

# **Road Safety Management**

## **Iteration 1**

**By**

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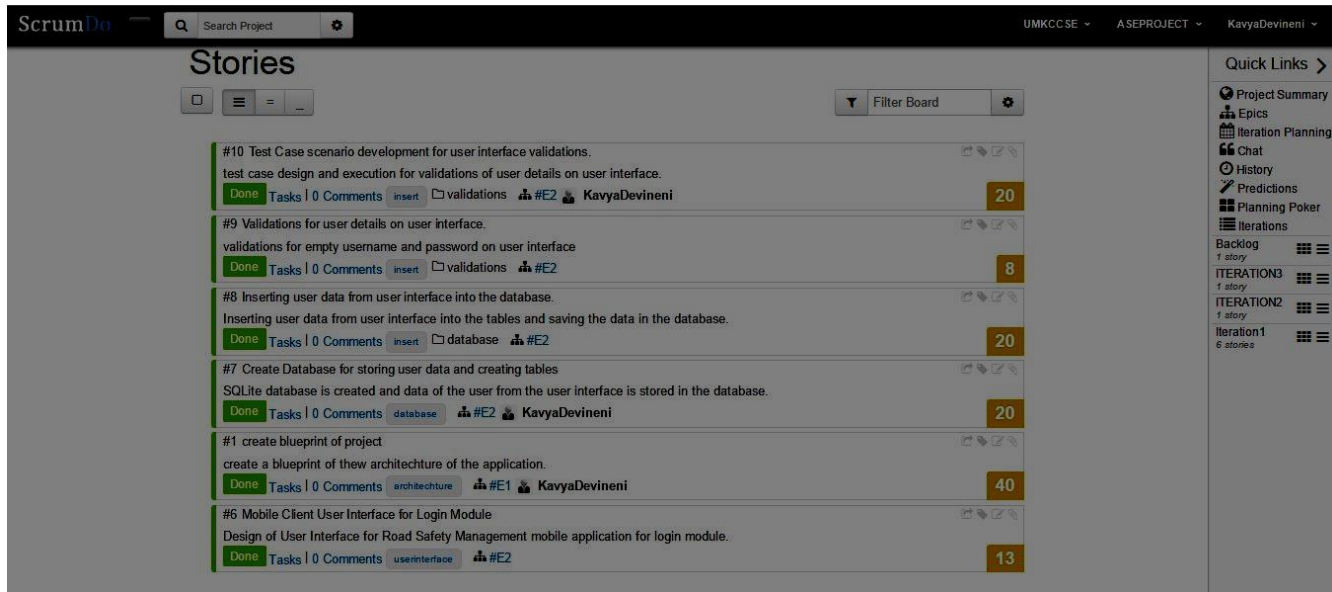
**Mohan Krishna Doddala**

## Import Source Code

<https://github.com/KavyaDevineni/asephase1>

## Detail Design of Services

### User stories



#### Story1:

Create database for storing user data and creating tables. In this SQLite database is created and data of the user from the user interface is stored in the database

#### Story2:

Designing mobile client user interface for road safety management mobile application for login module

#### Story3:

Inserting user data from user interface into the tables and saving the data

#### Story4:

Validations for entering empty usernames and passwords

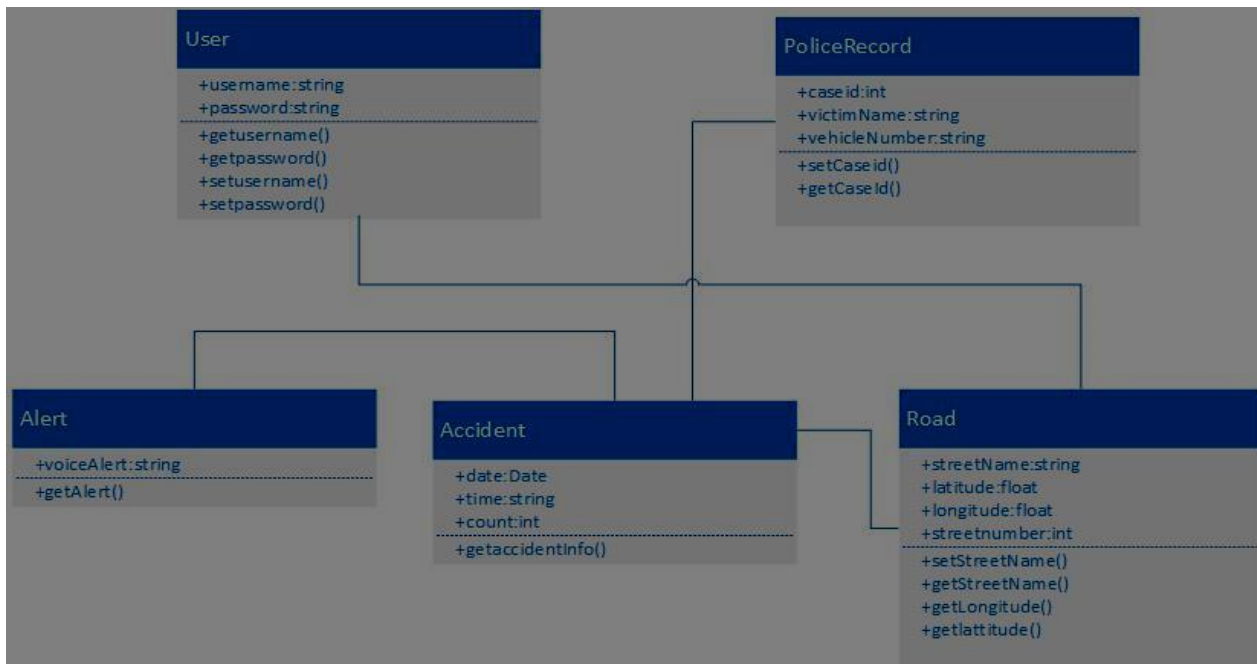
#### Story5:

