SEARCH ENGINE

1.0 USE CASES

1. Search for a file in the system

2. View File Locations Searched

2.0 LEVELS TO CRACK

Level 1

· Identify the Drives Active and Inactive

· Display the Drives found

· Display a message asking for file name to search

Level 2

o Search for File Name in each drive

o Display the path if file name is found in console

o Linear Search – Sequential in one drive after another

Level 3

o Refine your search to enable parallel processing

o Each drive to be searched multi-threaded.

o Implement Exceptions - Generic and Custom

o Display the path if file name is found in console

Level 4

o Store the Search Results in a file : Search History

o Every Search initiated would now first check in history

o If found, user is presented the file locations from the history

o A new search is initiated if user is not satisfied with results from history

Level 5

o Write Unit Tests to ensure code quality

o Break down into Unit Testable methods

Level 6

o Create your WPF Application

o Design your screen like explorer to capture File to Search and Show Drives

o Display the results obtained from backend for the search done

3.0 MENTOR CONNECT

1. Periodic Mentor Reviews will be done

2. Progress to be updated by participants

**ALL THE VERY BEST!!!**