

```
import os

import shutil

# Set the source and destination folders

source_folder = "D:/source_folder"

destination_folder = "C:/destination_folder"


# Create a dictionary of file formats and their corresponding destination folders

file_formats = {

    ".txt": "text_files",

    ".jpg": "image_files",

    ".pdf": "pdf_files"

}


# Loop through the files in the source folder

for filename in os.listdir(source_folder):

    # Get the file extension

    file_extension = os.path.splitext(filename)[1]

    # Check if the file format is in the dictionary

    if file_extension in file_formats:

        # Get the destination folder for the file format

        destination_subfolder = file_formats[file_extension]

        # Create the destination folder if it doesn't exist

        destination_path = os.path.join(destination_folder, destination_subfolder)

        if not os.path.exists(destination_path):

            os.makedirs(destination_path)

        # Copy the file to the destination folder

        source_path = os.path.join(source_folder, filename)

        destination_path = os.path.join(destination_path, filename)

        shutil.copyfile(source_path, destination_path)
```

