

# TODO List Manager on Steroids

## Traceability Document

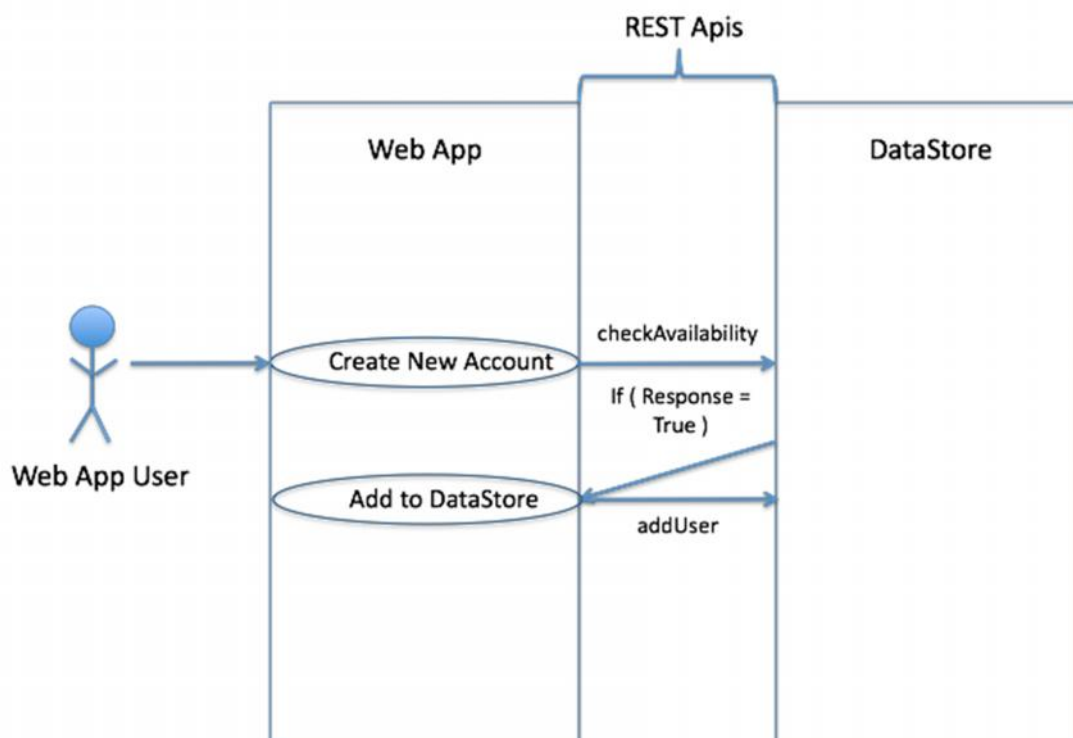
### Team 3.09

## 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. Use Case Scenarios:

### 2.1. Creating a New User account from Web Application



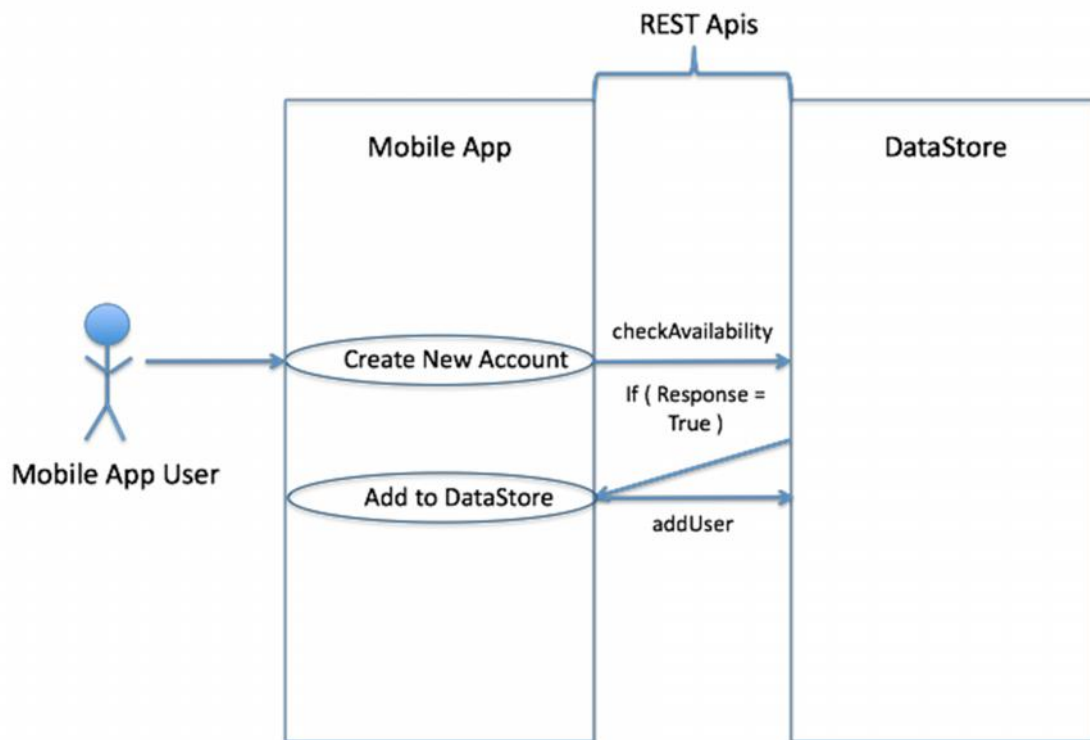
When the user tries to create a new account through the web application, the availability is checked in the DataStore. If the username is taken, the user is provided with an error message, else the user account is created in the DataStore.

