File ASSAY

Group: 1.1

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Respected Sir/Ma`am

Apropos to the above subject and as per the guidelines for the minor project submission and in accordance with the submission schedule, we are sending you the abstract report of our project on "FILE ASSAY".

ABSTRACT:

File indexing is a popular Operating System based and independent program that is used to search a file on a hard drive. The file could be anything from text based document to multimedia based file, the size of the file could be variable.

Our project deals with the creation of an interactive file indexing software that has access to all the parts of the hard drive and make use of command prompt to perform following tasks-

1).The program starts searching for the file the moment the user enters the very first letter of the filename.

2).the program creates a database that stores the recent searches of any file by the user.

Language Used:- C programming language along with the use of MySQL for database related purposes.

Even though various developers have included internet search for the file along with hard drive search, our program will only be searching local hard drive for the file.

Algorithms and ideas:-

Various algorithms such as greedy algorithm, knapsack, backtracking algorithm will be used for the creation of desired software. These algorithms will make easy for the user to search a particular file from the group of files having same names. When a user searches for a file, the program will search the hard drive for every file of that name and the search list will first be saved to a temporary window. After that sorting will be done on that list based on the priority. for example .exe files will be shown at the top(If we decide to gave it a high prior).

And according to this priority based techniques, and the use of proper Indexing and data structure, We will try to build a program which work efficiently.

NOTE :-
This is a tentative proposal and may change under the guidance of the mentors.