

Project Name: **LockedMe.com**

Developer details:

- Developer name: Vivica Ma
- Developer company: HCL Technologies
- Developer email: vivica.ma@hcl.com
- Developer github: <https://github.com/chefvivica>

Sprints:

This is a 15 working days (3 weeks) long project. below is my 3 sprints:

Sprint 1:

1. Select user stories, identify task
 - a. It is a file management system CLI app.
 - b. As a user, I can get options:
 - i. Get information about this app and developer
 - ii. Retrieve all file
 - iii. Manipulate files
 - iv. Exit program
2. Discuss the ways to execute Task
 - a. Have an interface in order to reuse
 - b. Have an pojo file class to create file instance
 - c. Have a main class and create a file instance to run the program
 - d. Display welcome page which includes Application name and the developer details
 - e. Using scanner class to grab user's input and execute the option as use chose
 - f. Using java.io.file class and collection class to retrieve all file from user desired file path by name ascending order, sorting
 - g. After retrieving all files, I should be able to go back to the main menu, using a do while loop to keep the program running .
 - h. Program should stop when the user chooses to exit.
3. Describe goal accomplishment
 - a. Accomplished all

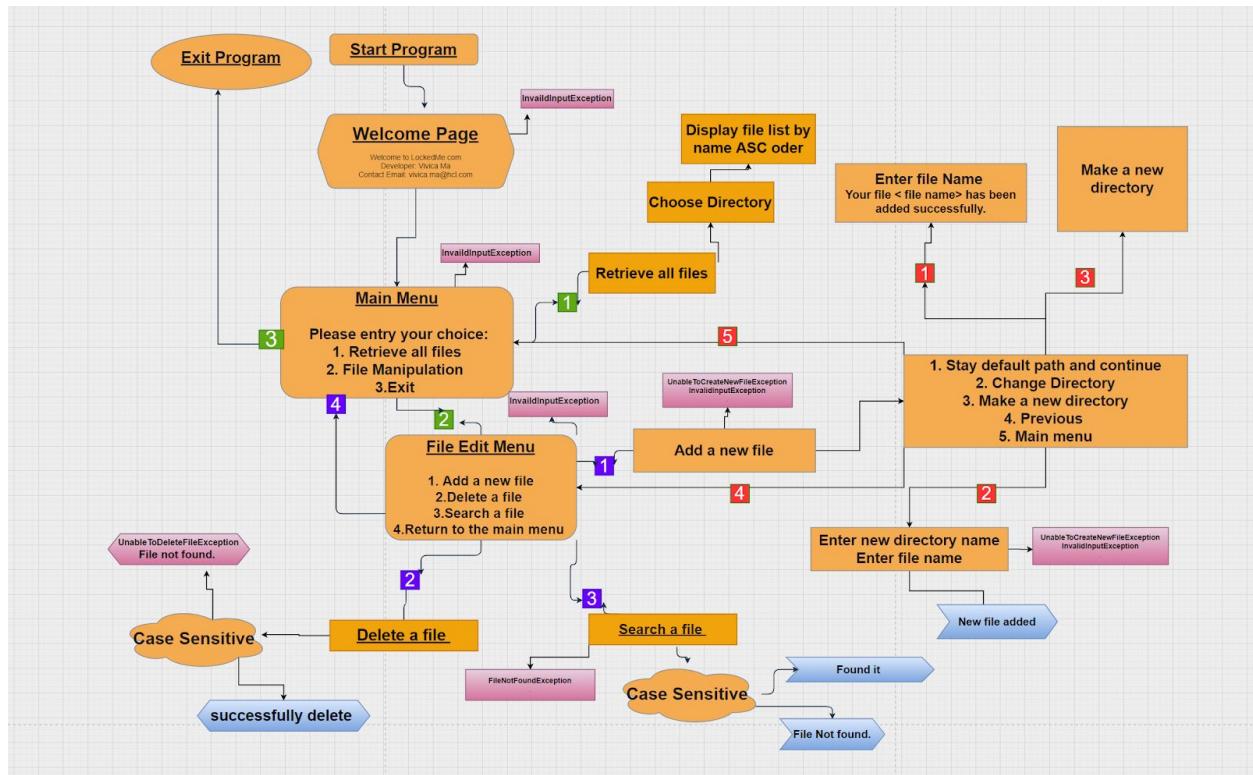
Sprint 2:

