

CS551

ADVANCED SOFTWARE ENGINEERING

SECOND INCREMENT REPORT

BY

PROJECT GROUP 12

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- **AIM:**

- Our project mainly focuses on relating technology with the real world. Our application is motivated from the thought that all the people who are in need of help and the people who want to take an initiative to help voluntarily must be provided a platform. In this process, we were succeeded by creating the overall technical view of the project and also started working on it. The work which we had done is included in this First Increment Report.

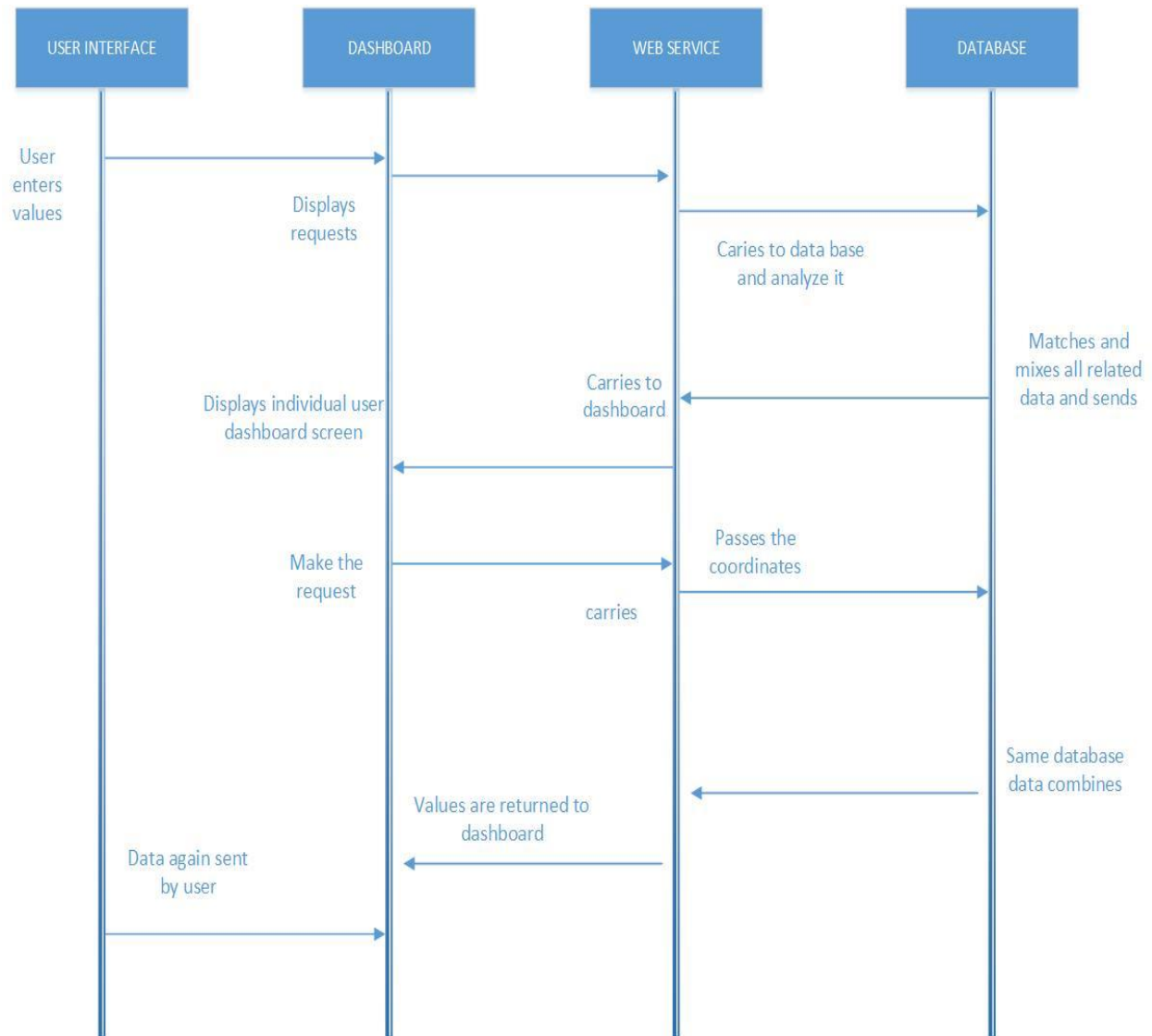
- **SERVICES AND API'S USED:**

- The first task that we had done in our application was creating a new Database. By using MySQL Server, we created a new database which is useful for our application. All the data that is given by the user in the client side can be stored in this database and can be retrieved as per user functions.
- The Google API is used and the maps and places are integrated in the project. The key for places and maps is generated and it is embedded in the android studio project.
