

LockedMe.com – Product of Lockers Pvt. Ltd

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[https://github.com/chan2785/Chandrakumar_Sivanathan PG FSD 1 Virendra Sharma.git](https://github.com/chan2785/Chandrakumar_Sivanathan_PG_FSD_1_Virendra_Sharma.git)

Sprint Planning and Task Completion

The project is planned to be completed in 3 sprint. Tasks assumed to be completed in the sprint are:

Sprint 1:

- Creating the flow of the application
- Initializing git repository to track changes as development progresses.
- Develop the home screen

Sprint 2:

- Build functionality to list the file in ascending order
- Build functionality to add, delete, Search the file
- Build functionality to close the application

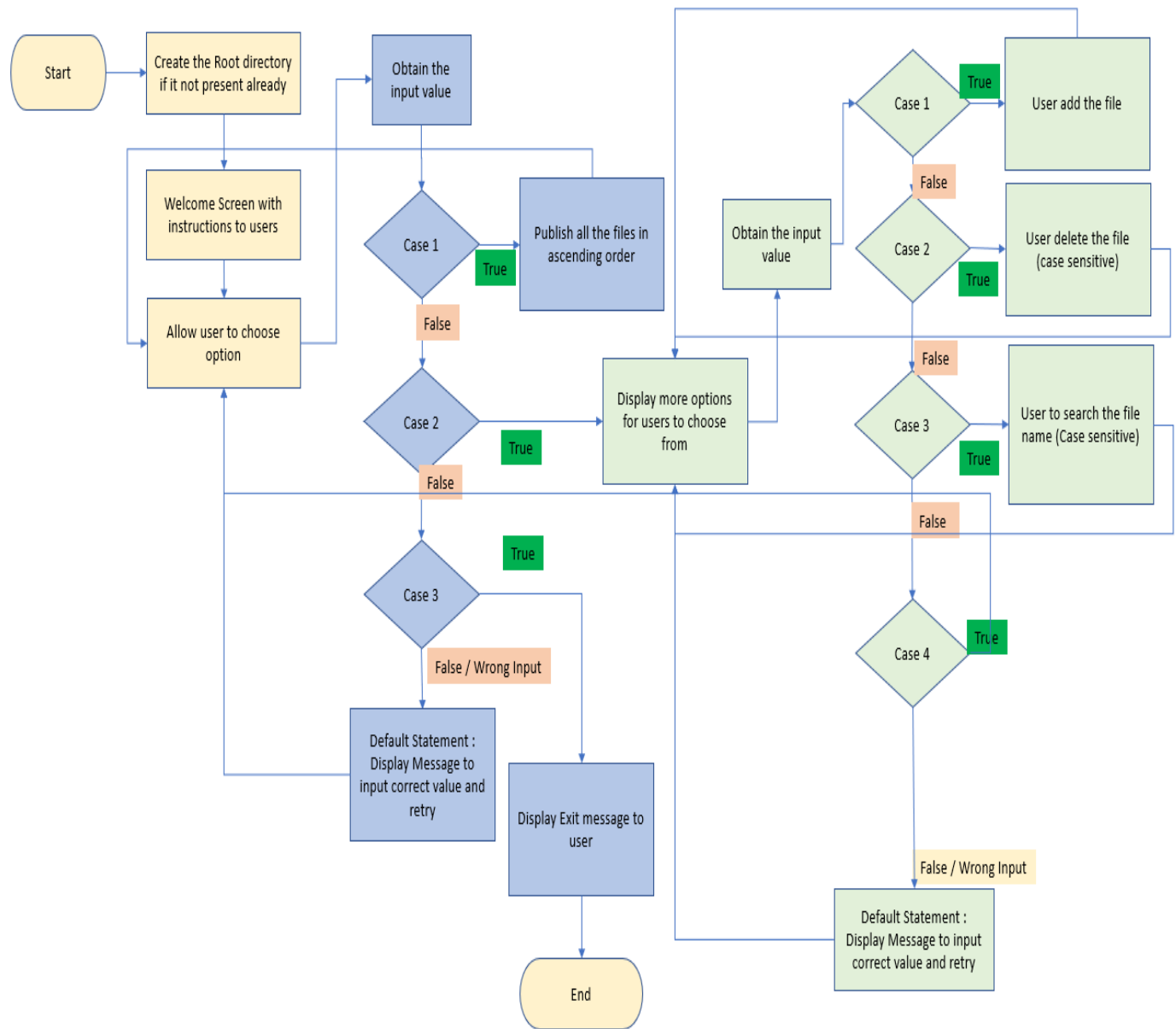
Sprint 3:

