1. **INTRODUCTION**

The introduction provides an overview of the entire SRS with purpose, scope, definitions, and references. The SRS aims to provide guidelines for how the project will be deemed successful and how these concepts and ideas will be created effectively. It provides a detailed overview of our software product, its parameters and goals.

* 1. **PURPOSE**

The purpose of this document is to gather, analyze and given an in-depth insight of Password Wallet which is a password manager that helps us to manage our passwords in a secure way. We can put all your passwords in one database, which is locked with one master key. This application provides all required functionalities to the users for adding , modifying and deleting passwords in an interactive manner.

* 1. **DOCUMENT CONVENTION**

The following document conventions have been used to ensure the easy of readability

Font: Times New Roman

Main Headings- Font size 16, Bold

Sub-Headings- Font size 14, Bold

Sub-sub-headings- Font size 12, Initial Capital letters

* + 1. **Definitions**
* Button- A user interface element that allows user to click and inform the system to take an action
* Checkbox- A user interface element that allows a user to inform the system that they have selected a particular item.
* User- The person who operate the software product.
* Title- The website or URL for which the password is stored.
* GUI- Graphical User Interface
* Open Source Software- Software for which the code is freely available for use and research.
* API- Application Programming Interface
* JDK- Java Development Kit
  1. **PROJECT SCOPE**

The scope of the project “Password Wallet” is to provide users an option of integrating the features of flexibility and security into their password storage. Our application makes it very easy for users to work maintain multiple accounts having different passwords without the concern of having to remember all those passwords. It aims at replacing the traditional alternative of writing down all passwords where security is a major concern. Therefore our strong encryption and hashing techniques takes care of the security issues of the password.

* 1. **REFERENCES**

MCQA.mdl(Rational Rose UML diagrams)

**2. OVERALL DESCRIPTION**

The description of the product includes a discussion about its features, types of users to whom the application may be useful, the environment in which the application can be operated etc.

**2.1 PRODUCT PERSPECTIVE**

Password Wallet is a self-contained product which can help users and organizations from diverse realms in managing their passwords which may either be passwords used by the organization or online passwords. Every user has to sign up by creating an account initially and later log in to use all the functionalities of this application.

**2.2 PRODUCT FEATURES**

The main function of Password Wallet is to allow its users a secure storage and retrieval of their passwords.

The user can add any number of passwords to his account which gets encrypted and stored in the database. He can then modify those passwords which also get changed in the database or even delete them permanently. The passwords can be viewed at any time by the user by giving the appropriated title.

**2.3 User Classes and Characteristics**

* Open Source Community

The open source community is expected to be the main user class of this application. Nowadays, with the dawn of social networking site, online study forums and communities, passwords have become an entry card for every site. Thus, our application comes handu to these users.

* Programmers

The next class of users is programmers who are people who constantly surf the net and are expected to use this product. Programmers have to deal with multiple accounts and sites and hence will have to maintain multiple passwords.



* General Users

It is quite known that every common man has loads of passwords to maintain in banks, offices, online accounts etc. So, we expect users which may include students, employees or anyone who is acquainted with the digital world to find this application useful.

**2.4 OPERATING ENVIRONMENT**

Operating System- Windows 95/98/2000/XP/8/8.1

**2.2.5 DESIGN AND IMPLEMENTATION CONSTRAINTS**

In the time which was available to us, we have tried to implement all possible security features in the product. In our database, the password fields are encrypted. As an added security, the whole database can be encrypted including User ID fields.

**3 SYSTEM FEATURES**

This section of the SRS describes all the functionalities that the product provides with a detailed instructions guide to the users of how to use those features.

**3.1 CREATE ACCOUNT**

Every user has to initial create his or her personalized user account.

**3.1.1 Description and Priority**

There is a form that the user has to fill up which consists of his user-name and password. He can then log into his account using this username and password.

Priority-High Priority

**3.1.2 Stimulus/Response Sequences**

Launch Application ­­­­­­­­­­­­­­­­­🡪 Click Sign Up🡪 Fill the form 🡪 Submit

**3.2 LOGGING IN**

This is the step where the user enters into his account by entering his credentials.

**3.2.1 Description and Priority**

The user is asked to enter his username and password. If the entered fields match the fields in the database then the user is given access to his account. Else, he has to re-enter his credentials.

**3.2.2 Stimulus/Response Sequences**

Launch Application 🡪Enter Username and Password 🡪 Click Login

**3.3 ADDING PASSWORDS**

This feature allows users to add passwords to his account.

**3.3.1 Description and Priority**

After logging into his account the user can add any number of passwords and each password should have an associated title with it. These passwords can later be viewed, modified or deleted by the user.

**3.3.2 Stimulus/Response Sequences**

Login🡪Click Manage🡪Click Add Password🡪Fill the details🡪Click Submit

**3.4 MODIFYING PASSWORDS**

The user can replace existing password with new passwords.

**3.4.1 Description and Priority**

This is an important feature as every user needs to constantly change his passwords. This can be done by modify password button. The old password is replaced by the new password.

**3.4.2** **Stimulus/Response Sequences**

Login🡪Click Manage🡪Click Modify Password🡪Select Title 🡪Click Submit

**3.5 DELETING PASSWORDS**

The user can remove existing passwords once he doesn’t need them.

**3.5.1 Description and Priority**

Once a user does not need a password anymore, he can delete that password from the database. This is also a necessary feature as users create a lot of temporary accounts. Once the need of the account is over, the password is also useless.

**3.5.2 Stimulus/Response Sequences**

Login🡪 Click Manage🡪 Click Delete Password🡪 Select Title 🡪 Click Delete

**3.6 VIEWING PASSWORDS**

The user can retrieve the stored passwords.

**3.6.1 Description and Priority**

The user can view his password anytime by selecting the appropriate title. These titles are names of the sites or accounts of which the user wants to retrieve the password.

**3.6.2 Stimulus/Response Sequences**

Login 🡪 Click View 🡪 Select Title 🡪 Click View Password

**3.7 HELP B**

**3.7.1 Description and Priority**

This feature is a user guide which gives a brief description of how to use the application. The Help button is present on every screen for the user.

3.7.2 **Stimulus/Response Sequences**

Click Help button at the bottom of the screen.