

LockedMe.com Specification Document

Company Strategy: Lockers Pvt. Ltd. want to digitise all their products.

Release 1.0: Digitize LockedMe.com.

Release 0.5: Create prototype of LockedMe.com digitization.

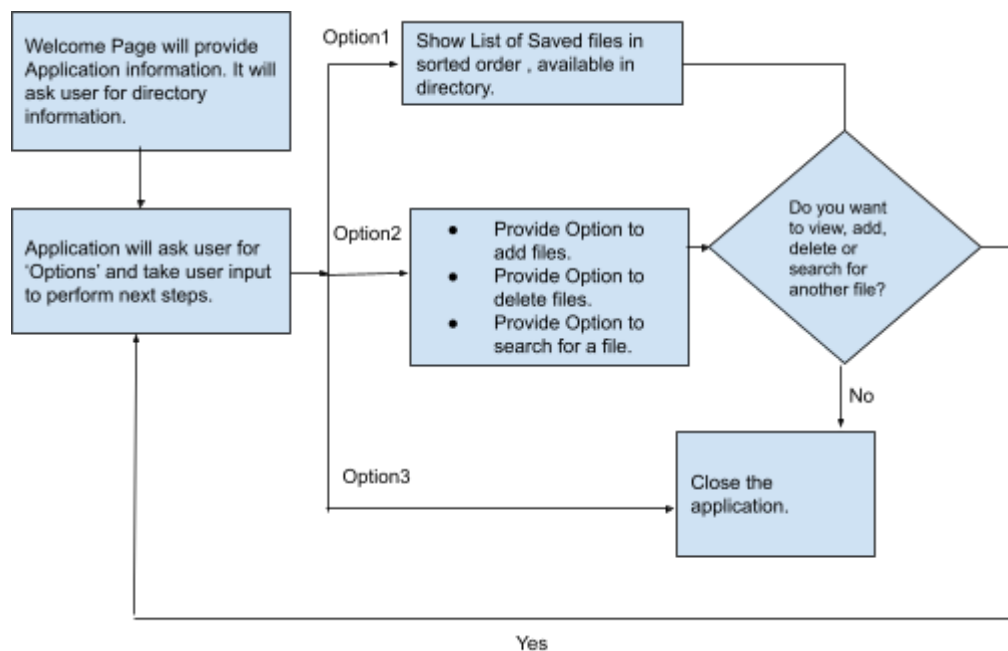
Product Backlog , Sprint and User Stories :

- Connect to a directory as specified by the user.
- Retrieving the file names in an ascending order, from the directory, via the application.
- 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.

Business Requirement	Details	Comment
Welcome Page	<ul style="list-style-type: none">● Application name and the developer details● The details of the user interface such as options displaying the user interaction information● Features to accept the user input to select one of the options listed	Sprint1->User Story 1
Users should be able to retrieve filename in ascending order.	<ul style="list-style-type: none">● The first option should return the current file names in ascending order. The root directory can be either empty or contain few files or folders in it	Sprint1->User Story2
Option to add user specified file.	<ul style="list-style-type: none">● You can ignore the case sensitivity of the file names	Sprint1->User Story3
Option to delete user specified file.	<ul style="list-style-type: none">● You can add the case sensitivity on the file name in order to ensure that the right file is deleted from the directory list● Return a message if FNF (File not found)	Sprint2->User Story1
Option to search user specified file.	<ul style="list-style-type: none">● You can add the case sensitivity on the file name to retrieve the correct file● Display the result upon successful operation● Display the result upon unsuccessful operation.	Sprint2->User Story2

Navigation option to close the current execution context and return to the main context		Sprint2->User Story3
Option to close the application.		Sprint2->User Story4

Flow Chart for implementation LockedMe.com digitization:



Core concepts and algorithm used in the project:

- (i) In order to read user inputs , we will import 'java.util.Scanner' package.
- (ii) In order to use add, delete ,search and list files from a directory , we import the following package: 'java.io.File'
- (iii) In order to display file names in a sorted ascending order we use : TreeSet. We will save File names in a TreeSet before displaying them.
- (iv) In order to add files , we use File method ->createNewFile() . To delete files, we use the method-> delete(). In order to search for files , we use the method-> listFiles(FilenameFilter() filter).