- We created a web service using .net coding in Microsoft visual studio for the login page in order to store the data in our database and to retrieve it and for comparing the details with the database for verification.
- The web services for retrieving and string the data is written and is loaded into GitHub.

- **DESIGN DETAILS:**

- The details are included in the scrum do in terms of stories and they can be accessed at <https://www.scrumdo.com/projects/project/help-help-help/iteration/111976>

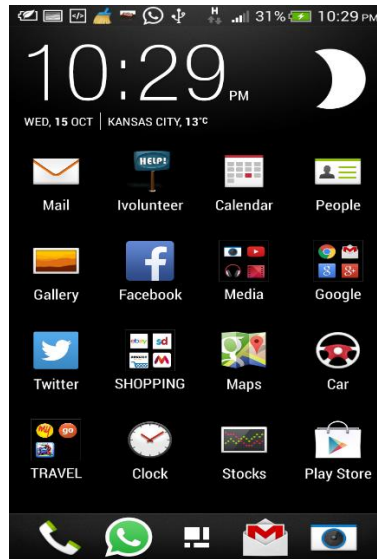
- **SEQUENCE DIAGRAM:**



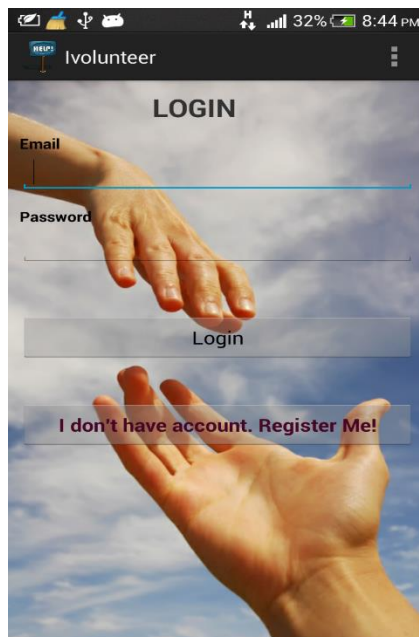
SEQUENCE DIAGRAM FOR DASHBOARD

- **USER INTERFACE:**

- The main applications page of an android looks as it is shown and our application Ivolunteer can be seen as shown:



- The login screen for the applications is as follows:



- The user gets directed to a new page which is the register page if he is not a registered member:

REGISTER

Full Name

Email

Password

DOB

Register

Already registred. Login Me!

- **MAPS AND PLACES API:**

- The google maps and places are used to search the nearest locations. This is implemented by using google API and the user interface is designed using XML script.
- The screenshots of the Application are as shown below.

