# 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

* 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.