Project Files

```
C:\Users\Admin\PycharmProjects\desktop\pythonP
    .idea
    .venv
    <> css.html
    hangman.py
    <> internal.html
    main.py
    organize_files.py
    <> sample.html
    stock_portfolio.py
    Scratches
```

```python
import os
import shutil
1 usage
def organize_files(directory):
    file_types = {
        'Images': ['.jpg', '.jpeg', '.png', '.gif', '.bmp', '.tiff'],
        'Documents': ['.pdf', '.docx', '.doc', '.txt', '.xls', '.xlsx', '.ppt', '.pptx'],
        'Videos': ['.mp4', '.mkv', '.avi', '.mov', '.wmv'],
        'Audio': ['.mp3', '.wav', '.aac', '.flac'],
        'Archives': ['.zip', '.rar', '.7z', '.tar', '.gz'],
        'Others': []
    }

    if not os.path.exists(directory):
        print(f"Directory '{directory}' does not exist!")
        return
    for category in file_types.keys():
        category_dir = os.path.join(directory, category)
        if not os.path.exists(category_dir):
            os.makedirs(category_dir)

    for file in os.listdir(directory):
        file_path = os.path.join(directory, file)
        if os.path.isfile(file_path):
            file_ext = os.path.splitext(file)[1].lower()
            moved = False
```

```python
    def organize_files(directory):
        category_dir = os.path.join(directory, category)
        if not os.path.exists(category_dir):
            os.makedirs(category_dir)

    for file in os.listdir(directory):
        file_path = os.path.join(directory, file)
        if os.path.isfile(file_path):
            file_ext = os.path.splitext(file)[1].lower()
            moved = False
            for category, extensions in file_types.items():
                if file_ext in extensions:
                    shutil.move(file_path, os.path.join(directory, category, file))
                    moved = True
                    break
            if not moved:
                shutil.move(file_path, os.path.join(directory, 'Others', file))

    print(f"Files in '{directory}' have been organized!")

folder_path = input("Enter the path of the folder to organize: ")
organize_files(folder_path)
```

main.py  stock_portfolio.py  organize_files.py  hangman.py  sample.html

```
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```python
1   import os
2   import shutil
    1 usage
3   def organize_files(directory):
4       file_types = {
5           'Images': ['.jpg', '.jpeg', '.png', '.gif', '.bmp', '.tiff'],
6           'Documents': ['.pdf', '.docx', '.doc', '.txt', '.xls', '.xlsx', '.ppt', '.pptx'],
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9           'Archives': ['.zip', '.rar', '.7z', '.tar', '.gz'],
10          'Others': []
11      }
12
13      if not os.path.exists(directory):
14          print(f"Directory '{directory}' does not exist!")
```

```
Microsoft Windows [Version 10.0.19045.5131]
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(.venv) C:\Users\Admin\PycharmProjects\desktop\pythonProject2>python organize_files.py
Enter the path of the folder to organize: D:\pictures\my aesthetic gallery
Files in 'D:\pictures\my aesthetic gallery' have been organized!

(.venv) C:\Users\Admin\PycharmProjects\desktop\pythonProject2>
```