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**1.PROJECT NAME:** **AUTO RENAME**

**2.Introduction**:

Auto Rename is a tool that automatically changes the names of files or folders based on set rules. It helps save time when renaming many files and keeps file names clean and organized. This feature is useful for managing photos, documents, or downloads with proper names quickly and easily.

**3.Functionalities Explanation:**

1. **Batch Renaming**  
   Allows multiple files or folders to be renamed at once, saving time and effort.
2. **Add Prefix or Suffix**  
   Adds custom text before (prefix) or after (suffix) the file names.

3.**Replace Text**  
Finds and replaces specific words or characters in file names.

4.**Remove Characters**  
Removes unwanted characters or spaces from file names.

5. **Add Date/Time**  
Automatically adds the current date or time to the file names.

6.**Rename by File Type or Extension**  
Targets specific file types (e.g., only .jpg or .pdf) for renaming.

7.**Numbering Files**  
Adds sequential numbers to file names (e.g., File1, File2, File3...).

8. **Preview Before Renaming**  
Shows a preview of the new names before applying the changes.

9. **Undo Option**  
Lets the user undo renaming if something goes wrong.

10.**Custom Naming Patterns**  
Supports patterns like Document\_001, Image\_2025-08-05, etc.

**4.Hardware requirements(Minimum):**

1. **Processor:**  
   Dual-Core Processor (e.g., Intel Core i3 or equivalent)
2. **RAM:**  
   2 GB or more
3. **Hard Disk Space:**  
   At least 200 MB of free space
4. **Display:**  
   1024x768 resolution or higher
   1. **Input Devices:**  
      Keyboard and Mouse
   2. **Operating System Compatibility:**  
      Windows 7/8/10/11, Linux, or macOS.

**5.Software Requirements:**

Software used: VS Code, SQlite(Database),python.

**6.conclusion:**

The **Auto Rename** application is a simple yet powerful tool that helps users rename multiple files or folders quickly and efficiently. It saves time, reduces manual effort, and ensures consistent naming conventions. With features like batch renaming, adding prefixes/suffixes, and custom patterns, the tool is especially useful for managing large sets of files. Overall, this project demonstrates how automation can simplify daily file management tasks.