LockedMe.com – Product of Lockers Pvt. Ltd

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Version : 1.0 Baselined

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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.

Sprint Backlog

Product Backlog

Priority		Story Name	Sprint		Sprint Code Name	Estimated Effort	Story Status	Create task
1	▾	Creating the flow of the application	1	▾	The Let's see what's it about sprint	1	Done	🔥 New task
1	▾	Initializing git repository to track changes as development progresses	1	▾	The Let's see what's it about sprint	1	Not Started	🔥 New task
1	▾	Develop the home screen	1	▾	The Let's see what's it about sprint	1	Not Started	🔥 New task
2	▾	Build functionality to list the file in ascending order	2	▾	The architecture design sprint	1	Not Started	🔥 New task
2	▾	Build functionality to close the application	2	▾	The architecture design sprint		Not Started	🔥 New task
3	▾	Build functionality to add, delete, Search the file	2	▾	The architecture design sprint	1	Not Started	🔥 New task
3	▾	Creating this specification document highlighting application capabilities, appearance, and user interactions	3	▾	The lean end-to-end sprint		Not Started	🔥 New task
3	▾	Pushing code to GitHub.	3	▾	The lean end-to-end sprint		Not Started	🔥 New task
+								
		8 Count				Sum 5		

Sprint Overview

🔁 Sprints overview

Create a new sprint: 💎 Create new sprint

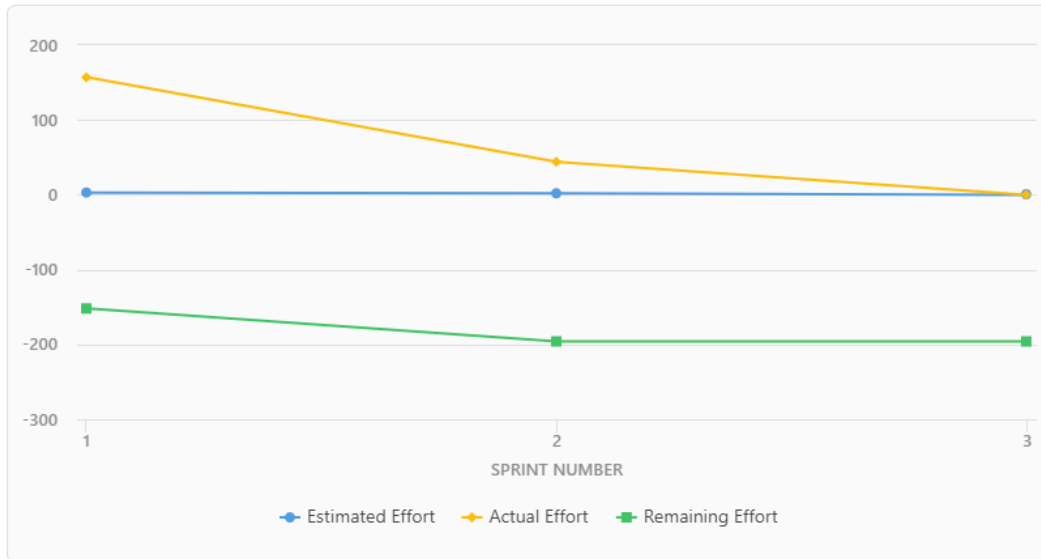⚠️ Note: The Sprint number must be a number. You can add a description in the code name field.

Sprints

Sprint Number	Code Name	Start Date	Start	Active
1	Lockme App Sprint 1	Apr 23	Start	☐
2	Lockme App Sprint 2	Apr 24	Start	☐
3	Lockme App Sprint 3	Apr 24	Start	☐

