FileManagementApp.java

**package** locked.me.com.app;

**import** java.io.File;

**import** java.util.Arrays;

**import** java.util.Scanner;

**import** locked.me.com.submenu.\*;

**import** locked.me.com.mainmenu.\*;

**public** **class** FileManagementApp {

**public** **static** **void** main(String[] args) {

File file = **new** File("D:\\LockedMe.com App Files");

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

**int** choice;

**do** {

MainMenu.*MainMenu*();

**try** {

choice = scanner.nextInt();

} **catch** (Exception e) {

choice = -1;

scanner.nextLine();

}

**switch** (choice) {

**case** 1:

String allFiles[] = file.list();

Arrays.*sort*(allFiles);

System.***out***.println("The list of files in ascending order is the following:");

**if** (allFiles.length > 0) {

**for**(String name:allFiles) {

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

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

}

} **else** {

System.***out***.println("There are no files in the folder! You could add some if you please!");

}

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

**break**;

**case** 2:

SubMenu.*SubMenu*();

**break**;

**case** 3:

System.***out***.println("Exiting the program.");

System.***out***.println("See you next time.");

**break**;

**default**:

System.***out***.println("Invalid choice. Please select again.");

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

}

} **while** (choice != 3);

scanner.close();

}

}

SubMenu.java

**package** locked.me.com.submenu;

**import** java.io.File;

**import** java.io.IOException;

**import** java.util.Scanner;

**public** **class** SubMenu {

**public** **static** **void** SubMenu() {

File file = **new** File("D:\\LockedMe.com App Files");

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

**int** choice;

**do** {

System.***out***.println("File Manager Menu");

System.***out***.println("1. If you would like to Add a File");

System.***out***.println("2. If you would like to Delete a File");

System.***out***.println("3. If you would like to Search for a File");

System.***out***.println("4. If you would like to go Back to the Main Menu");

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

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

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

**try** {

choice = scanner.nextInt();

} **catch** (Exception e) {

choice = -1;

scanner.nextLine();

}

**switch** (choice) {

**case** 1:

scanner.nextLine();

System.***out***.print("Please enter the file name you would like to add: ");

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

String fileNameToAdd = scanner.next();

String filePathToAdd = file.getPath()+"\\"+fileNameToAdd;

File fileToAdd = **new** File(filePathToAdd);

**if**(fileToAdd.exists()) {

System.***out***.println("The file " +fileNameToAdd+ " already exists!");

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

} **else** {

**try** {

fileToAdd.createNewFile();

System.***out***.println("The file " +fileNameToAdd+ " has been added!");

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

} **catch** (IOException e) {

e.printStackTrace();

}

}

**break**;

**case** 2:

scanner.nextLine();

System.***out***.print("Please enter the file name you would like to delete: ");

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

String fileNameToDel = scanner.next();

String filePathToDel = file.getPath()+"\\"+fileNameToDel;

File fileToDelete = **new** File(filePathToDel);

**if** (fileToDelete.exists()) {

fileToDelete.delete();

System.***out***.println("The file " +fileNameToDel+ " has been deleted!");

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

} **else** {

System.***out***.println("File " + fileNameToDel + " not found!");

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

}

**break**;

**case** 3:

scanner.nextLine();

System.***out***.println("Please enter the file you would like to search for: ");

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

String fileNameToSearch = scanner.next();

String filePathToSearch = file.getPath()+"\\"+fileNameToSearch;

File fileToSearch = **new** File(filePathToSearch);

File [] files = file.listFiles();

**if** (files.length == 0) {

System.***out***.println("There are no files in the folder! You could Add some if you please!");

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

} **else** **if** (fileToSearch.exists()) {

System.***out***.println("File "+fileToSearch+ " found!");

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

} **else** {

System.***out***.println("File "+fileToSearch+ " not found!");

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

}

**break**;

**case** 4:

System.***out***.println("Returning to the main menu.");

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

**break**;

**default**:

System.***out***.println("Invalid choice. Please select again.");

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

}

} **while** (choice != 4);

}

}

MainMenu.java

**package** locked.me.com.mainmenu;

**public** **class** MainMenu {

**public** **static** **void** MainMenu() {

System.***out***.println("LockedMe.com App");

System.***out***.println("By Giannis Laios - ioannis.laios@vodafone.com");

System.***out***.println("1. If you would like to view the list of files stored!");

System.***out***.println("2. If you would like to manage the files (Add,Delete and Search)!");

System.***out***.println("3. If you would like to Exit the App");

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

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

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

}

}