Virtual Key for Your Repositories

Phase 1 Project – Source Code

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```
package package1;


import java.util.InputMismatchException;
import java.util.Scanner;
import java.util.Set;
import java.util.TreeSet;


public class virtualRepo {


	// set is made static as it occupies less space as one instance is shared among all
objects
	static Set<String> file = new TreeSet<>();


	public static void main(String[] args){


		//System.out.println("This is static");
		file.add("Honda.txt");
		file.add("Toyota.txt");
		file.add("Isuzu.txt");
		file.add("Hyundai.txt");
		file.add("Subaru.txt");
		boolean flag = false;
		boolean flag1 = false;
		int c;
		do {
			//---------------MENU--------------------


	System.out.println("*********************************************************");
			System.out.println("-----------------------------------------------
---------");
```

```
                        System.out.println("                        LockedMe.com
");
                        System.out.println("-----------------------------------------------
---------");

       System.out.println("*********************************************************");
                        System.out.println("-----------------Developed by K V Sagar---------
---------");
                        System.out.println("\n\n");
                        System.out.println("-----------------------------------------------
---------");
                        System.out.println("                         MAIN MENU
");
                        System.out.println("-----------------------------------------------
---------");
                        System.out.println("\n");
                        System.out.println("1. Display the current files names in ascending
order.");
                        System.out.println("2. Add / Delete / Search a file.");
                        System.out.println("3. Exit.");
                        System.out.println("Enter your choice: ");
                        Scanner sc = new Scanner(System.in);
                        try {
                        int choice = sc.nextInt();


                        switch(choice) {


                        case 1:
                               disp();
                               System.out.println("Do you want to try again? \n Enter 1 for
Yes and 0 for No");
                               c=sc.nextInt();
                               if(c==1) {
                                      flag=true;
                                      System.out.println("\n\n");
                                      break;
                               }
                               else {
                                      System.out.println("************************
TERMINATED ************************");
```

```
                                System.out.println("************************* THANK
YOU **********************");
                                flag=false;
                                break;
                            }


                    case 2:
                            do {

                                System.out.println("----------------------------------
------------------------");
                                System.out.println("                          ACTION MENU
");
                                System.out.println("----------------------------------
------------------------");
                                System.out.println("\n");
                                System.out.println("1. Add a new file to the existing
directory.");
                                System.out.println("2. Delete a file from the existing
directory.");
                                System.out.println("3. Search a file in the existing
directory.");
                                System.out.println("4. Go back to the Main Menu.");
                                System.out.println("Enter your choice: ");
                                try {
                                int subChoice = sc.nextInt();
                                switch(subChoice) {


                                case 1:
                                        System.out.println("Enter the file name that
you want to add: ");
                                        String fname = sc.next();
                                        addFile(fname);
                                        //more chances
                                        System.out.println("Do you want to try again?
\n Enter 1 for Yes and 0 for No");
                                        c=sc.nextInt();
                                        if(c==1) {
                                                flag1=true;
```

```
                                        System.out.println("\n\n");
                                        break;
                                }
                                else {
                                        flag1 = false;
                                        System.out.println("Going back to Main
Menu...\n\n");
                                        break;
                                }


                        case 2:
                                System.out.println("Enter the file name that
has to be deleted: ");
                                String fname1 = sc.next();
                                delFile(fname1);
                                //more chances
                                System.out.println("Do you want to try again?
\n Enter 1 for Yes and 0 for No");
                                c=sc.nextInt();
                                if(c==1) {
                                        flag1=true;
                                        System.out.println("\n\n");
                                        break;
                                }
                                else {
                                        flag1 = false;
                                        System.out.println("Going back to Main
Menu...\n\n");
                                        break;
                                }


                        case 3:
                                System.out.println("Enter the file name that
has to be searched: ");
                                String fname2 = sc.next();
                                searchFile(fname2);
```

```
                                        //more chances
                                        System.out.println("Do you want to try again?
\n Enter 1 for Yes and 0 for No");
                                        c=sc.nextInt();
                                        if(c==1) {
                                                flag1=true;
                                                System.out.println("\n\n");
                                                break;
                                        }
                                        else {
                                                flag1 = false;
                                                System.out.println("Going back to Main
Menu...\n\n");
                                                break;
                                        }


                                case 4:
                                        flag1 = false;
                                        System.out.println("Going back to Main
Menu...\n\n");
                                        break;

                                default :
                                        System.out.println("Wrong choice selected!!!");
                                        System.out.println("Do you want to try again?
\nEnter 1 for Yes and 0 for No");
                                        c=sc.nextInt();
                                        if(c==1) {
                                                flag1=true;
                                                System.out.println("\n\n");
                                                break;
                                        }
                                        else {
                                                flag1 = false;
                                                System.out.println("Going back to Main
Menu...\n\n");
                                                break;
```

```
                                        }
                                }
                                }
                                catch(InputMismatchException e) {
                                        System.out.println("Enter only a number!!!");
                                        System.out.println("Going back to Main
Menu...\n\n");
                                        flag1=false;
                                        //break;

                                }
                        }

                        while(flag1==true);
                        flag=true;
                        break;

                case 3:

                        System.out.println("************************ TERMINATED
**********************");
                        System.out.println("************************** THANK YOU
**********************");
                        flag=false;
                        break;

                default :
                        System.out.println("Wrong choice selected!!!");
                        System.out.println("Do you want to try again? \nEnter 1 for
Yes and 0 for No");
                        c=sc.nextInt();
                        if(c==1) {
                                flag=true;
                                System.out.println("\n\n");
                                break;
                        }
                        else {
```

```
                                System.out.println("************************
TERMINATED ************************");
                                System.out.println("************************* THANK
YOU ************************");
                                flag=false;
                                break;
                        }


                }
                }
                catch(InputMismatchException e) {
                        System.out.println("Enter only a number!!!\n");
                        flag=true;
                        System.out.println("\n\n");


                }
        }
        while(flag==true);
    }

    // Displaying in ascending order
    public static void disp() {
        System.out.println("The files in ascending order are as follows: \n"+file);
        System.out.println("\n\n");
    }

    //add file method
    public static void addFile(String fname) {
        if((file.contains(fname)==true)) {
            System.out.println("File already exists!");
            System.out.println("-------------------------------");
        }
        else {
            file.add(fname);
        }
    }
```

```
	//case sensitive file delete method
	public static void delFile(String fname) {
		if((file.contains(fname)==true)) {
			file.remove(fname);
		}
		else {
			System.out.println("File not found!");
		}
	}

	//case sensitive file search method
	public static void searchFile(String fname) {
		if((file.contains(fname)==true)){
			System.out.println("File found!");
		}
		else {
			System.out.println("File not found!");
		}
	}

}
```