**Virtual Key for Your Repositories**

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# Application Objectives

This application created user to create, add, search, and delete file from folder. When the application run, It shows user Welcome message and Primary menu. Primary menu asks user to enter option 1 to search file, 2 to go to secondary menu for file operation, or 3 to exit from the application. If user enter option 2, Secondary Menu displayed. Secondary menu asks user to enter option 1 to add file, 2 to delete file, 3 to search file, 4 to go back to Primary menu.

## Application GitHub Link

* Application created using IntelliJ IDE
* Application pushed to my GitHub account NatnaelBahta. The link attached here.

[**https://github.com/NatnaelBahta/virtual-key-fro-your-repositories.git**](https://github.com/NatnaelBahta/virtual-key-fro-your-repositories.git)

### Sprint Planning of Application

This application intended to be completed in two sprint.

**Sprint 1**

* Create specification document
* Setup Git and GitHub account to save and track my application
* Create Flow Chart and analysis of technical requirements of the application
* Create new project on Eclipse IDE
* Create Java FileManager class which have all file operation methods
* Test java FileManager class’s methods with sample input

**Sprint 2**

* Create Java MenuManager Class which Display menu option along with welcome message
* Create Java AppStarter class which start application by calling MenuManager class method
* Test application functionality with different input and improve performance
* Refactor, comment, and fix source code for a good readability and understanding
* Add application source code and all necessary folders into GitHub repository
* Push applicating all documents and make it available the link for submission

#### Core Concept of Application

This application core concept is to teach us how create an application from scratch based on

customer requirements and deliver it successfully. In the process of application creation, many Java

concepts are covered, such as file handling, sorting and searching, exception, loop, switch statement

recursion, method call, documentation, and how to organize source code and deliver it using GitHub

repository.

##### Algorithm of Application

Searching and sorting algorithms are used in this application

###### FlowChart of Application

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Conclusion

**Enhancing application**

* Application could be improved if we implement timer to stop application from running when user does not enter input or left the application running.
* Application could be improved if we implement user to enter their choice specific times instead of unlimited times.
* Application could be improved if we implement graphical user interface (GUI) to help user to interact with application.

**Defining Unique Selling Points**

* This application has colored user interface which help user to read the menu clearly and interact with the application easily.