LockedMe.com File Viewer and Manager

LockedMe.com File Manager software hopes to solve the problem faced by other file managing system.

Some of the problem faced by other current managing system are

1) Other are not user friendly
2) Other are slow
3) File are not displayed in any order (Ascending or descending)
4) Other crashes when workload is high

Project requirement were

- Retrieving the file names in an ascending order

- Business-level operations:

- Option to add a user specified file to the application

- Option to delete a user specified file from the application

- Option to search a user specified file from the application

- Navigation option to close the current execution context and return to the main context

- Option to close the application

Project Title: **LockedMe.com File Viewer and Manager**	
Date: 3/10/2020	**Required by–** Lockers Pvt. Ltd

Developed By: Tushar Srivastav(tushars292@gmail.com)

Priority - High	**Programing language – Java 8**
Model used -Agile framework	**IED - Eclipse**
	Project Submitted - GitHub
	Testing - Manual testing

Project Justification:

LockedMe.com File manager hopes to improve on all this feature which the other file manger system lacks while still offering the cross-platform independence they are accustom to
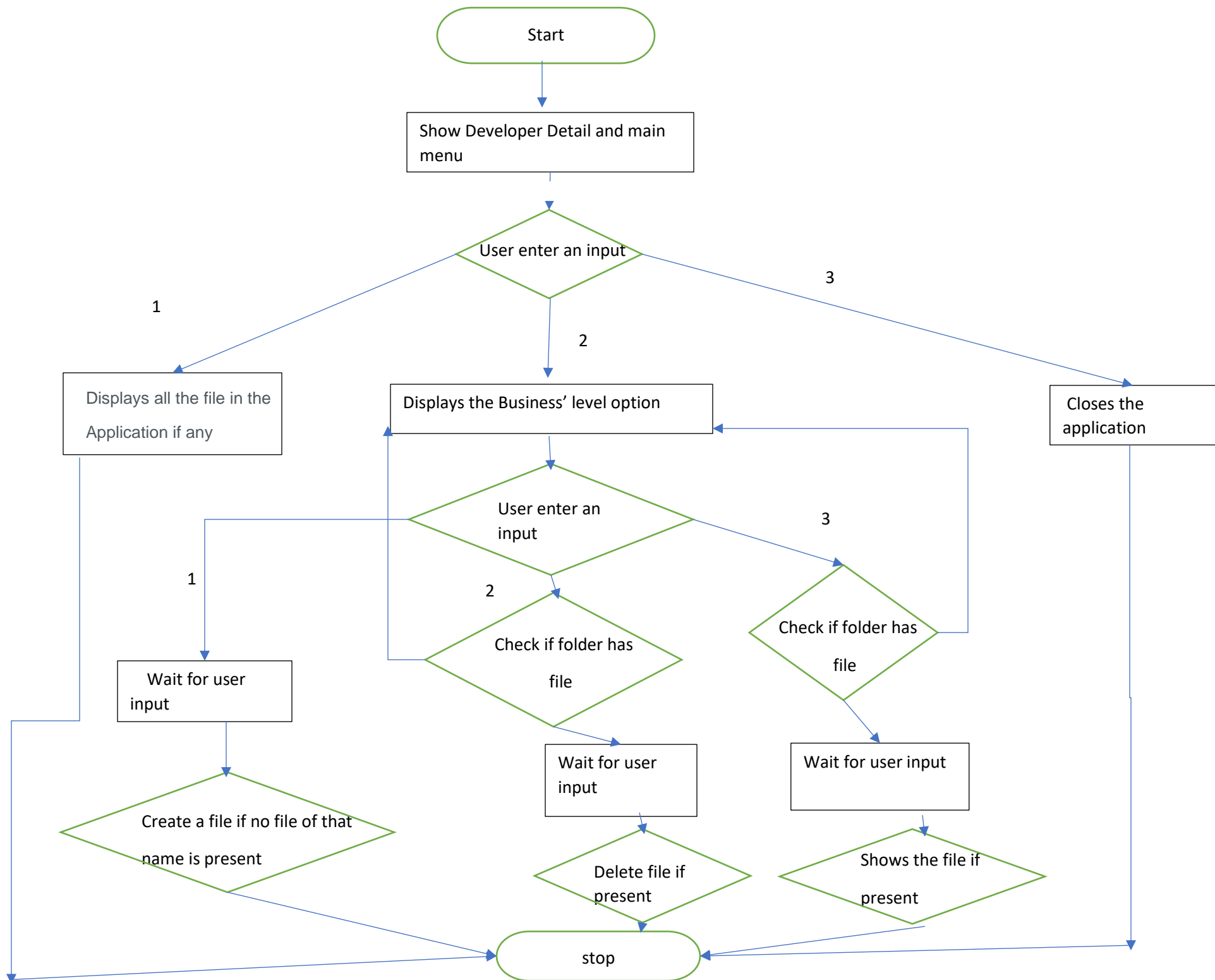
Project Overview

Product Characteristics and Requirements:

