

Virtual Key For Repositories

Project Objective:

As a Full Stack Developer , complete the features of the application by planning the development in terms of sprints and then push the source code to GitHub repository . As this is a prototyped application, the user interaction will be via command line .

Write Up:

This project is implemented in Java Programming Language . As this is prototype application mentioned in the project objective so, file handling is not implemented . But actual file handling can be implemented through this application . In this application phase1-project is the folder which stores src files , default package and user-defined package which is com.project.features . In the default package application.java is main java file which is used to start or run the application . The Operations that needed to perform in this application are :

- 1) Display Files
- 2) Add Files
- 3) Delete a File
- 4) Search a File
- 5) Main Menu

So , to perform these operations I have used HashSet Collection as it represents set of values and provides high performance operations . Also the elements stored in the HashSet are unique . Duplicate elements are not stored in the HashSet . It is also easy search an element where there is contains() method which specifies that an element is present in the HashSet or Not .For Deleting the file from the HashSet first we check that if the specified file is present in the HashSet or Not if it is present then we remove the element using remove() method . I have used Switch statement so that user can specify the operation through the user-input . In the user-defined package there are two java files they are operations file and user-input file . In the operation file the above operations are performed with each operation has dedicated method to it . In the user-input file inputs from the user related code is present . Finally the main application.java file extends these two files and implements the methods that are present in the both files .

