

Virtual Key for Your Repositories Specification Document

Table of Contents

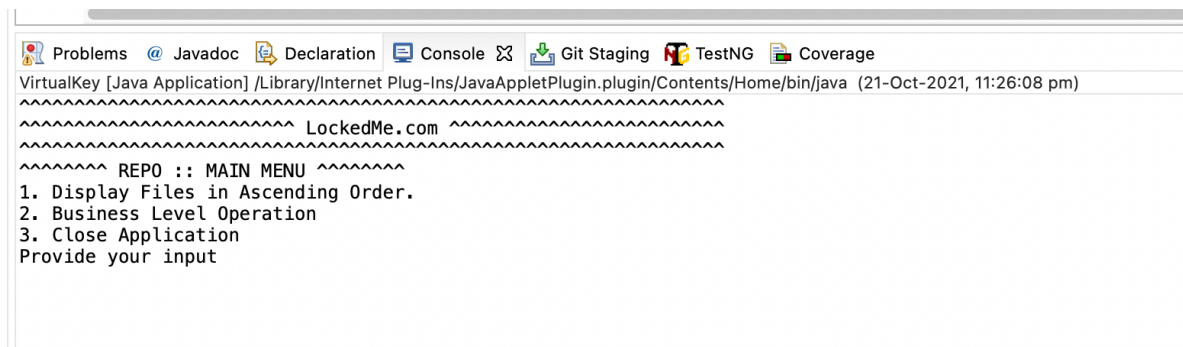
<i>Introduction</i>	<i>- 2 -</i>
<i>Output Snapshots</i>	<i>- 2 -</i>
Welcome Screen	- 2 -
Repo File Structure from Terminal	- 2 -
Option 1 : Display Files in Ascending Order	- 3 -
User select Y	- 3 -
Option 2 Business Level Operation Selected.....	- 3 -
User Selects 1 Add File	- 4 -
Trying to Add Same file Again	- 4 -
User select N To View File using Main Menu	- 4 -
User Selects 2 Delete File	- 5 -
User Selects 3 Search File	- 5 -
Option 3 : Close Application.....	- 6 -
<i>Conclusion</i>	<i>- 6 -</i>

Introduction

- This is the project report for the Project “Virtual Key for Your Repositories” under “PG FSD Implement OOPS using JAVA with Data Structures and Beyond” course of Post Graduate Program in Full Stack Web Development from Simplilearn.
- Project submitted by : Krishnaveni Rajan
- Email Id: krishnaveni07.rajan@gmail.com
- Submission Date: 22-October-2021
- Language/Tools Used : Core Java. Project written in Eclipse and committed to GitHub
- SCDL : Agile Scrum

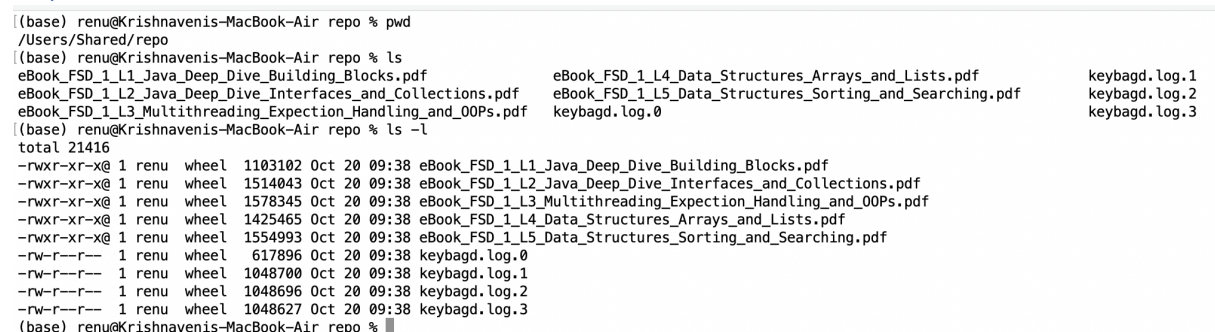
Output Snapshots

Welcome Screen



```
VirtualKey [Java Application] /Library/Internet Plug-Ins/JavaAppletPlugin.plugin/Contents/Home/bin/java (21-Oct-2021, 11:26:08 pm)
~~~~~
~~~~~ LockedMe.com ~~~~~
~~~~~
~~~~~ REPO :: MAIN MENU ~~~~~
1. Display Files in Ascending Order.
2. Business Level Operation
3. Close Application
Provide your input
```