1) **Retrieving the file names in an ascending order**
2) **Business-level operations**
   a. **Option to add a user specified file to the application**
   b. **Option to delete a user specified file from the application**
   c. **Option to search a user specified file from the application**
   d. **Navigation option to close the current execution context and return to the main context**
3) **Option to close the application**

Project Success Criteria:

My goal was to complete the project with in **the allotted deadline** as well as meet all the **Requirement** given to me.

```
                              ┌──────────────┐
                              │    Start     │
                              └──────┬───────┘
                                     │
                          ┌──────────▼──────────────┐
                          │ Show Developer Detail    │
                          │ and main menu            │
                          └──────────┬──────────────┘
                                     │
                              ◆ User enter an input ◆
```

- Start
- Show Developer Detail and main menu
- User enter an input
  - 1 → Displays all the file in the Application if any
  - 2 → Displays the Business' level option
  - 3 → Closes the application

Displays all the file in the Application if any

Displays the Business' level option
- User enter an input
  - 1 → Wait for user input → Create a file if no file of that name is present → stop
  - 2 → Check if folder has file → Wait for user input → Delete file if present → stop
  - 3 → Check if folder has file → Wait for user input → Shows the file if present → stop

Closes the application → stop

stop

Project Work:

This project was completed using Agile Scrum Model. It took three sprints to complete this product.

Product Backlog

Backlog item	
As a user of the application, I want to get an intro on the application and have option clearly defined, so that I can navigate the app easily	4
As a user of the application, I want to see a file display option so that I can see all the file in ascending order	2
As a user of the application, I want to see a file addition option so that I can add files in the application	2
As a user of the application, I want to see a file deletion option so that I can delete files in the application	2
As a user of the application, I want to see a file search option so that I can search files in the application	2
As a user of the application, I want to have a go back option so that I can easily navigate the application without closing	1

The First Sprint –

created the user interface

User Story
As a user of the application, I want get an intro on the application and have option clearly defined, so that I can navigate the app

```
                          Welcome
               LockedMe.com  File Viewer and Manager
                          Deleloved by
          Tushar Srivastav Email address -tushars292@gmail.com
                          Powered by
                       Lockers Pvt. Ltd
Please select one off the following option :
 Press  :
    1      to  view all the file in the folder
    2      to  get an interface containing further option
```

In this sprint I created the user interface -

the startup screen it contains the application name, developer details, as well as the starting menu.

```
Please select one off the following option :
 Press  :
    1      to  view all the file in the folder
    2      to  get to Business-level operation
```

User Story
As a user of the application, I want to see a file display option so that I can see all the file in ascending order

I also covered file search in this sprint. I used array data structure here to store and sort the file.it display the file in ascending order.

```
The File are :

1) hef.txt
2) hi.txt
3) hit.txt
```

Backlog

Backlog item	
As a user of the application, I want to see a file addition option so that I can add files in the application	2
As a user of the application, I want to see a file deletion option so that I can delete files in the application	2
As a user of the application, I want to see a file search option so that I can search files in the application	2
As a user of the application, I want to have a go back option so that I can easily navigate the application without closing	1

The Second Sprint- In this sprint I reviewed what all were covered in the previous sprint as well as left to do

I also fixed minor error which arose while running the application

Added the option for file adding and deletion

```
Press  :
        1       to add a new File
        2       to delete a  file
```

For File addition

> User Story
>
> As a user of the application, I want to see a file addition option so that I can add files in the application

As soon as we select that option a reminder appears to tell us not to use special character in the filename and then asks to enter the name of the file we want to create.

```
1
 Filename should not contain special character
Please Enter The name of file to be created
```

if the user enters a filename containing special character that are not permitted by the Operating System for filename they are removed by the program internally

if the user enters a file name which is already present in the folder the application tells the user that file already exist and select a new filename

```
1
 Filename should not contain special character
Please Enter The name of file to be created
hello
File already exist Please choose a different name
```

If the user again enters a name which is already in the folder then maximum limit reached warning opens

```
Please Enter The name of file to be created
hello
File already exist Please choose a different name
hello
File already exist .you have reached maximum limit
```

For File deletion

User Story
As a user of the application, I want to see a file deletion option so that I can delete files in the application

As soon as we select that option application check if there are any files in the Folder, if the folder is empty then the application asks

us to first insert some files before carry on this process

```
2
There are no files in the Folder : File, Please create file before selecting this option
```

Otherwise it asks us to enter the name of the file we want to delete. It is case sensitive

```
2
 Please enter the name of file you want to delete
|
```

If it finds the file it deletes it and a confirmation message appears

```
2
 Please enter the name of file you want to delete
hi
 File hi was deleted succesfully Press  :
```

Otherwise

A message appears telling you that file has not been found and gives you list of all the file in the folder and ask you for a file name

```
2
 Please enter the name of file you want to delete
hre
 File hre cannot be found please choose one of the following file
1) hi.txt
 Please enter the name of file you want to delete
```

The limit is set to two tries.

