**Automation Script – File Organizer**

Develop a Python script that automatically organizes files in a target directory based on file types (e.g. Documents, Images, Videos, Others).

USER GUIDE

1. Setting Up the Environment:

* **Python Installation:** Ensure Python is installed on the system.
* **Required Modules:** The core modules for file organization are os (for interacting with the operating system, like listing directories and creating folders) and shutil (for high-level file operations like moving files). These are typically built-in and do not require separate installation.

2. Defining File Organization Logic:

* **Source Directory:**

Specify the path to the folder containing the files to be organized (e.g., your "Downloads" or "Desktop" folder).

* **Destination Categories/Folders:**

Define a mapping of file extensions to target folders (e.g., .jpg, .png, .gif to an "Images" folder; .pdf, .docx, .txt to a "Documents" folder).

* **Handling Uncategorized Files:**

Decide how to handle files that do not match any defined category (e.g., move them to an "Others" folder).

3. Running the Script:

* **Script Execution:** Run the Python script from a terminal or command prompt.

Code

python your\_organizer\_script.py

* **User Input (if applicable):**

If the script is designed with a Graphical User Interface (GUI) or takes command-line arguments, provide the necessary input, such as the source directory.

* **Monitoring Progress:**

Some scripts may provide feedback messages or logs to indicate the organization progress.

4. Post-Execution Verification:

* **Check Destination Folders:**

Verify that files have been moved correctly into their respective category folders.

* **Review Uncategorized Files:**

Examine the "Others" or similar folder to ensure no important files were missed or incorrectly categorized.