Repo File Structure from Terminal



```
(base) renu@Krishnavenis-MacBook-Air repo % pwd
/Users/Shared/repo
(base) renu@Krishnavenis-MacBook-Air repo % ls
eBook_FSD_1_L1_Java_Deep_Dive_Building_Blocks.pdf      eBook_FSD_1_L4_Data_Structures_Arrays_and_Lists.pdf      keybagd.log.1
eBook_FSD_1_L2_Java_Deep_Dive_Interfaces_and_Collections.pdf  eBook_FSD_1_L5_Data_Structures_Sorting_and_Searching.pdf  keybagd.log.2
eBook_FSD_1_L3_Multithreading_Exception_Handling_and_00Ps.pdf  keybagd.log.0      keybagd.log.3
(base) renu@Krishnavenis-MacBook-Air repo % ls -l
total 21416
-rwxr-xr-x@ 1 renu wheel 1103102 Oct 20 09:38 eBook_FSD_1_L1_Java_Deep_Dive_Building_Blocks.pdf
-rwxr-xr-x@ 1 renu wheel 1514043 Oct 20 09:38 eBook_FSD_1_L2_Java_Deep_Dive_Interfaces_and_Collections.pdf
-rwxr-xr-x@ 1 renu wheel 1578345 Oct 20 09:38 eBook_FSD_1_L3_Multithreading_Exception_Handling_and_00Ps.pdf
-rwxr-xr-x@ 1 renu wheel 1425465 Oct 20 09:38 eBook_FSD_1_L4_Data_Structures_Arrays_and_Lists.pdf
-rwxr-xr-x@ 1 renu wheel 1554993 Oct 20 09:38 eBook_FSD_1_L5_Data_Structures_Sorting_and_Searching.pdf
-rw-r--r-- 1 renu wheel 617896 Oct 20 09:38 keybagd.log.0
-rw-r--r-- 1 renu wheel 1048700 Oct 20 09:38 keybagd.log.1
-rw-r--r-- 1 renu wheel 1048696 Oct 20 09:38 keybagd.log.2
-rw-r--r-- 1 renu wheel 1048627 Oct 20 09:38 keybagd.log.3
(base) renu@Krishnavenis-MacBook-Air repo %
```

Option 1 : Display Files in Ascending Order

```

~~~~~ REPO :: MAIN MENU ~~~~~
1. Display Files in Ascending Order.
2. Business Level Operation
3. Close Application
Provide your input
1
1. Display Files in Ascending Order.
-----Listing Files of '/Users/Shared/repo' as below :-----
eBook_FSD_1_L1_Java_Deep_Dive_Building_Builds.pdf
eBook_FSD_1_L2_Java_Deep_Dive_Interfaces_and_Collections.pdf
eBook_FSD_1_L3_Multithreading_Exception_Handling_and_OOPs.pdf
eBook_FSD_1_L4_Data_Structures_Arrays_and_Lists.pdf
eBook_FSD_1_L5_Data_Structures_Sorting_and_Searching.pdf
keybagd.log.0
keybagd.log.1
keybagd.log.2
keybagd.log.3

Do you want to continue with Main Menu ?
[Press: y or Y to continue. Press anyother key to quit!!!]

```

User select Y

```
keybagd.log.3
keybagd.log.3

Do you want to continue with Main Menu ?
[Press: y or Y to continue. Press anyother key to quit!!!]

y
~~~~~
~~~~~ LockedMe.com ~~~~~
~~~~~
~~~~~ REPO :: MAIN MENU ~~~~~
1. Display Files in Ascending Order.
2. Business Level Operation
3. Close Application
Provide your input
```

Option 2 Business Level Operation Selected

```

^~~~~~
^~~~~~ LockedMe.com ^~~~~~
^~~~~~
^~~~~~ REPO :: MAIN MENU ^~~~~~
1. Display Files in Ascending Order.
2. Business Level Operation
3. Close Application
Provide your input
2
^~~~~~ REPO :: Business Level Operations ^~~~~~
1. Add File
2. Delete File
3. Search File
Provide your input

```

User Selects 1 Add File

```
~~~~~ REPO :: Business Level Operations ~~~~~
1. Add File
2. Delete File
3. Search File
Provide your input
1
Adding a File
Provide the File Name
sample.txt
Data Writtern into file
Filesample.txt created successfully in/Users/Shared/repo!

Do you want continue with Business Level Menu ?
[Press: y or Y to continue. Press anyother key to quit!!!]

y
~~~~~ REPO :: Business Level Operations ~~~~~
1. Add File
2. Delete File
3. Search File
Provide your input
```

Trying to Add Same file Again

```
Do you want continue with Business Level Menu ?
[Press: y or Y to continue. Press anyother key to quit!!!]

y
~~~~~ REPO :: Business Level Operations ~~~~~
1. Add File
2. Delete File
3. Search File
Provide your input
1
Adding a File
Provide the File Name
sample.txt
File already exists
```

User select N To View File using Main Menu

```
~~~~~ REPO :: Business Level Operations ~~~~~
1. Add File
2. Delete File
3. Search File
Provide your input
1
Adding a File
Provide the File Name
sample.txt
File already exists

Do you want continue with Business Level Menu ?
[Press: y or Y to continue. Press anyother key to quit!!!]

n

Do you want to continue with Main Menu ?
[Press: y or Y to continue. Press anyother key to quit!!!]

