

**STOPIC**

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# Introduction

## Purpose:

## Document conventions:

## Intended audience and reading suggestions:

## Project scope:

## References:

# Overall Description

## Product perspective:

## Product functions:

### Public functions:

### Admin functions:

## Product features: SQL diagram

## Use case diagram:

## Use case specification: (UC table)

|  |  |  |  |
| --- | --- | --- | --- |
| ID and Name: | **UC-1 Login** | | |
| Created By: |  | Created Date: | 6/7/2022 |
| Primary Actor: | Users | Secondary Actors: |  |
| Description: | A method allows users to login into the system and perform some functions . | | |
| Trigger: | A method indicates that user wants to login into the system and already have an account. | | |
| Preconditions: | PRE-1. User accessed the login page.  PRE-2. User already has an account.  PRE-3. The user's device has a network connection. | | |
| Postconditions: | POST-1. User login successfully.  POST-2. The system notify to the User. | | |
| Normal Flow: | 1. The user accesses the login page. 2. The user input their account information. 3. The system validates the credentials successfully and allows the user to access the application. 4. The system notify to the User. | | |
| Alternative Flows: | None | | |
| Exceptions: | 3a. The system validates the login failed and displays a message.  3a1. The user chooses to cancel the login.  *(Use Case stop)*  3b. The user chooses Forget password.  *Use Case continue to Use Case UC-3*  3c. The user chooses Register  *Use Case continue to Use Case UC-2* | | |
| Priority: | High | | |
| Business Rules: | BR-1, BR-4, BR-8, BR-9 | | |
| Non-function: | 1. User password must be hashed by HMACSHA1. | | |

|  |  |  |  |
| --- | --- | --- | --- |
| ID and Name: | **UC-2 Register** | | |
| Created By: |  | Created Date: | 6/7/2022 |
| Primary Actor: | Users | Secondary Actors: |  |
| Description: | A method allows users to register an account. | | |
| Trigger: | A method indicates that he/she wants to register an account. | | |
| Preconditions: | PRE-1. User accessed the register page.  PRE-2. User fills in the correct account information.  PRE-3. The user's device has a network connection. | | |
| Postconditions: | POST-1. User registered successfully.  POST-2. System will check the input account infomation.  POST-3. The system notify to the User. | | |
| Normal Flow: | 1. The user accesses the register page. 2. The user input their account information. 3. The system validates the information successfully. 4. The system notify to the User. | | |
| Alternative Flows: | None | | |
| Exceptions: | 3a. The system validates the register failed and displays a message.  3a1. The user chooses to cancel the register.  *(Use Case stop)*  3b. The user chooses Login.  *Use Case continue to Use Case UC-1* | | |
| Priority: | High | | |
| Business Rules: | BR-3, BR-4, BR-8, BR-9, BR-12 | | |
| Non-function: | 1. User password must be hashed by HMACSHA1. | | |

# System features

## Functional requirements:

* + 1. Business rules:
       - …
       - …
    2. Transaction corrections, adjustments, and cancellations:  
       *These requirements examine every transaction’s entry, changing, deleting, canceling, and error checking.*
    3. Authentication functions:  
       They concern the information users share with the system and their authentication level.
    4. Authorization levels:  
       These functions determine various system access levels and decide who can CRUD (change, read, update, or delete) information.
    5. Searching/reporting requirements:  
       This section of requirements will tell you how users can search and retrieve data.
    6. Compliance, legal, or regulatory requirements   
       These are laws, regulations from the government, and even internal policies that the organizations and their systems must follow.

# Non-Function Features

## Performance requirements:

## Safety requirements:

## Security requirements:

## Software quality attributes: