

# **TODO List Manager on Steroids**

## **Design Model Document**

### **Team 3.09**

## **1. Introduction**

The goal of the project is to extend the existent TODO List Application on Android to a Web application and to provide sync functionalities between the Android and the Web application, thereby enhancing the user-experience.

## **2. Design Considerations**

### **2.1 Assumptions**

- The user is aware of the synchronization consequences when the updated items on one platform overwrite the items on another platform and when new items on one platform are copied on to the other machine.
- Network connection is available on both platforms.
- The conflict handling policy is inclined towards the centralized database.

#### **MTM:**

- The user must have a compatible Android device
- The user must be comfortable using Android devices via a touch screen interface
- The user has enough memory to run the application on his/her device.
- The user has adequate hardware resources to run the program at a reasonable speed

#### **WTM:**

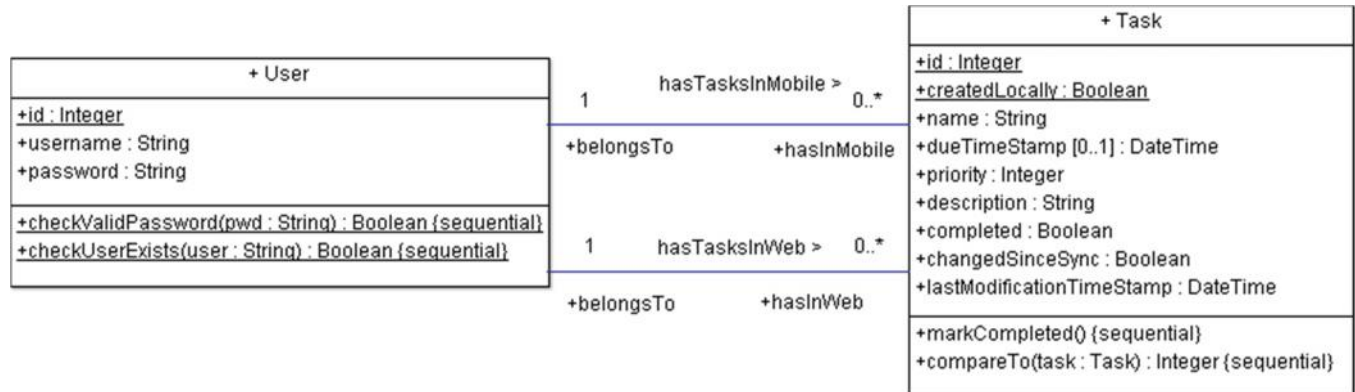
- The user must have a Standard web browser to operate from
- The user should be able to handle and understand the graphical user interface provided.

## 2.2 Constraints

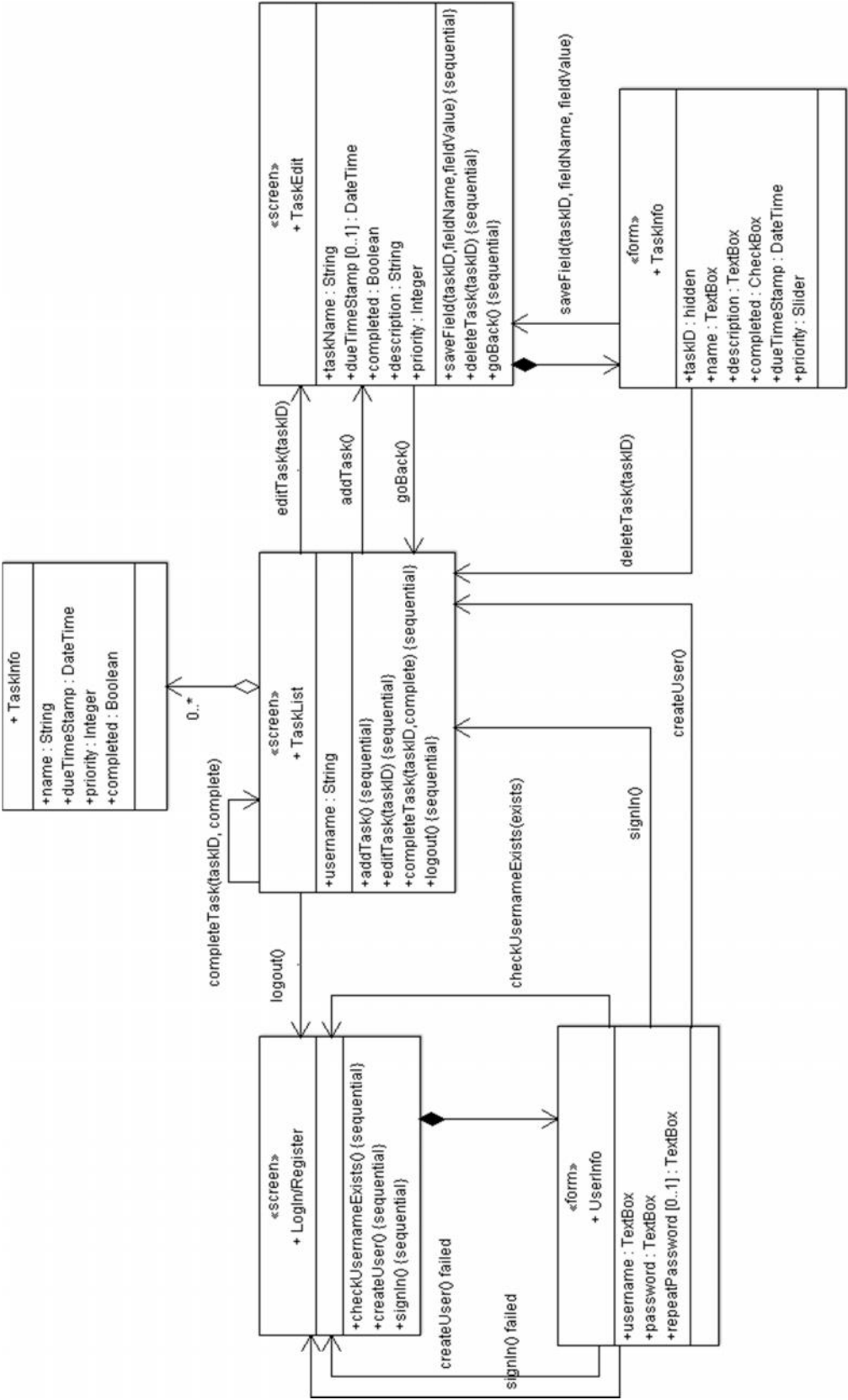
- Network connection must be available to perform sync on the mobile platform.
- Network connection must be available on the Web platform throughout.