y
~~~~~ REPO :: MAIN MENU ~~~~~
1. Display Files in Ascending Order.
2. Business Level Operation
3. Close Application
Provide your input
1
1. Display Files in Ascending Order.
-----Listing Files of '/Users/Shared/repo' as below : -----
eBook_FSD_1_L1_Java_Deep_Dive_Building_Blocks.pdf
eBook_FSD_1_L2_Java_Deep_Dive_Interfaces_and_Collections.pdf
eBook_FSD_1_L3_Multithreading_Expection_Handling_and_00Ps.pdf
eBook_FSD_1_L4_Data_Structures_Arrays_and_Lists.pdf
eBook_FSD_1_L5_Data_Structures_Sorting_and_Searching.pdf
keybagd.log.0
keybagd.log.1
keybagd.log.2
keybagd.log.3
sample.txt

Do you want to continue with Main Menu ?
[Press: y or Y to continue. Press anyother key to quit!!!]
```

User Selects 2 Delete File

```
ma y
~~~~~
~~~~~ LockedMe.com ~~~~~
~~~~~ REPO :: MAIN MENU ~~~~~
1. Display Files in Ascending Order.
2. Business Level Operation
3. Close Application
Provide your input
2
~~~~~ REPO :: Business Level Operations ~~~~~
1. Add File
2. Delete File
3. Search File
Provide your input
2
Deleting a File
Provide the File Name
sample.txt
File exists
File sample.txt deleted successfully from/Users/Shared/repo!

Do you want continue with Business Level Menu ?
[Press: y or Y to continue. Press anyother key to quit!!!]

y
~~~~~ REPO :: Business Level Operations ~~~~~
1. Add File
2. Delete File
3. Search File
Provide your input
2
Deleting a File
Provide the File Name
sample.txt
Error : File Not Found in the Repo!!! Please provide a existing file.

Do you want continue with Business Level Menu ?
[Press: y or Y to continue. Press anyother key to quit!!!]
```

User Selects 3 Search File

```
Do you want continue with Business Level Menu ?
[Press: y or Y to continue. Press anyother key to quit!!!]

y
~~~~~ REPO :: Business Level Operations ~~~~~
1. Add File
2. Delete File
3. Search File
Provide your input
3
Searching for the File
Provide the File Name
sample.txt
Error : Search Failed!!!
File Not Found! You can search for different file !!!!!

Do you want continue with Business Level Menu ?
[Press: y or Y to continue. Press anyother key to quit!!!]
```

```

Do you want continue with Business Level Menu ?
[Press: y or Y to continue. Press anyother key to quit!!!]

y
~~~~~ REPO :: Business Level Operations ~~~~~
1. Add File
2. Delete File
3. Search File
Provide your input
3
Searching for the File
Provide the File Name
keybagd.log.0
Search Successful!!!
File keybagd.log.0 is available in the Repo

Do you want continue with Business Level Menu ?
[Press: y or Y to continue. Press anyother key to quit!!!]

n

Do you want to continue with Main Menu ?
[Press: y or Y to continue. Press anyother key to quit!!!]

n
Thank you for Visting!!!

```

Option 3 : Close Application

```

<terminated> VirtualKey [Java Application] /Library/Internet Plug-Ins/JavaAppletPlugin.plugin/Contents/Home/bin/java (21-Oct-2021, 11:40:35 pm - 11:40:46 pm)
~~~~~ LockedMe.com ~~~~~
~~~~~ REPO :: MAIN MENU ~~~~~
1. Display Files in Ascending Order.
2. Business Level Operation
3. Close Application
Provide your input
1
1. Display Files in Ascending Order.
-----Listing Files of '/Users/Shared/repo' as below : -----
eBook_FSD_1_L1_Java_Deep_Dive_Building_Blocks.pdf
eBook_FSD_1_L2_Java_Deep_Dive_Interfaces_and_Collections.pdf
eBook_FSD_1_L3_Multithreading_Exception_Handling_and_00Ps.pdf
eBook_FSD_1_L4_Data_Structures_Arrays_and_Lists.pdf
eBook_FSD_1_L5_Data_Structures_Sorting_and_Searching.pdf
keybagd.log.0
keybagd.log.1
keybagd.log.2
keybagd.log.3

Do you want to continue with Main Menu ?
[Press: y or Y to continue. Press anyother key to quit!!!]

y
~~~~~ LockedMe.com ~~~~~
~~~~~ REPO :: MAIN MENU ~~~~~
1. Display Files in Ascending Order.
2. Business Level Operation
3. Close Application
Provide your input
3
Closing the Application!!! Thank you for Visting!!!

```

Conclusion

Using core java's different concepts, data type, in-built methods and options, it was feasible to make the Virtual Key for the Repository while the user interaction was maintained through-out the application. It was easy to implement when the tasks are clear, requirement is well understood and implemented with an idea of how to do and which feature to use.