# Project Name: LockedMe.com

# Developer details:

• Developer name: Vivica Ma

Developer company: HCL TechnologiesDeveloper email: vivica.ma@hcl.com

• Developer github: <a href="https://github.com/chefvivica">https://github.com/chefvivica</a>

## 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

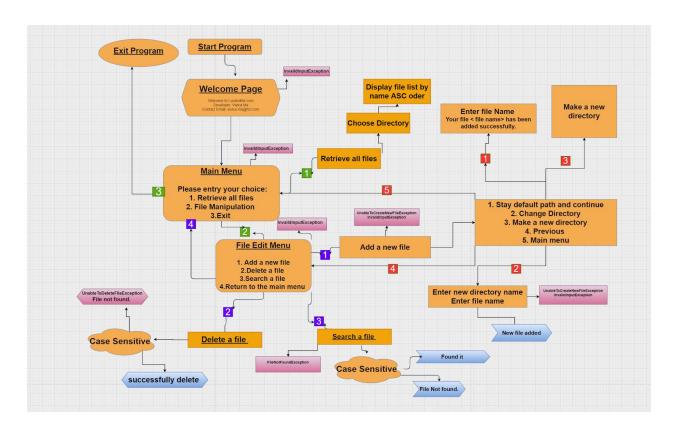
#### Sprint 2:

- 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
                    Develper name: Vivica
                 Contact email: vivica.ma@hcl.com
**********************************
Please enter your choice.
1. Retrieve all files
2. Manipulate files
3. Exit
Please enter a number
All directories.
hcl
java
temp
test
******************************
Please confirm your folder by entering the folder name from above list.
Here are all your files:
python.txt
Please enter your choice.
1. Retrieve all files
2. Manipulate files
3. Exit
All directories.
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java
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Please confirm your folder by entering the folder name from above list.
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2. Manipulate files
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2. Delete a file
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Please enter your choice.
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2. Change directory
3. Make a new directory
4. Previous
5. Main menu
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sports.txt
study.txt tuesday.txt
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2. Change directory	
3. Make a new directory	

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2. Delete a file
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4. Previous
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+
Please enter your choice.
Default path is: C:\Users\vivic\my_applications\my-java-projects\lockedmecom\default\temp ************************************
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4. Previous
5. Main menu 5
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2. Manipulate files
3. Exit
All directories.
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hcl java
school

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temp test

Please confirm your folder by entering the folder name from above list.
temp
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99.txt
music.txt sports.txt
study.txt
tuesday.txt ++
Please enter your choice.
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Thank you for visiting LockedMe.com. We hope to see you soon!	Invalid selector, Please enter again.	
	Thank you for visiting LockedMe.com. We hope to see you soon!	