**Product Name: File Handling Business application**

**Developer: Apoorva Rao**

**Product’s capabilities**

Develop and application to list all files in a given application,

Add a new file to application,

Delete a file from the application

Search for a given file in an application

Navigation option to close the current context and return to main context

Option to close the application.

**Appearance and user Interactions.**

* Code to display the welcome screen. It should display:
  + Application name and the developer details
  + The details of the user interface such as options displaying the user interaction information
  + Features to accept the user input to select one of the options listed
* The first option should return the current file names in ascending order. The root directory can be either empty or contain few files or folders in it
* The second option should return the details of the user interface such as options displaying the following:
  + Add a file to the existing directory list
    - You can ignore the case sensitivity of the file names
  + Delete a user specified file from the existing directory list
    - You can add the case sensitivity on the file name in order to ensure that the right file is deleted from the directory list
    - Return a message if FNF (File not found)
  + Search a user specified file from the main directory
    - You can add the case sensitivity on the file name to retrieve the correct file
    - Display the result upon successful operation
    - Display the result upon unsuccessful operation
  + Option to navigate back to the main context
* There should be a third option to close the application
* Implement the appropriate concepts such as exceptions, collections, and sorting techniques for source code optimization and increased performance

**Sprint plan:**

**Sprint 1**

**Duration 7 days**

**Scope: Develop flow chart, Set up git hub and design classes**

**Sprint 2**

**Duration 7 days**

**Scope: Develop code, test, push to GIT hub, output snapshots.**

**Features used**

1. **GIT**
2. **Class design**
3. **Java features and Data structures used- enumeration, Arrays, input/output streams, Exception handling, Search and Sorting.**

**Flow chart**

Display welcome screen and Application details

Exit and End application

If option = business opeartion

Input Submenu user option

If Option = exit program

If option = Return to main menu

Input file name and search in application folder. Display found or not found.

If option = Search file

Input file name and Delete It. Display success or failure

If option = delete file

Input file with path and copy it to user application folder path.

If option = add file

Display Submenu with – Add file, Delete file, Search, Return to Main menu options

Read list of files in the input application folder path , Sort them and display to user.

If option = list files

Input user option

Show main menu with- list files, Business operations, exit

Input application folder path