# Use Case To Do List App

**Use Case:** To do list

**Id**: UC- 1

**Level:** Summary

**Primary Actor:** Customers

**Supporting Actors:** DB Admin, App Developer

**Description**

Customers must login before they are able to use the system. Customer who does not have account must register before they are able to login. The welcome screen will display some options such as add to-do item, remove item, or logout. This screen will also display the whole list of items. Internet connection is required.

**Pre-Conditions**

Customer must be logged in to system (username and password)

**Post Conditions**

* Success end condition
  + Customers logged in to the system and their to-do list is displayed
* Failure end condition:
  + If password is invalid, customers have 5 chances to provide correct password, if not account will be blocked. If user cancels operation, the screen will display login and register screen
* Minimal Guarantee
  + Customer is logged out of the system after 5 minutes idle. This minimum guarantee ensures that the system will ensure that no unauthorized users can enter the system and no data will be compromised

**Trigger**

Customer input their username and password and internet connection is required

## Main Success Scenario

1. Login successful
2. Main menu displayed
3. Customer add/remove item
4. Item removed/ added to the list
5. Customer logout
6. Returns to login screen/ exit app

## Extensions

1. Login unsuccessful/ wrong password or username
2. Login screen is displayed again
3. Login successful/ password and username is correct
4. Main menu is displayed
5. Logout screen is displayed

## Variations

Customers may enter information through voice instead of keypad. Customers may also change language to the desired language on login screen

**Frequency:** Around 120 per hour

**Assumptions**

The customers understand English or other available languages.

## Special Requirements

Performance

1. The item added or removed within reasonable time (< 3 seconds)

User Interface

1. The screen shall display all options available
2. The height of letters displayed on the display console shall not be smaller than 12 pixels.

Security

1. The system shall display the letters of password in a masked format when they are entered by the customer i.e. Mask the password with characters such as \*\*\*\*
2. The system will allow user to logout at any point and take customer to login page
3. The system shall print the customer’s name on the top to ensure user is correct

## Issues

1. What is the maximum size of the password?
2. How many attempts are allowed before account will be blocked?
3. How if customer inserts wrong username/password?
4. How if customer forgot username/password?