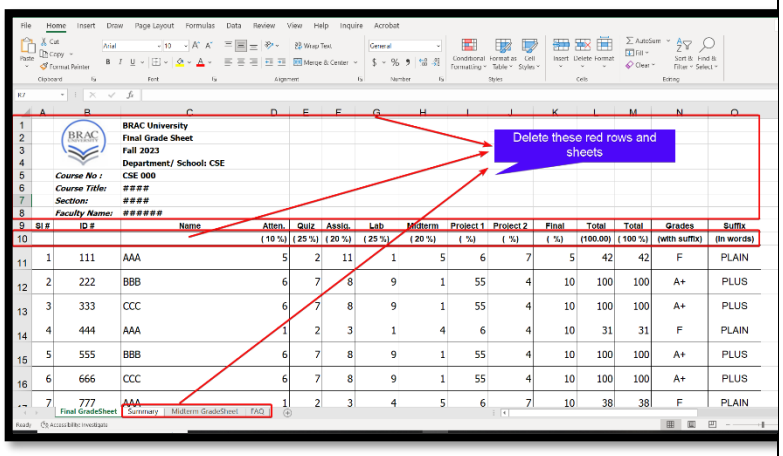
```
• curl https://bootstrap.pypa.io/get-pip.py -o get-pip.py
• python3 get-pip.py
• pip3 install pandas selenium webdriver_manager tk openpyxl
```

3. PROCESSING THE EXCEL FILE

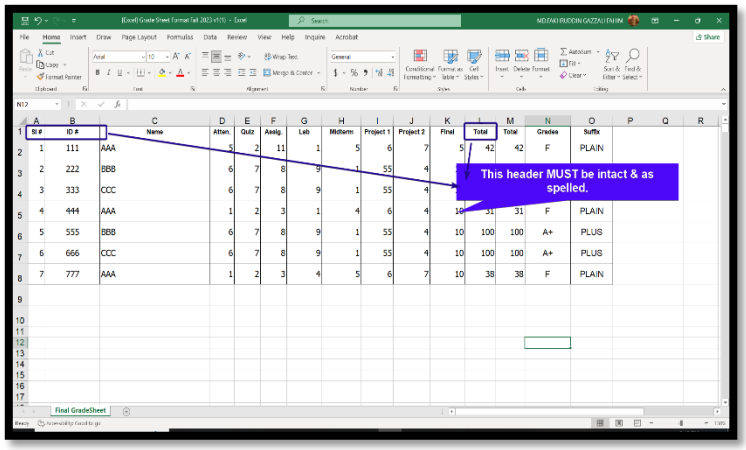
The script needs the final grade sheet to be saved in MS Excel (.xlsx) format and some bit of modification in the headers of this Excel file. Please follow the listed steps to proceed:

a) Create a copy of the completed grade sheet.
- **Do not keep any blank rows** in your copied grade sheet Excel file. If present, please remove them before proceeding.

b) In the copy, remove the shown rows and sheets (left) so that it looks like on right.



BEFORE



AFTER

Table 1: Excel Gradesheeet Preprocessing for USISphereGUI

Notes:

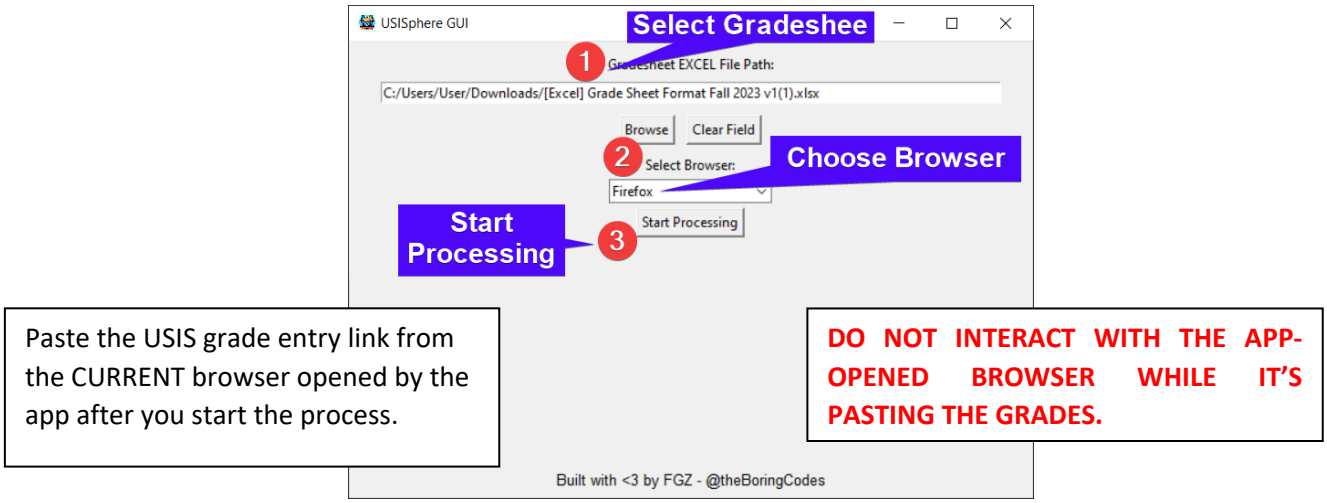
- The (**`ID #`**) and (**`Total`**) column names must be intact and mustn't be altered.
- Remove any blank rows before saving this grade sheet.

c) Save the copied file and run the app.

4. RUNNING THE APP

Open the **`USISphereGUI.py`** app (*or run the script if opened in IDE*). Follow the steps in the picture.

Or follow this video tutorial for quick guide.



MISC:

Help 1: I am getting the "Python was not found" error.

This may happen for either of these two reasons:

i. Python isn't installed in your system. In that case, download it from the official site. During installation, **YOU MUST TICK THIS OPTION.**

Figure 1: Windows: Adding Python path to System Environment

ii. Python was installed, but the path was not added to the system environment. See this video tutorial for a quick guide.