Tasks Planning

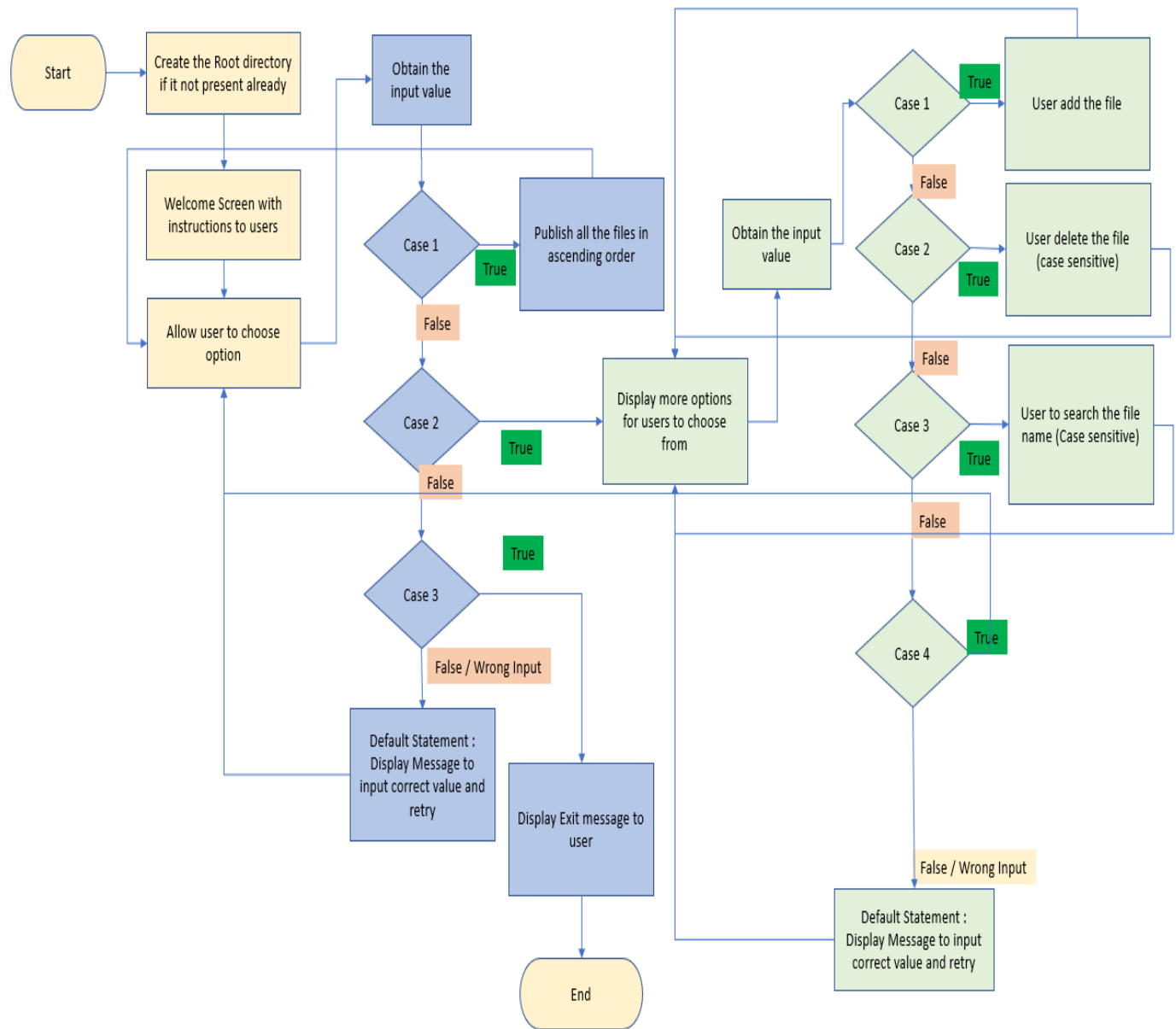| Story	Task	Person	Actual Effort	Task Status	Done	Completion Date
Build functionality to list the file in ascending order ▾	A complicated task	#r7 ▾	22	Done ▾	✓ Done	

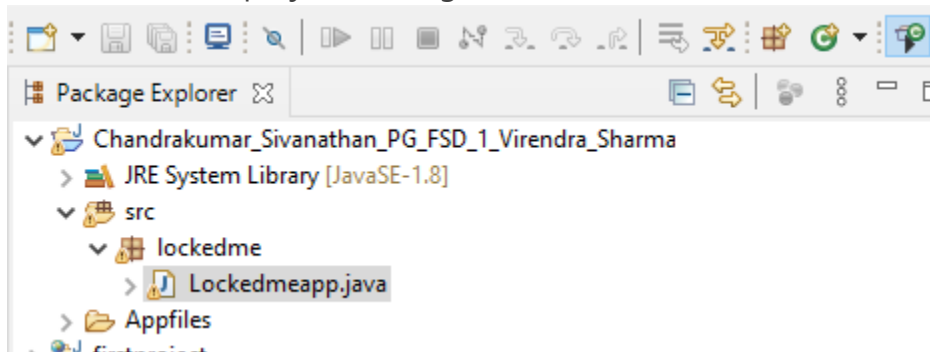+ New row

Burndown Chart

Core concepts used in project

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

Flow of the Application

Start → Create the Root directory if it not present already → Obtain the input value

Create the Root directory if it not present already → Welcome Screen with instructions to users → Allow user to choose option

Case 1 — True → Publish all the files in ascending order
Case 1 — False ↓

Case 2 — True → Display more options for users to choose from
Case 2 — False ↓

Case 3 — True
Case 3 — False / Wrong Input ↓

Default Statement : Display Message to input correct value and retry

Display Exit message to user → End

Obtain the input value

Case 1 — True → User add the file
Case 1 — False ↓

Case 2 — True → User delete the file (case sensitive)
Case 2 — False ↓

Case 3 — True → User to search the file name (Case sensitive)
Case 3 — False ↓

Case 4 — True
Case 4 — False / Wrong Input ↓

Default Statement : Display Message to input correct value and retry

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\Appfiles

MAIN MENU - Select any of the following:
1 -> List files in directory
2 -> Add, Delete or Search
3 -> Exit Program
```
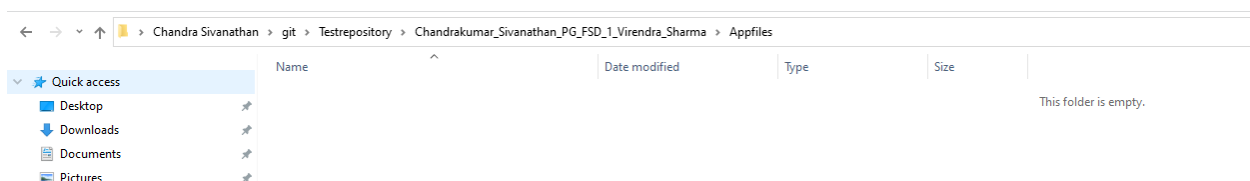
User Keys in 1 & Output below :

