# Excel File Processing Application

This application allows you to upload an Excel file, process it by filtering and grouping the data, and then download the resulting files as a zip archive.

**Prerequisites**

Ensure you have the following software installed:

* Python 3.x
* Visual Studio Code (VS Code)
* pip (Python package installer)

**Installation and Setup**

1. **Unzip the provided file:**
   * Unzip the file you received into a directory of your choice.
2. **Open the project in Visual Studio Code:**
   * Open Visual Studio Code.
   * Select **File** > **Open Folder...** and navigate to the directory where you unzipped the file, then click **Select Folder**.
3. **Open the terminal in Visual Studio Code:**
   * Go to **View** > **Terminal** to open a new terminal window.
4. **Install the required packages:**
   * Ensure you are in the project's root directory (where **app.py** is located).
   * Run the following command to install the necessary packages

Run this command :  
  
pip install Flask pandas xlsxwriter

## Running the Application

1. **Start the Flask application:**

In the terminal, run:  
  
python app.py  
  
**2. Open a web browser and navigate to:**

<http://127.0.0.1:5000/>

* 1. **Upload an Excel file:**
  + Click the "Choose File" button to select your Excel file (.xlsx).
  + Click the "Upload and Process" button to upload and process the file.
  1. **Download the processed files:**
  2. After processing, a download link will be provided for a zip archive containing the filtered and grouped Excel files.

**File Structure**

* **app.py**: Main application file containing the Flask server and logic for processing the Excel files.
* **templates/index.html**: HTML template for the file upload interface.

**Notes**

* Ensure your Excel file has the necessary columns ("SeqStatusLabel" and "WCdesc") for the filtering and grouping to work correctly.
* The application filters rows based on the "SeqStatusLabel" column to include only "In-Process" and "Not Started" statuses.
* The filtered data is then grouped by the "WCdesc" column, and separate Excel files are created for each unique value in this column.

**Troubleshooting**

* If you encounter any issues, ensure all dependencies are correctly installed.
* Verify that the uploaded Excel file is in the correct format and contains the expected columns.
* Check the terminal for any error messages that might indicate what went wrong.