4. Select user stories, identify task
 - a. As a user, when I choose manipulate files option, i can :
 - i. Add a file
 - ii. Delete a file
 - iii. Search a file
 - iv. Back to main menu
 - v. Add a file should be given options to choose path
 1. Case sensitivity of the file names can be ignored.
 2. Creating file should be successfully or failed
 3. If successful, should be able to see from the Retrieve option
 4. If fail, should throw a custom exception and deliver a message, back to the previous menu and keep the program running.
 - vi. Delete a file should be case sensitive
 1. If successfully, should be able to see it is gone from the all files
 2. If fail, should deliver a message FNF.
 3. Program should be returned to the previous menu after done.
 - vii. Search a file should be case sensitive
 1. If successfully, should be deliver a message with file path
 2. If fail, should deliver a message FNF.
 3. Program should be returned to the previous menu after done.
 - viii. Users should be able to return to the main menu.
5. Discuss the ways to execute Task
 - a. scanner class -user input
 - b. Collection case sensitive, listing, binary search
 - c. java.io.file class
 - d. Exceptions
 - e. Class getter method
 - f. Loop
6. Describe goal accomplishment
7. accomplished all

Sprint 3:

8. Identify task
 - a. Write test
 - b. Refactor code
9. Discuss the ways to execute Task
 - a. Junit test
 - b. Helper method
 - c. Encapsulation
10. Describe goal accomplishment.
 - a. Not done yet

Flowcharts:



Concepts used in the project

Agile Scrum, git, loop, Collection, Methods and encapsulation, exception handling, lambda expression, data structure and algorithms.

[Github link](#)

Conclusion:

This project was tested very smoothly. As a user, you can go over all the options back and forth, and all the file data are persisted and accurate. Even though it is a CLI app, the output has some designs, so it looks very pretty and all the instructions are clear.

Screenshots

```
*****
*                               Welcome to LockedMe.com                               *
*                               Developer name: Vivica                               *
*                               Contact email: vivica.ma@hcl.com                       *
*                               *
*****
+-----+
Please enter your choice.
+-----+

1. Retrieve all files
2. Manipulate files
3. Exit
q
Please enter a number
1
*****
All directories.
*****
hcl
java
temp
test
*****
Please confirm your folder by entering the folder name from above list.
*****
hcl
*****
Here are all your files:
*****
python.txt
ruby.txt
+-----+
Please enter your choice.
+-----+

1. Retrieve all files
2. Manipulate files
3. Exit
1
*****
All directories.
*****
hcl
java
temp
test
*****
Please confirm your folder by entering the folder name from above list.
*****
test
*****
Here are all your files:
*****
=====
NO FILE YET. You can add a new file by following the instructions.
=====
+-----+
Please enter your choice.
+-----+

1. Retrieve all files
2. Manipulate files
```

```

test
*****
Please confirm your folder by entering the folder name from above list.
*****
test
*****
Here are all your files:
*****
=====
NO FILE YET. You can add a new file by following the instructions.
=====
+-----+
Please enter your choice.
+-----+

1. Retrieve all files
2. Manipulate files
3. Exit
2
+-----+
Please enter your choice.
+-----+

1. Add a new file
2. Delete a file
3. Search a file
4. Main menu
1
+-----+

Please enter your choice.
*****
Default path is: C:\Users\vivic\my_applications\my-java-projects\lockedmecom\default\temp
*****

1. Stay default directory and continue
2. Change directory
3. Make a new directory
4. Previous
5. Main menu
1
*****
Please enter your file name.
*****
tuesday
*****
tuesday File created.
*****
+-----+

Please enter your choice.
*****
Default path is: C:\Users\vivic\my_applications\my-java-projects\lockedmecom\default\temp
*****

1. Stay default directory and continue
2. Change directory
3. Make a new directory

