package phase1Project;

import java.util.ArrayList;

import java.util.Scanner;

import java.util.\*;

public class code {

public static void main(String[] args) {

// TODO Auto-generated method stub

Boolean flag = true;

ArrayList<String> filelist = new ArrayList<String>();

filelist.add("abc");

filelist.add("def");

filelist.add("ghi");

System.out.println("--------Welcome-------");

System.out.println("Developer Details:\nName: Swaroop S\nEmail: swas@teksystems.com\nContact: 8296342910");

while(flag) {

System.out.println("\n\n----------Menu----------");

System.out.println("1. Sort and list the file\n2. FileOperations\n3. Exit");

System.out.println("Please enter your choice: ");

Scanner s = new Scanner(System.in);

int ch = s.nextInt();

switch(ch) {

case 1:

filelist.sort(Comparator.naturalOrder());

System.out.println(filelist);

break;

case 2:

while(flag) {

System.out.println("----------FileOperations----------");

System.out.println("1. List the files\n2. Add the files\n3. Delete the files\n4. Search the file\n5. Return to the main menu");

int ch1 = s.nextInt();

switch(ch1) {

case 1:

System.out.println(filelist);

break;

case 2:

addfiles(filelist, s);

break;

case 3:

deletefile(filelist, s);

break;

case 4:

searchfile(filelist, s);

break;

case 5:

flag = false;

break;

default:

System.out.println("Enter a valid choice");

break;

}

}

flag = true;

break;

case 3:

System.out.println("Exiting the menu");

System.exit(0);

default:

System.out.println("Enter a correct choice");

break;

}

}

}

private static void searchfile(ArrayList<String> filelist, Scanner s) {

System.out.println("Enter the name of the file to be searched: ");

String filesearch = s.next();

Boolean yesno = filelist.contains(filesearch);

if (yesno == true) {

System.out.println("The file " + filesearch + " is available");

}

else {

System.out.println("The file " + filesearch + " is not available");

}

}

private static void deletefile(ArrayList<String> filelist, Scanner s) {

System.out.println("The available files are: ");

System.out.println(filelist);

System.out.println("Enter the file name to be deleted: ");

String delfile = s.next();

filelist.remove(delfile);

System.out.println("The remaining files are: ");

System.out.println(filelist);

}

private static void addfiles(ArrayList<String> filelist, Scanner s) {

System.out.println("Enter the number of files to be added");

int num = s.nextInt();

for(int i=1;i<=num;i++) {

System.out.println("Enter the file " + i + " to be added");

String addfile = s.next();

filelist.add(addfile);

}

}

}