**SPRINT PLANNING & Application Specifiaction**

**Application Link:** **https://github.com/Aman040/Company\_Locker\_Pvt\_Ltd**

**Developer Details:**

Aman Chaurasia-Full Stack Java Developer (1.7 years experience)

Organisation –TCS

**Project:**Lockme.com

**Sprint Planning:**

**Sprint 1:(Week 1)**

* **Concept Clarification**
* LockedMe.com is a project Company Lockers Pvt. Ltd. LockedMe.com is a prototype of the application and the user interaction will be via a command line.
* Setting up Git and GitHub account to store and track your enhancements of the prototype
* Java concepts will be used in the project
* Company Lockers Pvt. Ltd. needs a high-end quality product as early as possible
* **Document Specification**
* **Product Capability:**

1. Feature of retrieving the file names in an ascending order
2. Opertaions-
3. Option to add a user specified file to the application
4. Option to delete a user specified file from the application
5. Option to search a user specified file from the application
6. Navigation option to close the current execution context and return to the main context
7. Option to close the application

* **Appearance, and user interactions:**

The user interaction will be via a command line.

**Sprint 2:(Week 2)**

* **Core Concept Used(Java)**
* Classes and Objects
* Loops(for and while) and conditional statements(if ,if-else,switch)
* File Handling
* Exception(try-catch,throws)
* Data Structures(List,ArrayList,Arrays) **&** Searching(Linear Search)
* Collections(Sorting)
* **Developing:**
* Day 4:

1. Display the welcome screen.
2. Application name and the developer details
3. The details of the user interface such as options displaying the user interaction information
4. Features to accept the user input to select one of the options listed

* Day 5:
  1. First option to return the current file names in ascending order.
  2. The root directory can be either empty or contain few files or folders in it
* Day 6:
  1. Add a file to the existing directory list
  2. Delete a user specified file from the existing directory list
* Day 7:
  + 1. Search a user specified file from the main directory
    2. Option to navigate back to the main context
    3. Option to close the application

**Sprint 3:(Week 3)**

* **Exception Handling**

All exceptions are handled using either try-catch block or throw so application should not close, exit, or throw an exception if the user specifies an invalid input.

* **Testing**

Error, fault and failures are handled while manual testing the application.