## 3. Low Level Design

### 3.1 Class Diagram

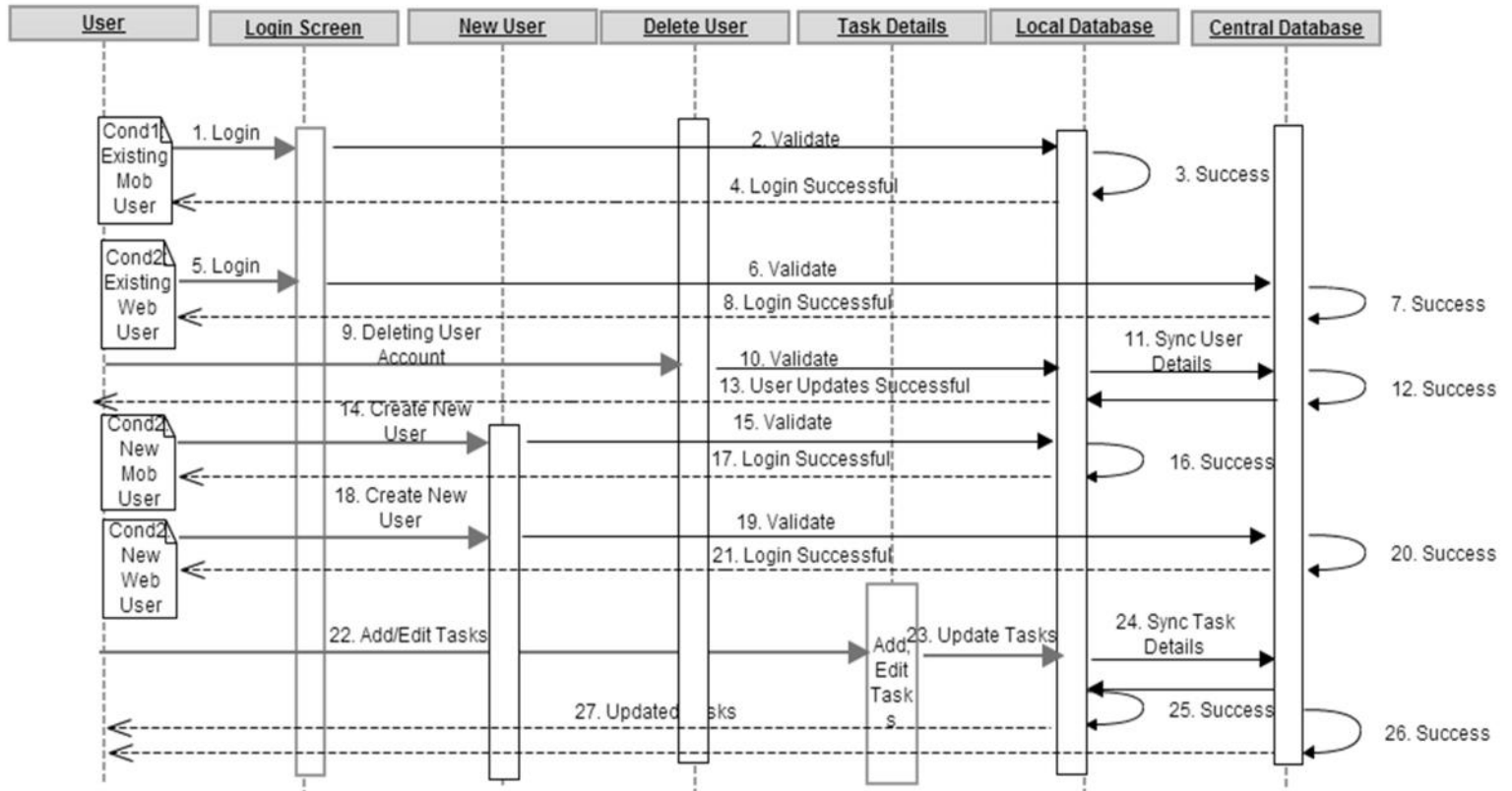


UX Model



## 3.2 Sequence Diagram

### Sequence Diagram



### 3.3 Component Diagram