```
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\Appfiles
```

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\Appfiles
```

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\Appfiles
```

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 !
```
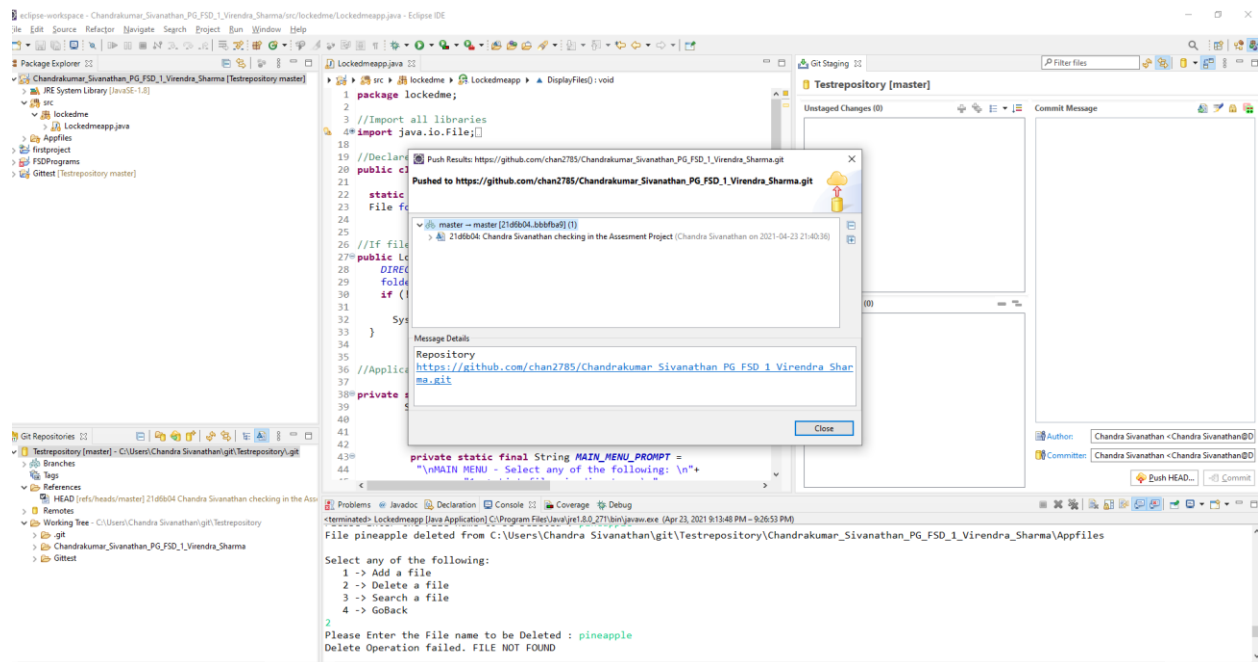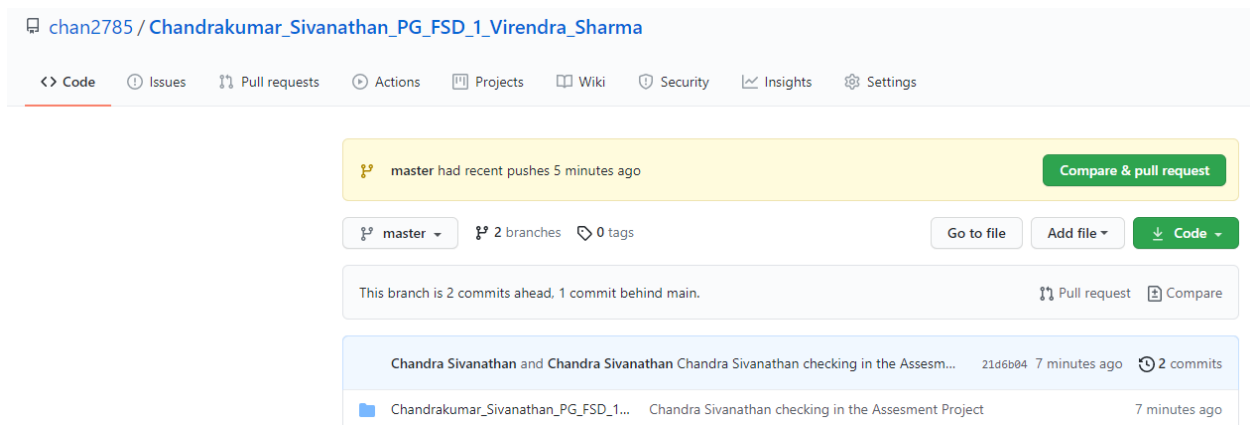
GitHub repository :

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 multifile 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.