Backlog

Backlog item	
As a user of the application, I want to see a file search option so that I can search files in the application	2
As a user of the application, I want to have a go back option so that I can easily navigate the application without closing	1

The Third Sprint- In this sprint I reviewed what all were covered in the previous sprint as well as left to do

I also fixed minor error which arose while running the application

Added File searched

User Story

As a user of the application, I want to see a file search option so that I can search files in the application

As soon as we select that option application check if there are any files in the Folder, if the folder is empty then the application asks us to first insert some files before carry on this process

```
2
There are no files in the Folder : File, Please create file before selecting this option
```

Otherwise it asks us to enter the name of the file we want to search. It is case sensitive

```
3
| Please enter the name of file you want to search
```

If the file is found a confirmation message appears with the file full name

```
3
 Please enter the name of file you want to search
a
| File searched a is found, The File is a.txt
```

Otherwise A message appears telling you that file has not been found and gives you list of all the file in the folder.

```
3
 Please enter the name of file you want to search
A
File not found

1) a.txt
2) hit.txt
3) hp.txt
```

Added going back to option to all the operation of the project

User Story

As a user of the application, I want to have a go back option so that I can easily navigate the application without closing

```
Press  :
1 to go back to previous menu
2 to go back to main menu
3 to Exist the app
```

1st option takes to the previous menu i.e.
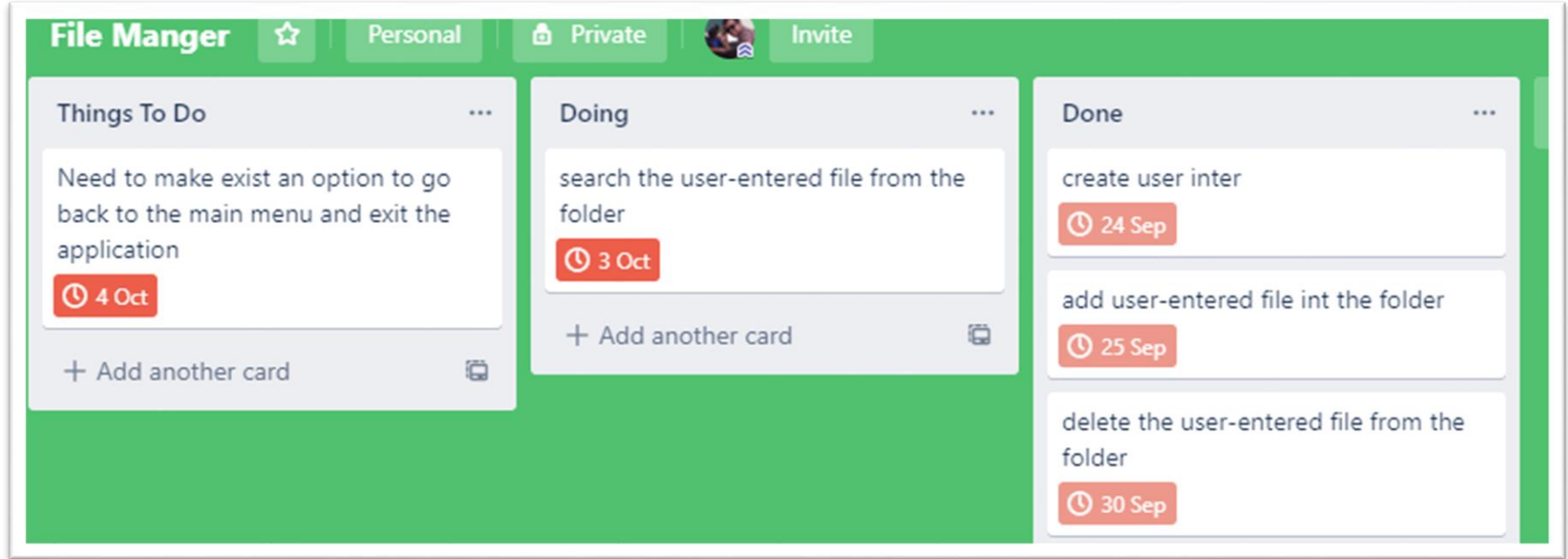
```
Press  :
1 to go back to previous menu
2 to go back to main menu
3 to Exist the app
1
Press  :
        1       to add a new File
        2       to delete a  file
        3       to serch a  file
        4       Go back to the previous menu
```

2nd option takes you to main menu

```
Press  :
1 to go back to previous menu
2 to go back to main menu
3 to Exist the app
2
Please select one off the following option :
 Press  :
    1       to   view all the file in the folder
    2       to   get to Business-level operations
    3       to   exist the project
```

3rd option helps you exist the app

```
Please select one off the following option :
 Press  :
    1       to   view all the file in the folder
    2       to   get to Business-level operations
    3       to   exist the project
3
thanks for using LockedMe.com  File Viewer and Manager see you soon
```

The product could be further enhanced by adding more feature in the future version

1) Adding an option so that the user can see the file in both ascending or descending order
2) Adding case sensitivity in file add option
3) File can be assessed in the sub folder
4) Optimize the software

The unique selling point of the product is its user interactivity.