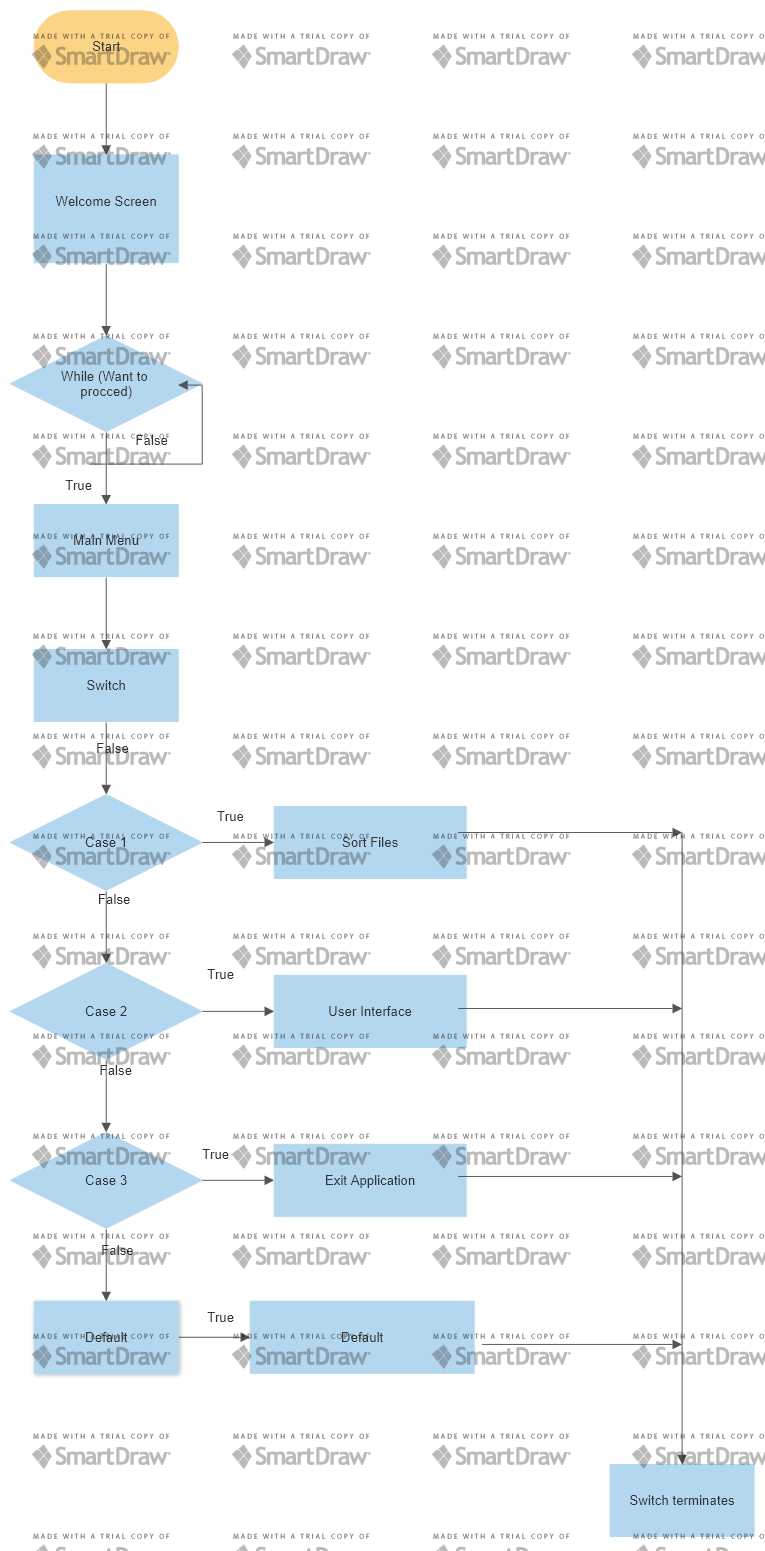
Manual testing is done by provining variations of input and conditions.

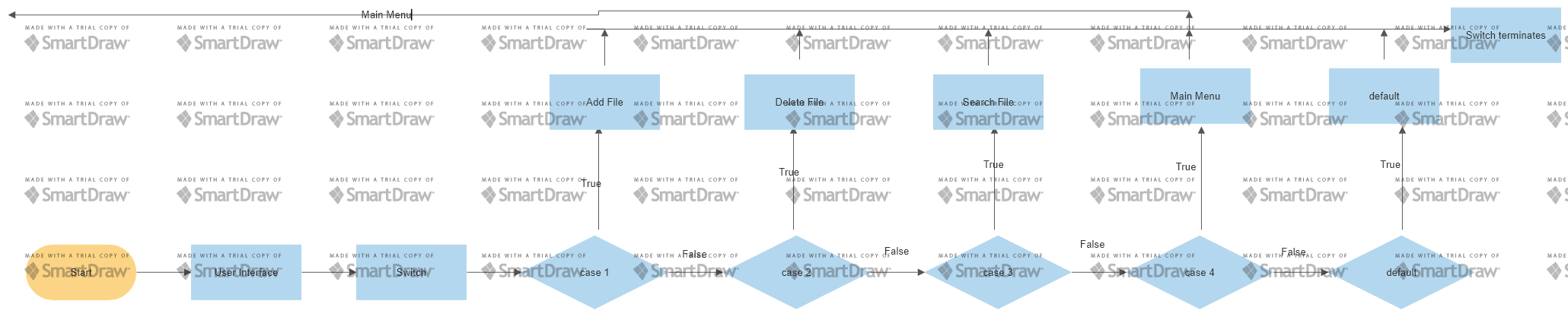
* **Product Release**

The final product is pushed to git hub through Git .

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**Algorithms and Flow Chart**



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