Automatic File Sorter

This Python script organizes files within a specified directory by sorting them into folders based on file type. It automatically detects CSV files, text files, and image files (PNG) and moves them into dedicated folders for efficient organization.

Project Overview:

Organizing files manually can be time-consuming, especially when working with many different file types. This **Automatic File Sorter** script provides a quick, reusable solution for sorting files by their extensions, keeping your folders organized and easier to navigate. This script can be easily expanded to handle additional file types by adding new extensions and folders.

Features:

- **Automatic Folder Creation**: Creates designated folders for each file type (CSV files, Text files, Image files) if they do not already exist.

- **File Sorting**: Automatically moves .csv, .txt, and .png files to their respective folders based on file type.

- **Duplicate Check**: Ensures no duplicate files by checking if the file already exists in the destination folder.

- **Expandable**: Easily customizable to include additional file types by adding more folder definitions and file extension checks.

How It Works:

1. **Folder Creation**: The script defines a folder for each file type (CSV files, Text files, and Image files) and creates them if they don't already exist in the specified directory.

2. **File Detection and Sorting**: It then lists all files in the directory, checks their extensions (.csv, .txt, .png), and moves each file to its designated folder.

3. **Path Verification**: Before moving, the script verifies that the file doesn't already exist in the target folder, avoiding any duplicate files.

Example Extensions:

To support additional file types, simply add new folder names and file extensions in the script as follows:

Example:

folder_names = ['CSV files', 'Text files', 'Image files', 'PDF files']

Add file extension check in the file-moving section of the code