

LockedMe.com

Project and developer details

Company name : Company Lockers Pvt. Ltd.

Business goal : Company Lockers Pvt. Ltd. aims to digitize the company products. LockedMe.com is the first prototype high-end application aimed to be showcased to relevant stakeholders for budget approvals.

Developer details:

Name	Nirosh Prakash
Designation	Full stack developer
Company	Company Lockers Pvt. Ltd.

Sprint planning

Sprint 0:

- Requirements gathering.
- Requirements analysis.
- Project estimation.
- Development sprints planning.

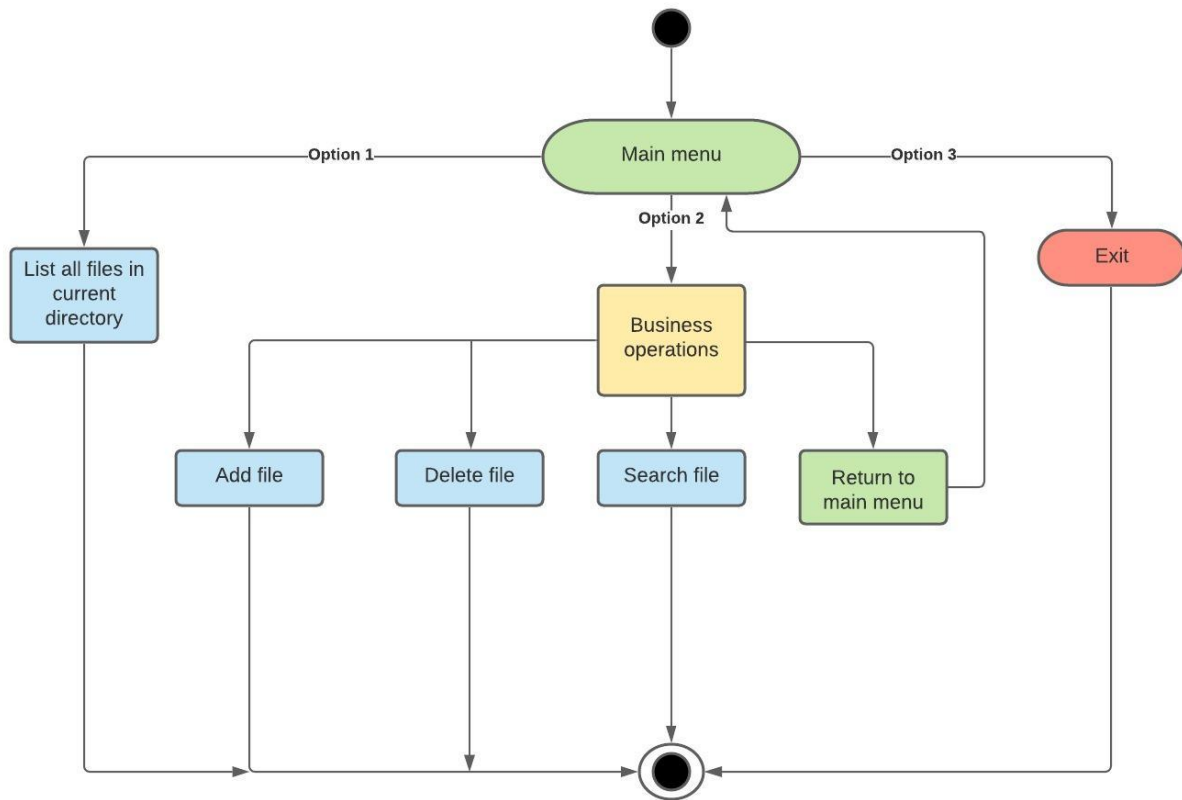
Sprint 1:

- Setting up of codebase.
- Creating a github repository and push the code base.
- Development tasks:
 1. Implement Virtual Key main class and add menu functionality.
 2. Implement list files functionality and add it to utils class.
 3. Implement business operations and add it to operations class.
 4. Unit testing.
 5. Code commit and push to remote repository.

Sprint 2:

- Create specification document with flow of application and flow chart.
- List core concepts and algorithms beings used in the application.
- Bug fixes.

Application flowchart



Core concepts used in the project

Language used for development : Java

Key core concepts:

- Object oriented programming in Java.
- Use of Scanner class to read user input from console.
- Control statements.
- Exception handling.
- Collections and sorting.
- Class File and its methods.

Product capabilities

LockedMe.com is a simple menu driven Java application which reads the user input from the console and is capable of performing the following operations:

1. Retrieve the file names in ascending order.
2. Business level operations:
 - Add a user specified file from the application
 - Delete a user specified file from the application
 - Search a user specified file from the application
 - Navigation to close the current execution context and return to the main context
3. Close the application.

Snapshots

Main menu:

Welcome to LockedMe.com

```
*****Developer details*****
Developer name: Nirosh Prakash
Developer company: Company Lockers Pvt. Ltd.
*****
```

```
***Please select from the below options:
1-Retrieve file names in ascending order
2-Business level operations (Add, Delete and Search)
3-Close application
```

Retrieving file names:

Welcome to LockedMe.com

```
*****Developer details*****
Developer name: Nirosh Prakash
Developer company: Company Lockers Pvt. Ltd.
*****
```

```
***Please select from the below options:
1-Retrieve file names in ascending order
2-Business level operations (Add, Delete and Search)
3-Close application
```

```
1
The current filenames are:
.classpath
.git
.gitignore
.project
.settings
README.md
pom.xml
src
target
```

Business operations:

```
****Please select from the below options:
1-Retrieve file names in ascending order
2-Business level operations (Add, Delete and Search)
3-Close application
2
****Please select from the below business operations:
1-Add a file to the existing directory list
2-Delete a user specified file from the existing directory list
3-Search a user specified file from the main directory
4-Return to main menu
1
Please enter the filename you want to create:
a.txt
File created: a.txt
Thank you for using the LockMe.com application!
```

Closing the application:

```
Welcome to LockedMe.com

*****Developer details*****
Developer name: Nirosh Prakash
Developer company: Company Lockers Pvt. Ltd.
*****

****Please select from the below options:
1-Retrieve file names in ascending order
2-Business level operations (Add, Delete and Search)
3-Close application
3
Thank you for using the LockMe.com application!
```

Git repository : <https://github.com/niroshprakash1995/LockedMe.com>

Conclusion

The prototype application development for Company Locker Pvt. Ltd. Has laid the necessary foundation to enhance and build a complete product in the future. Some of the key enhancements to the application that can be added include:

1. Functionality to allow modification of file contents.
2. Provide a rich user experience through front end development.
3. User access management with necessary access rights for specific users in the organization.

The relevant stakeholders can review the current functionality and implementation and plan a full-fledged product development and release in the future.