- Pushing code to GitHub.
- Creating this specification document highlighting application capabilities, appearance, and user interactions.

Core concepts used in project

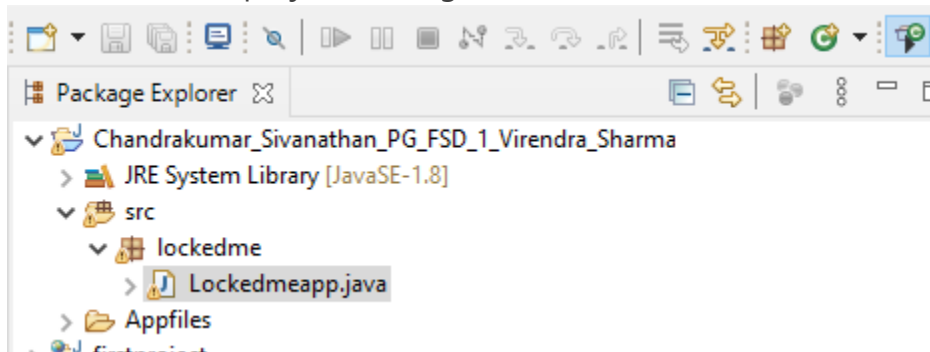
- Collections framework
- File Handling
- Sorting
- Flow Control
- Recursion
- Exception Handling
- Streams API

Flow of the Application



Illustrate product capabilities, appearance, and user interactions

1. Created a New Java project, Package & class



2. Build Lockedmeapp.java (Code available in GIT)

- a. User Main screen

```
*****
***** Welcome to Lockers.com*****
** This application was developed by Chandra Sivanathan*****
*****
```

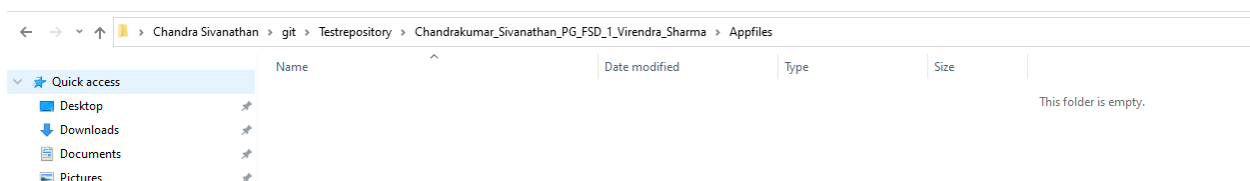
DIRECTORY : C:\Users\Chandra Sivanathan\git\Testrepository\Chandrakumar_Sivanathan_PG_FSD_1_Virendra_Sharma\AppData

MAIN MENU - Select any of the following:

- 1 -> List files in directory
- 2 -> Add, Delete or Search
- 3 -> Exit Program

User Keys in 1 & Output below :

```
MAIN MENU - Select any of the following:
1 -> List files in directory
2 -> Add, Delete or Search
3 -> Exit Program
1
The folder is empty
```



User Keys in 2 at primary screen & Output below :

MAIN MENU - Select any of the following:

- 1 -> List files in directory
- 2 -> Add, Delete or Search
- 3 -> Exit Program

2

|

Select any of the following:

- 1 -> Add a file
- 2 -> Delete a file
- 3 -> Search a file
- 4 -> GoBack

User Keys in 1 in Secondary screen & Output below :

Select any of the following:

- 1 -> Add a file
- 2 -> Delete a file
- 3 -> Search a file
- 4 -> GoBack

1

Please Enter the File name to be added : apple

File apple added to C:\Users\Chandra Sivanathan\git\Testrepository\Chandrakumar_Sivanathan_PG_FSD_1_Virendra_Sharma\AppDataFiles

User Keys in 4 in Secondary screen & Output below :

Select any of the following:

- 1 -> Add a file
- 2 -> Delete a file
- 3 -> Search a file
- 4 -> GoBack

4

Going Back to MAIN menu

MAIN MENU - Select any of the following:

- 1 -> List files in directory
- 2 -> Add, Delete or Search
- 3 -> Exit Program

User Keys in 1 in Main screen & Output below :

```
MAIN MENU - Select any of the following:
1 -> List files in directory
2 -> Add, Delete or Search
3 -> Exit Program
1
List of files in Directory 'C:\Users\Chandra Sivanathan\git\Testrepository\Chandrakumar_Sivanathan_PG_FSD_1_Virendra_Sharma\Appfiles' are listed below in ascending order:
apple
banana
mango
pineapple
```

User Keys in 3 in Secondary menu & output below

```
Select any of the following:
1 -> Add a file
2 -> Delete a file
3 -> Search a file
4 -> GoBack

3
Please Enter the File name to be searched : apple
FOUND : File apple exists at C:\Users\Chandra Sivanathan\git\Testrepository\Chandrakumar_Sivanathan_PG_FSD_1_Virendra_Sharma\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\...
```

User Keys in 3 in Secondary menu & output below (FNF)

```
Select any of the following:
1 -> Add a file
2 -> Delete a file
3 -> Search a file
4 -> GoBack

3
Please Enter the File name to be searched : peach
File NOT found (FNF)
```

User Keys in 2 in Secondary menu

```
Select any of the following:
  1 -> Add a file
  2 -> Delete a file
  3 -> Search a file
  4 -> GoBack

2
Please Enter the File name to be Deleted : pineapple
File pineapple deleted from C:\Users\Chandra Sivanathan\git\Testrepository\Chandrakumar_Sivanathan_PG_FSD_1_Virendra_Sharma\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\...
```

User Keys in 2 in Secondary menu (FNF delete condition)

```
Select any of the following:
1 -> Add a file
2 -> Delete a file
3 -> Search a file
4 -> GoBack

2
Please Enter the File name to be Deleted : pineapple
Delete Operation failed. FILE NOT FOUND
```

User Keys in 3 in Main menu (Exit condition)

MAIN MENU - Select any of the following:

1 -> List files in directory

2 -> Add, Delete or Search

3 -> Exit Program

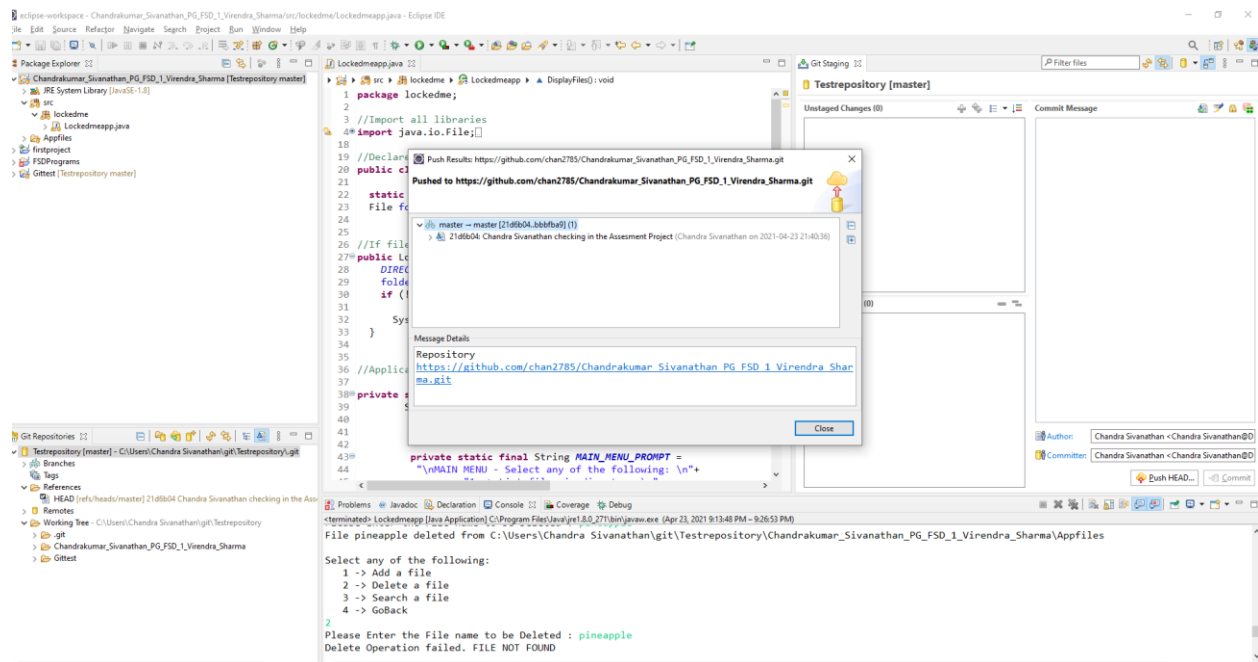
3

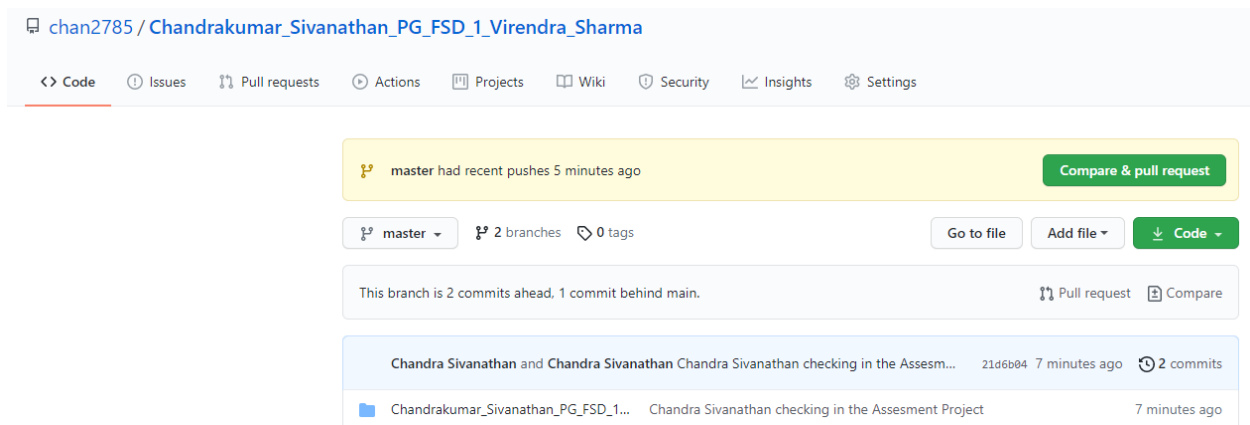
Thank You for using our Application - Have an Wonderful Day !

GitHub repository :

https://github.com/chan2785/Chandrakumar_Sivanathan_PG_FSD_1_Virendra_Sharma.git

Push to Git using Eclipse IDE





Key Features of the application

1. The Application displays all the files in ascending order
2. The user is able to seamlessly switch between options or return to previous menu even after any required operation like adding, searching, deleting or retrieving of files is performed.
3. The application is designed to keep on running and taking user inputs even after exceptions occur. To terminate the application, appropriate option needs to be selected.
4. The application is designed to be very simple with out any complex coding with less lines of code to achieve the prime performance

Conclusion on enhancing the application

Further enhancements to the application can be made which may include:

- Additional User intuitive flows and messages
- Enable multfile add, delete, index search feature
- Enable user to enter content within the added files
- Provide stats on how many files are available in the directory
- Retrieving files/folders by different criteria like Last Modified, Type, etc.
- Allowing user to append data to the file.