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## **Deliverable 1.**

Application Domain: Personal data. Application Name: Password manager

Description: The application is a CLI based password manager, in which the user can create, add, modify, and delete different records. The records include payment methods, logins and secure notes. The user will access the system with a unique master password.

Requirements of the application:

- Persons are the users of the application
- Each person has a unique username
- Each person has their master password, master password is a String. Two master passwords of two different persons may be the same.
- Users should be able to modify their master password.
- Users cannot delete their master password.
- Each person can have multiple records about logins, cards and secure notes saved on their account.
- Only the person that created a record can access it.
- Each record about login has the following attributes - name (unique), username, password, URI, note.
- Users can choose to generate a random password for a given record.
- Each record about a card has the following attributes - name (unique), cardholder name, number (unique), brand, like VISA or Mastercard, expiration date, security code.
- Each record about a secure note has the following attributes - name (unique), text.
- All of the attributes are strings.
- Users should be able to add a new record, delete or modify an existing record.