Test case design and implementation.

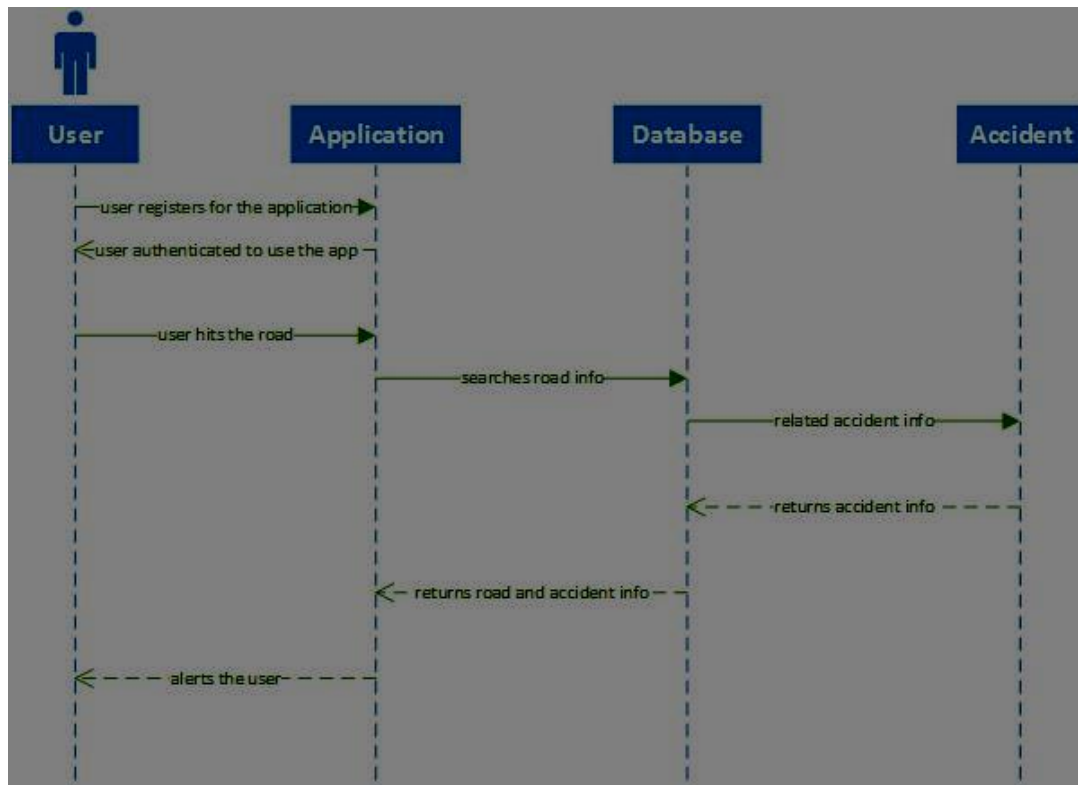
## SERVICE DESCRIPTION:

We aimed at designing the login module for iteration1. We designed login module with username and password. After entering the user details, a click on submit button, will submit these values and the user will be logged in. These user details will be stored in the database with username and password key values. Next time, when the same user has to login, he has to enter correct combination of username and password. Validations are written cover all the possible scenarios for username and password combinations. A report is made based on these observations.

