Projects

Personal VBA/Macro Coding Project (Fall 2024)

Efficient Sorting, Filtering, and Organiation of Climbing Data using VBA Code
In this project, I utilized popular sorting algorithms, such as MergeSort, in Excel VBA to efficiently sort and filter climbing data. I created advanced sorting and filtering mechanisms that go beyond Excel's built-in tables and filters, enabling more effective data presentation. Additionally, I implemented cleaning functions and applied various strategies to showcase my VBA skills.

Below is a list of the files involved in the project:

- **Outdoor Boulder Sends Presentable File.xlsm** - Main spreadsheet for organizing and presenting climbing data, showcasing advanced sorting and filtering methods.

- **Sorting Project; Pivot Chart and Table Code.bas** - Contains VBA code for generating pivot charts and tables to visually represent the sorted climbing data.

- **Sorting Project; Formatting Code.bas** - Provides the code for advanced data formatting, enhancing the presentation of climbing data beyond Excel's standard table formatting.

- **Sorting Project; Main Code.bas** - The core VBA code that implements sorting algorithms like MergeSort, responsible for efficiently sorting and filtering climbing data.

- **modified_mergesort.py** - Python script for implementing a modified version of MergeSort, which is used for sorting climbing data more effectively.

- **mergesort.py** - Python script for implementing the basic MergeSort algorithm, providing an alternative sorting method for climbing data.

New York Times Coding Project(Spring 2023)

- **Open file in NY Times.py** - A Python script that parses the New York Times homepage and selects a random article. The article is updated daily, ensuring a fresh selection each day.

- **NY_Times_HTML Code.txt** - Contains the HTML structure and any necessary code snippets used by the Python script to extract data from the New York Times homepage.

File Organizer Coding Project(Fall 2023)

- **extension_deleter.py** - Python script designed to clean up directories by removing unnecessary files with specified extensions.

- **deleter_directories.py** - Script for removing empty or duplicate directories from your computer's file system.

- **deleter_adv_documents.py** - A Python script that scans for and deletes redundant documents, helping to declutter your directories by removing duplicate files.