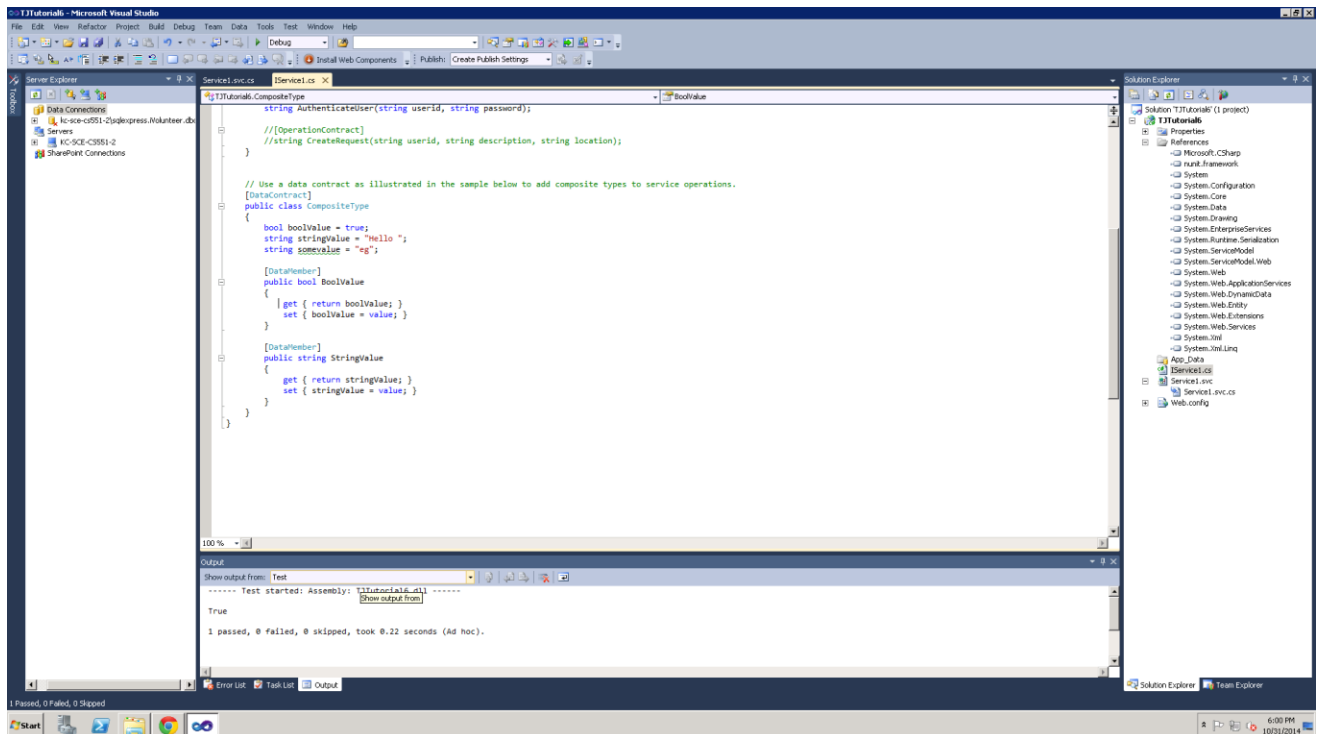
Your Nearest Places	
Show Places on Map	
Planet Sub	Aixois
André's Confiserie Suisse	Minsky's Pizza
Osteria Il Centro	SPIN! Neapolitan Pizza Kansas City
Peanut	Eggtc
Cafe Europa	SUBWAY® Restaurants
Mixx	Pizza 51
Go Chicken Go	Chipotle Mexican Grill
Mike's Tavern	Planet Sub
Accurso's Italian Restaurant	André's Confiserie Suisse
Chick-fil-A	Osteria Il Centro
Pickleman's Gourmet Cafe	Peanut
Kin Lin Chinese Restaurant	Cafe Europa
Louisiana Swamp Men	Mixx

Place Details	
<p>Name: Kin Lin Chinese Restaurant</p> <p>Address: 314 E 51st St, Kansas City, MO 64112, United States</p> <p>Phone: (816) 561-4334</p> <p>Latitude: 39.034927, Longitude: -94.583566</p>	<p>Name: SUBWAY® Restaurants</p> <p>Address: 312 E 51st St, Kansas City, MO 64112, United States</p> <p>Phone: (816) 756-1756</p> <p>Latitude: 39.03496, Longitude: -94.583591</p>

