**TECHNICAL SPECIFICATION DOCUMENT:**

**Developed by:** Andrea Mydosh

1. **LockedMe Pvt. Ltd. Digital Lockers** 
   1. **Create a digital platform for storage of user (client) credential information.** 
      1. **Tech Stack:**
         1. Language: Java
         2. File Handling
            1. Read / Write / Add / Delete Files
         3. Exception Handling
         4. HashMap
2. **Architecture Diagram / Flow Chart:**

**Diagram

Description automatically generated**

1. **Project User Stories (Agile & Scrum):**
2. As a developer, I want to build a login page that allows for clients to login or register to the system.
3. As a developer, I want to build a login page that allows for admin users to login to the system to manage user accounts.
4. As a developer, I want to authenticate user credentials to their secure digital locker.
5. As a developer, I want to present the user with main menu options to create, modify, or delete their stored credentials; or to return to the main menu.
6. As a user, I want to be able to view my credentials.
7. As a user, I want to be able to store new credentials.
8. As a user, I want to be able to delete my credentials.
9. As a user, I want to be able to modify my existing credentials.

**Sprint 1 ( 1week)**

1. As a developer, I want to build a login page that allows for clients to login or register to the system.
2. As a developer, I want to build a login page that allows for admin users to login to the system to manage user accounts.
3. As a developer, I want to authenticate user credentials to their secure digital locker.
4. As a developer, I want to present the user with main menu options to create, modify, or delete their stored credentials; or to return to the main menu.

**Sprint 2 (1 week):**

1. As a user, I want to be able to view my credentials.
2. As a user, I want to be able to store new credentials.
3. As a user, I want to be able to delete my credentials.
4. As a user, I want to be able to modify my existing credentials.
5. **Project git Repositories:**

**1. Link :** https://github.com/amydosh/Project1\_080421/tree/master

**2. Clone git:** git@github.com:amydosh/Project1\_080421.git

**3. Screen shot:**

A screenshot of a computer

Description automatically generated with medium confidence

1. **How to run project:**

**1. Clone project**

Clone git : git@github.com:amydosh/Project1\_080421.git

**2. Open** Project1\_080421 🡪 Project1 🡪 menu 🡪 menuOptions.java

🡪 Right click 🡪 Run as: Java Application

**3. Credentials:**

**Run as admin:** username = admin1 password = password1

**Run as user:**  username = darthvader password = DVlmPW

1. **Source Code Files:**
   1. menuOptions.java
   2. UserFiles/
   3. UserFiles/darthvader.txt
2. **Output Screenshot:**

**Initial Welcome and Login Screen:**

**Text

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**Example of user account login (*darthvader*):**

**Text

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**Example of admin account login (admin1):**

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1. **Opportunities for Improvement:** 
   1. **Text formatting:** Format the text in the user credential files to bold/italicize/etc. so that it is more aesthetically pleasing
   2. **General Aesthetics:** Format the application such that it clears the screen when a new sub-menu is entered
   3. **Security:** Provide additional layers of security/encryption to protect user and admin data
   4. **Application Appeal:** Add logo and other graphics to the main menu
   5. **Application Accessibility:** Create mobile apps that are useable/accessible through various OS’s