```



```

Please enter your choice.
*****
Default path is: C:\Users\vivic\my_applications\my-java-projects\lockedmecom\default\temp
*****

1. Stay default directory and continue
2. Change directory
3. Make a new directory
4. Previous
5. Main menu
4
+-----+
Please enter your choice.
+-----+

1. Add a new file
2. Delete a file
3. Search a file
4. Main menu
5
Invalid selector, Please enter again.
4
+-----+
Please enter your choice.
+-----+

1. Retrieve all files
2. Manipulate files
3. Exit
1
*****
All directories.
*****
hcl
java
temp
test
*****
Please confirm your folder by entering the folder name from above list.
*****
temp
*****
Here are all your files:
*****
99.txt
music.txt
sports.txt
study.txt
tuesday.txt
+-----+
Please enter your choice.
+-----+

1. Retrieve all files
2. Manipulate files
3. Exit
2
+-----+
Please enter your choice.
+-----+

```

```

tuesday.txt
+-----+
Please enter your choice.
+-----+

1. Retrieve all files
2. Manipulate files
3. Exit
2
+-----+
Please enter your choice.
+-----+

1. Add a new file
2. Delete a file
3. Search a file
4. Main menu
1
+-----+

Please enter your choice.
*****
Default path is: C:\Users\vivic\my_applications\my-java-projects\lockedmecom\default\temp
*****

1. Stay default directory and continue
2. Change directory
3. Make a new directory
4. Previous
5. Main menu
2
*****
All directories.
*****
hcl
java
temp
test
*****
Please confirm your folder by entering the folder name from above list.
*****
hcl
*****
Please enter your file name.
*****
food
*****
food File created.
*****
+-----+

Please enter your choice.
*****
Default path is: C:\Users\vivic\my_applications\my-java-projects\lockedmecom\default\temp
*****

1. Stay default directory and continue
2. Change directory
3. Make a new directory

```

```

Please enter your file name.
*****
food
*****
food File created.
*****
+-----+

Please enter your choice.
*****
Default path is: C:\Users\vivic\my_applications\my-java-projects\lockedmecom\default\temp
*****

1. Stay default directory and continue
2. Change directory
3. Make a new directory
4. Previous
5. Main menu
5
+-----+
Please enter your choice.
+-----+

1. Retrieve all files
2. Manipulate files
3. Exit
1
*****
All directories.
*****
hcl
java
temp
test
*****
Please confirm your folder by entering the folder name from above list.
*****
hcl
*****
Here are all your files:
*****
food.txt
python.txt
ruby.txt
+-----+
Please enter your choice.
+-----+

1. Retrieve all files
2. Manipulate files
3. Exit
2
+-----+
Please enter your choice.
+-----+

1. Add a new file
2. Delete a file
3. Search a file

```



```

2. Manipulate files
3. Exit
2
+-----+
Please enter your choice.
+-----+

1. Add a new file
2. Delete a file
3. Search a file
4. Main menu
1
+-----+
Please enter your choice.
*****
Default path is: C:\Users\vivic\my_applications\my-java-projects\lockedmecom\default\temp
*****

1. Stay default directory and continue
2. Change directory
3. Make a new directory
4. Previous
5. Main menu
3
Enter the name of the desired a directory:
school
*****
New directory created successfully!
*****
+-----+

Please enter your choice.
*****
Default path is: C:\Users\vivic\my_applications\my-java-projects\lockedmecom\default\temp
*****

1. Stay default directory and continue
2. Change directory
3. Make a new directory
4. Previous
5. Main menu
5
+-----+
Please enter your choice.
+-----+

1. Retrieve all files
2. Manipulate files
3. Exit
1
*****
All directories.
*****
hcl
java
school