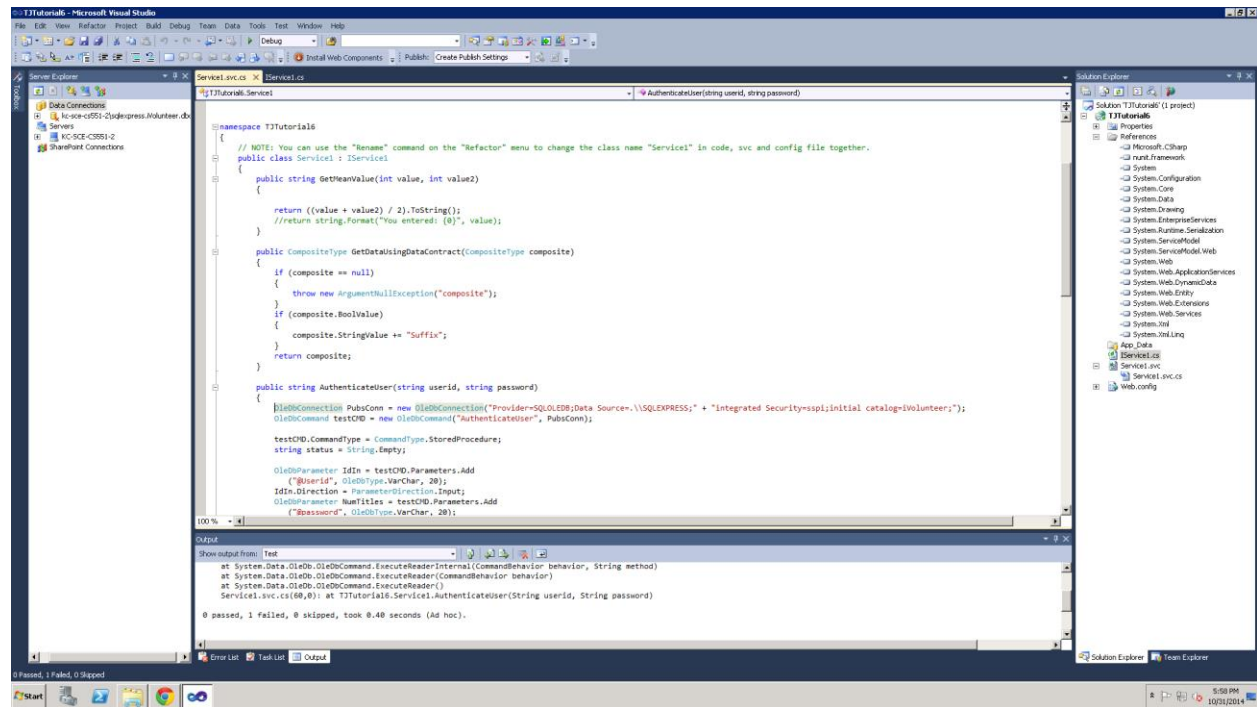
- **TESTING:** Web services were implemented using visual studio and the corresponding testing tools were used and the results were obtained.

The results obtained from testing were taken as screen shots and are attached below.

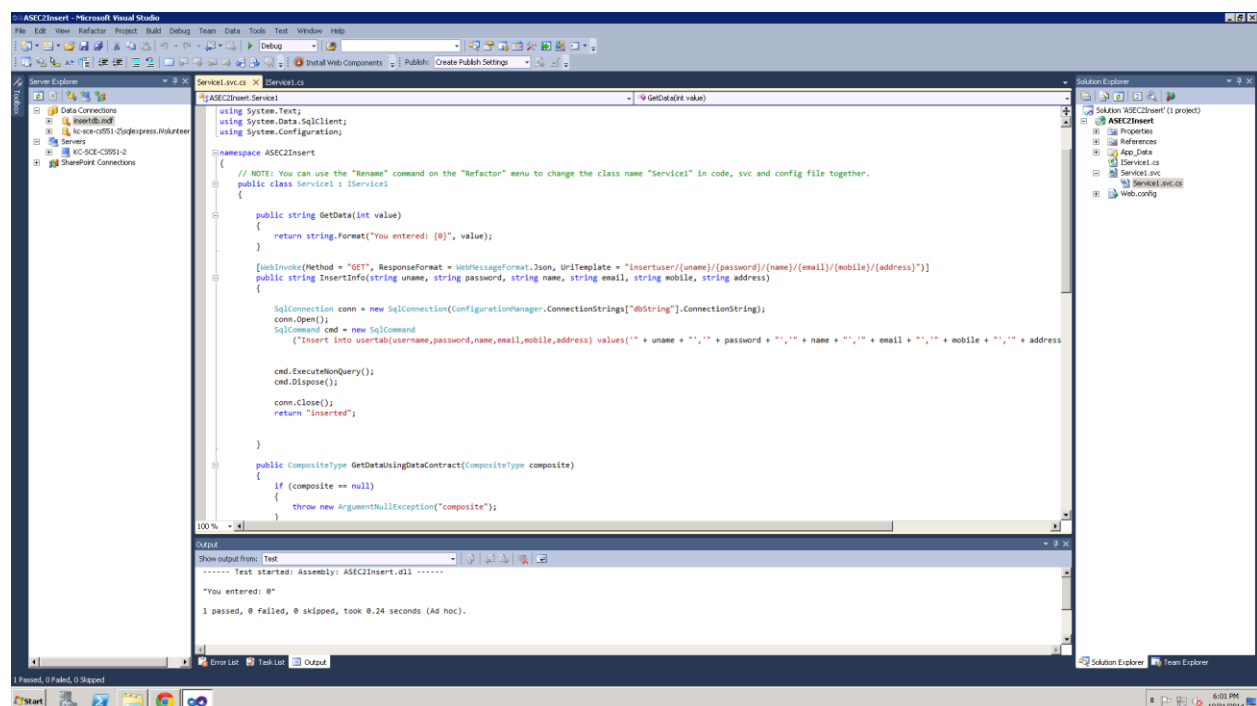
1. Below screenshot is the code belonging the login user and it is tested and the results can be seen at the bottom dialog box of the screenshot.



