

# FileOrganizer

By: Andy Diaz

Organize messy files into extension-based folders at the click of a button

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FileOrganizer.py > ...
12 "Audio": [".mp3", ".wav", ".aac", ".flac"],
13 "Archives": [".zip", ".rar", ".7z", ".tar", ".gz"],
14 "Data": [".csv", ".json", ".xml"],
15 "Photoshop": [".psd"],
16 "Other": []
17
18 }
19
20 #Organization Function
21 def organize_files(directory):
22     if not os.path.isdir(directory):
23         print(f"Error (directory) is not a valid directory.")
24         return
25
26     moved_count = 0
27
28     #Create Folders for Category
29     for category in file_categories:
30         folder_path = os.path.join(directory, category)
31         os.makedirs(folder_path, exist_ok=True)
32
33
34     #Move Files into Corresponding Folders
35     for filename in os.listdir(directory):
36         file_path = os.path.join(directory, filename)
37
38         #Skip if its a directory
39         if os.path.isdir(file_path):
40             continue
41
42         #Check File Extension and Move
43         file_moved = False
44         for category, extensions in file_categories.items():
45             if any(filename.lower().endswith(ext) for ext in extensions):
46                 shutil.move(file_path, os.path.join(directory, category, filename))
47                 moved_count += 1
48                 file_moved = True
49                 break
50
51     #Move Remaining Files to "Other"
52     if not file_moved:
53         shutil.move(file_path, os.path.join(directory, "Other", filename))
54         moved_count += 1
55
```

