**package** com.lockedme;

**import** java.util.\*;

**public** **class** HandleAFile {

**public** **static** **void** WelcomeScreenInput() {

**boolean** b1 = **true**;

Scanner sc = **new** Scanner(System.***in***);

**do** {

**try** {

MenuOptions.*displayMenu*();

**int** ch = sc.nextInt();

**switch** (ch) {

**case** 1:

FileOperations.*displayAllFiles*("TestMain");

**break**;

**case** 2:

HandleAFile.*handleFileMenuOptions*();

**break**;

**case** 3:

System.***out***.println("Program existed successfully");

b1 = **false**;

sc.close();

System.*exit*(0);

**break**;

**default**:

System.***out***.println("Please select a valid option from above");

}

} **catch** (Exception e) {

System.***out***.println(e.getClass().getName());

*WelcomeScreenInput*();

}

} **while** (b1 == **true**);

}

**private** **static** **void** handleFileMenuOptions() {

**boolean** b2 = **true**;

Scanner sc = **new** Scanner(System.***in***);

**do** {

**try** {

MenuOptions.*displayFileMenuOptions*();

FileOperations.*createMainFolderIfNotPresent*("TestMain");

**int** ch1 = sc.nextInt();

**switch** (ch1) {

**case** 1:

// Add a File

System.***out***.println("Enter the name of the file to be added to the \"TestMain\" folder");

String AddFile = sc.next();

CreateAFile.*createFile*(AddFile, sc);

**break**;

**case** 2:

// File/Folder delete

System.***out***.println("Enter the name of the file to be deleted from \"TestMain\" folder");

String DeleteFile = sc.next();

FileOperations.*createMainFolderIfNotPresent*("TestMain");

List<String> filesToDelete = CreateAFile.*displayFileLocations*(DeleteFile, "TestMain");

String deletePrompt = "Select index of which file to delete"

+ "\n Enter 0 if you want to delete all elements";

System.***out***.println(deletePrompt);

**int** i = sc.nextInt();

**if** (i != 0) {

DeleteAFile.*deleteFiles*(filesToDelete.get(i - 1));

} **else** {

// If i == 0, delete all files displayed for the name

**for** (String path : filesToDelete) {

DeleteAFile.*deleteFiles*(path);

}

}

**break**;

**case** 3:

// File/Folder Search

System.***out***.println("Enter the name of the file to be searched from \"TestMain\" folder");

String fileName = sc.next();

FileOperations.*createMainFolderIfNotPresent*("TestMain");

CreateAFile.*displayFileLocations*(fileName, "TestMain");

**break**;

**case** 4:

// Go to Previous menu

**return**;

**case** 5:

// Exit

System.***out***.println("Program existed successfully");

b2 = **false**;

sc.close();

System.*exit*(0);

**default**:

System.***out***.println("Please select a valid option from above");

}

} **catch** (Exception e) {

System.***out***.println(e.getClass().getName());

*handleFileMenuOptions*();

}

} **while** (b2 == **true**);

}

}