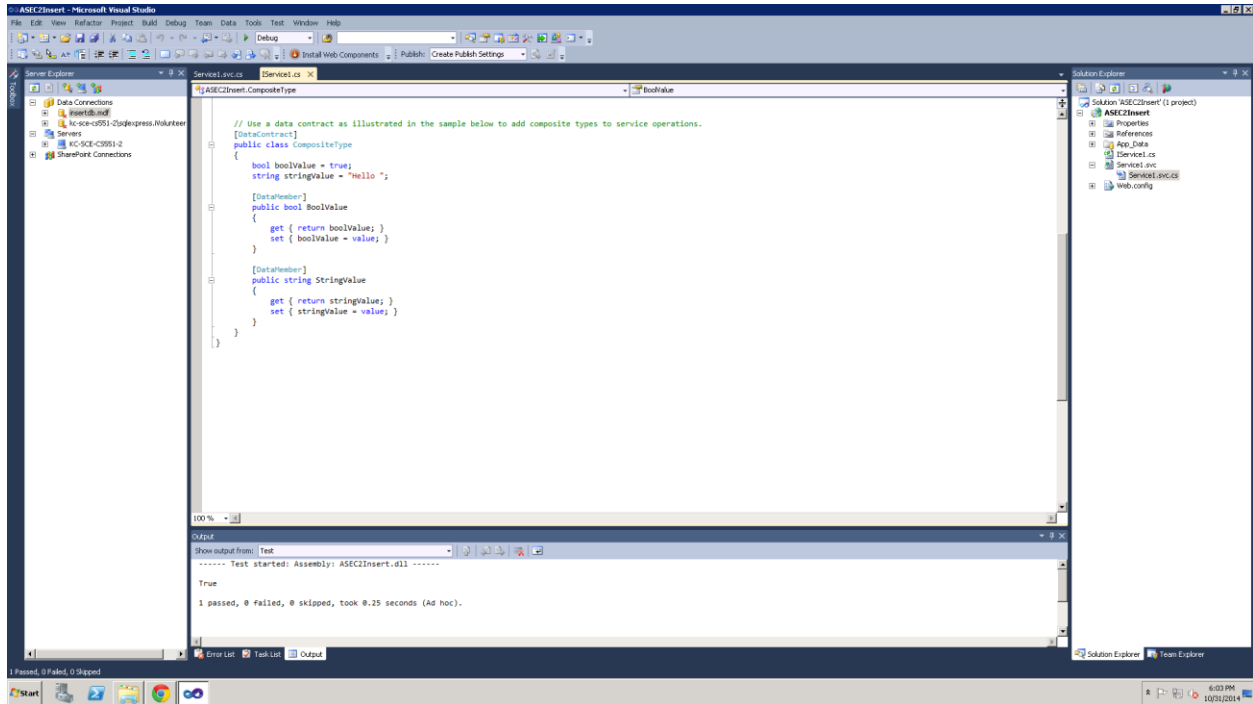
2.



3.



4.



- GITHUB LINK:

<https://github.com/sbbb2/IVolunteer/tree/master/Increment%20>