```

```

1
*****
All directories.
*****
hcl
java
school
temp
test
*****
Please confirm your folder by entering the folder name from above list.
*****
school
*****
Here are all your files:
*****
=====
NO FILE YET. You can add a new file by following the instructions.
=====
+-----+
Please enter your choice.
+-----+

1. Retrieve all files
2. Manipulate files
3. Exit
2
+-----+
Please enter your choice.
+-----+

1. Add a new file
2. Delete a file
3. Search a file
4. Main menu
1
+-----+

Please enter your choice.
*****
Default path is: C:\Users\vivic\my_applications\my-java-projects\lockedmecom\default\temp
*****

1. Stay default directory and continue
2. Change directory
3. Make a new directory
4. Previous
5. Main menu
4
+-----+
Please enter your choice.
+-----+

1. Add a new file
2. Delete a file
3. Search a file
4. Main menu

```

```

4. Main menu
2
please enter directory name
wrong typing
Folder name is wrong, please try again.
+-----+
Please enter your choice.
+-----+

1. Add a new file
2. Delete a file
3. Search a file
4. Main menu
2
please enter directory name
hcl
please enter file name
food
food.txt deleted
+-----+
Please enter your choice.
+-----+

1. Add a new file
2. Delete a file
3. Search a file
4. Main menu
2
please enter directory name
hcl
please enter file name
food
File not found, case sensitive, please try again.
+-----+
Please enter your choice.
+-----+

1. Add a new file
2. Delete a file
3. Search a file
4. Main menu
4
+-----+
Please enter your choice.
+-----+

1. Retrieve all files
2. Manipulate files
3. Exit
1
*****
All directories.
*****
hcl
java
school
temp
test

```

```

*****
Please confirm your folder by entering the folder name from above list.
*****
temp
*****
Here are all your files:
*****
99.txt
music.txt
sports.txt
study.txt
tuesday.txt
+-----+
Please enter your choice.
+-----+

1. Retrieve all files
2. Manipulate files
3. Exit
2
+-----+
Please enter your choice.
+-----+

1. Add a new file
2. Delete a file
3. Search a file
4. Main menu
2
please enter directory name
temp
please enter file name
MUSic
File not found, case sensitive, please try again.
+-----+
Please enter your choice.
+-----+

1. Add a new file
2. Delete a file
3. Search a file
4. Main menu
2
please enter directory name
temp
please enter file name
music
music.txt deleted
+-----+
Please enter your choice.
+-----+

1. Add a new file
2. Delete a file
3. Search a file
4. Main menu
3
please enter directory name where you want to search.

```

```
LockedMeManager
C:\Program Files\Java\jdk-14.0.2\bin\java.exe [Dec 14, 2020, 4:42:40 AM - 6:49:52 AM]
2. Delete a file
3. Search a file
4. Main menu
5
please enter directory name
temp
please enter file name
music
music.txt deleted
----->
Please enter your choice.
----->

1. Add a new file
2. Delete a file
3. Search a file
4. Main menu
5
please enter directory name where you want to search.
temp
please enter the file name which you want to search.
music
File not found, case sensitive, please try again.
----->
Please enter your choice.
----->

1. Add a new file
2. Delete a file
3. Search a file
4. Main menu
5
please enter directory name where you want to search.
temp
please enter the file name which you want to search.
sports
Found it! C:\Users\vivic\my_applications\my-java-projects\lockedmecon\default\temp\sports.txt
----->
Please enter your choice.
----->

1. Add a new file
2. Delete a file
3. Search a file
4. Main menu
5
----->
Please enter your choice.
----->

1. Retrieve all files
2. Manipulate files
3. Exit
9
Invalid selector, Please enter again.
5
Thank you for visiting LockedMe.com. We hope to see you soon!
6
```