## Class Diagram:



## Sequence Diagram



## Design of Mobile Client Interface

- user interface has login and signup
- user can also login through their Google+ id
- username and password are stored in database

## Design of unit test cases

We tried to cover both positive and negative scenarios. A combination of username and password possibilities are tested exclusively

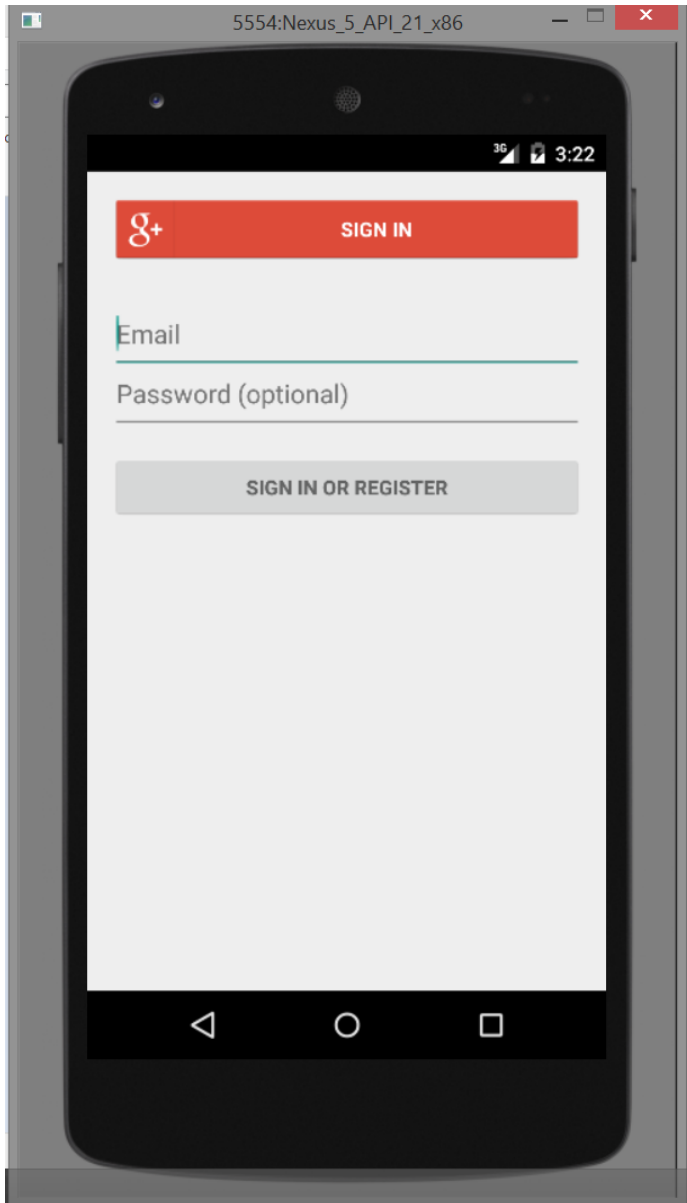
Test Case ID	Description	Execution Status	Expected Result
1	Entry of correct username and password	PASS	User must be able to login successfully.
2	Entry of wrong username and correct password	PASS	User must not login successfully.
3	Entry of correct username and wrong password	PASS	User must not login successfully
4	Entry of wrong username and password	PASS	User must not login successfully
5	Entry of user values in to the database	PASS	Database must be populated with the user details
6	Try to login with deleted user details in the database	FAIL	User must not be able to login.

**Results are shown above**

## Deployment

<https://www.scrumdo.com/projects/project/aseproject/iteration/119961>

## Screenshots of Design and Implementation



```
Command Prompt - sqlite3 test.db
Microsoft Windows [Version 6.3.9600]
(c) 2013 Microsoft Corporation. All rights reserved.

C:\Users\divya>cd \

C:\>cd sqlite

C:\sqlite>dir
Volume in drive C is Windows
Volume Serial Number is 4E51-96FF

Directory of C:\sqlite

02/25/2015  06:28 PM    <DIR>          .
02/25/2015  06:28 PM    <DIR>          ..
02/25/2015  06:27 PM             566,272  sqlite3.exe
                1 File(s)                566,272 bytes
                2 Dir(s)  294,655,684,608 bytes free

C:\sqlite>sqlite3 test.db
SQLite version 3.8.8.3 2015-02-25 13:29:11
Enter ".help" for usage hints.
sqlite> create table first (username String, password String);
sqlite> .schema
CREATE TABLE first (username String, password String);
sqlite> insert into first (username,password) values ("kavya","kavya");
sqlite> select * from first;
kavya|kavya
sqlite> .quit

C:\sqlite>dir
Volume in drive C is Windows
Volume Serial Number is 4E51-96FF

Directory of C:\sqlite

02/25/2015  06:31 PM    <DIR>          .
02/25/2015  06:31 PM    <DIR>          ..
02/25/2015  06:27 PM             566,272  sqlite3.exe
02/25/2015  06:31 PM             2,048  test.db
                2 File(s)                568,320 bytes
                2 Dir(s)  294,737,997,824 bytes free

C:\sqlite>dir
Volume in drive C is Windows
Volume Serial Number is 4E51-96FF

Directory of C:\sqlite

02/25/2015  06:31 PM    <DIR>          .
02/25/2015  06:31 PM    <DIR>          ..
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```

