# File Organizer Project Report

Project Title: File Organizer using Python

Objective:

Automatically organize files in a folder into categories such as Images, Documents, Audio, Videos, etc.

Technologies Used:

- Python

- Modules: os, shutil, logging

Features:

- Organizes files by extension

- Creates folders for each file type

- Skips the log file to avoid file access errors

- Logs all operations and errors in a log file (organizer_log.txt)

Supported File Types:

- Images: .jpg, .jpeg, .png, .gif, .bmp

- Documents: .pdf, .docx, .txt, .xlsx, .pptx

- Audio: .mp3, .wav, .m4a

- Videos: .mp4, .mkv, .flv, .avi

- Archives: .zip, .rar, .tar, .gz

- Scripts: .py, .js, .java, .cpp

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Sample Test Files:

- test_report.xlsx (Excel file for 'Documents' category)

Error Handling:

- Try-except blocks to prevent crashes

- All issues are recorded in organizer_log.txt

Conclusion:

This project automates file organization, saving time and reducing clutter in directories.