PHASE-1 PROJECT

Virtual Key for Your 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 the GitHub repository. As this is a prototyped application, the user interaction will be via a command line.

Step 1: Create a Java project

Step 2: Select file -> new -> class (Create a class name in camelCasing and click ok)

Step 3: Here, I have created two sprints.

Sprint 1:

- Clarifying the requirements and specification
- Created a class virtualkeyRepo and Implemented some functionalities
- Implemented the functionalities like listing the files in ascending order
- Implemented the functionalities like add, search, delete a file and go back to main menu
- Then finally, implemented the functionality of exiting the program

Sprint 2:

- Created a class Main
- Then implemented the mechanism for printing welcome message which includes the Application name and the developer details.
- Then created an object for the class in sprint1 and called those methods.
- Finally, Documentation part is done.

Step 4: In class VirtualKeyRepo, created a method named ShowFirstMenu and inside the method used switch case to list files, some operations like add, delete, search and to exit the program.

Step 5: In the same class created a separate method named showSecondMenu and used switch case to perform only the operations like add, delete , search and to go back to the first menu.

Step 6: After that, created separate methods to list, add, delete, search and written the desired code for each method.

Step 7: In listFiles method if the length is zero then it will print the folder is empty, If it is not zero then sort the files using predefined sort method and then it will list the files in ascending order.

Step 8: In CreateFiles method, if the filename given by the user is already present then it will print the file is already present or-else, it will create the file and will print the file is created successfully.

Step 9: In deleteFiles method, used .equals method to check whether the files inside the folder and the user entered file is same, then the file entered by the user will be deleted by using .delete method.

Step 10: In searchFiles method, used .contains method to check whether the user entered file is present in the folder or not.

Step 11: In class main, created an object for the class VirtualKeyRepo and then called the method showFirstMenu using the object created.