Both the web and Mobile scenarios has been successfully implemented and tested for the following test cases:

- a) Creating a new valid user: New User is getting created successfully.
- b) Creating a new user with same name as an existing user: Error is being reported and new user is not created. Should prompt the user to use a different username.
- c) Creating user with empty username and password: Appropriate error message to be displayed saying invalid username or password accordingly

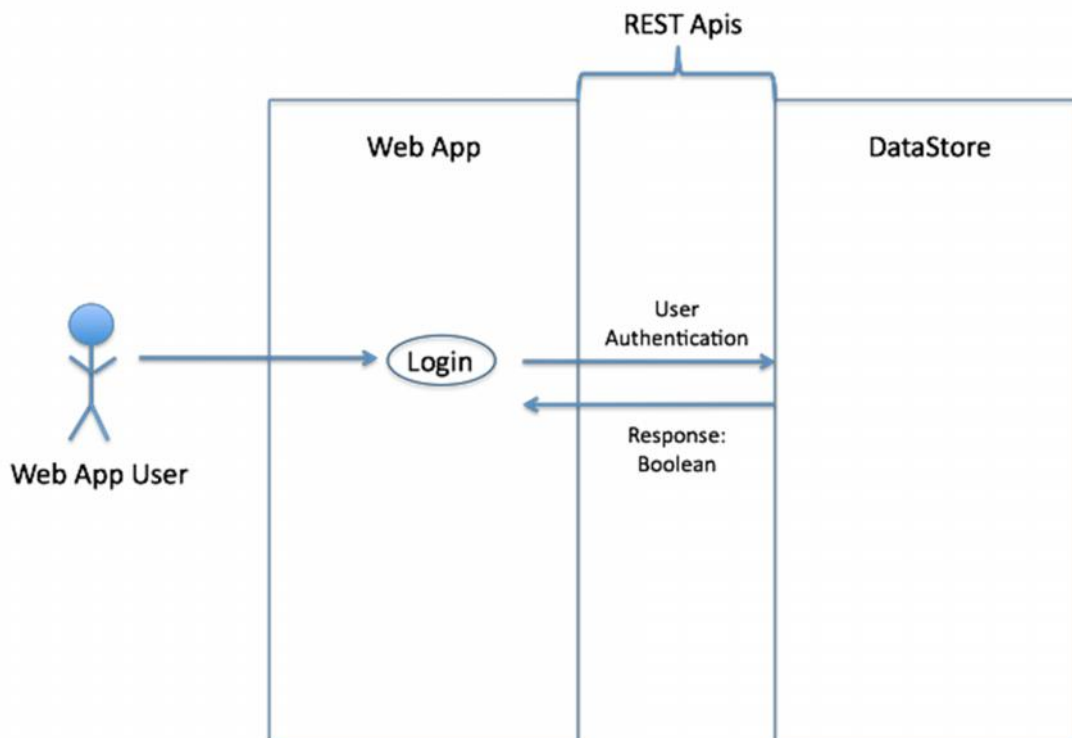
## **2.2. Creating a New User account from Mobile Application**

When the user tries to create a new account through the mobile application, the availability is checked in the DataStore. If the username is taken, the user is provided with an error message, else the user account is created in the DataStore.



### 2.3. Login from Web Application

Login from the web application requires user authentication from the DataStore. The ultimate goal is to have the user login with their Google accounts so all the authentication will be taken care of with the Google APIs.



Both the Web and Mobile scenarios are successfully implemented and tested for the following test cases:

- a) Logging in the application with correct credentials: Logging in the application with correct credentials
- b) Logging in the application with incorrect credentials: User should not be logged in and error should be reported saying incorrect password/ username accordingly.  
Error: "Incorrect credentials, please try again"

## 2.4. Login from Mobile Application

Login from the mobile application requires user authentication from the DataStore. Once the user authentication from the DataStore is successful, the mobile application checks for first time login by looking up the user information in the local database. In case of first time login the user is asked for permissions for push notifications etc.

