### ADVANCED SOFTWARE ENGINEERING – CS 5551

# FOOD CART – FOOD ORDERING APPLICATION PROJECT REPORT

**TEAM – 15** 

**CONTRIBUTORS:** 

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### 1. INTRODUCTION:

Food Cart – Food Ordering System is Hybrid Application where a user can register or use the authentication and login with his account into the application and can search for any food item with two input ways like Speech to text conversion and the direct typing method. Once the user searches for an item a list of the nearby online stores where the item is available will be displayed and the user can choose any of those stores and can add those items to the cart and place the order and get the estimated time of delivery.

### 2. PROJECT GOAL & OBJECTIVES:

The main objective of our project is to ensure the correct delivery of the orders through visual confirmation. Since we are implementing the whole idea of the project as Hybrid application, it helps the user to access the services very easily. The main motto is to increases the speed of service, sales volume and earn the customer satisfaction. It also eliminates the use of paper and increase the level of efficiency.

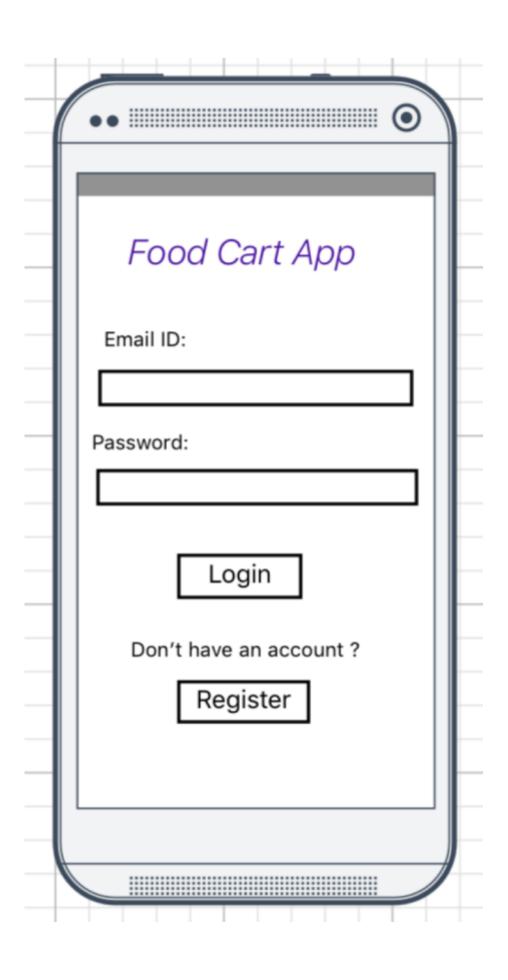
### 3. SYSTEM FEATURES:

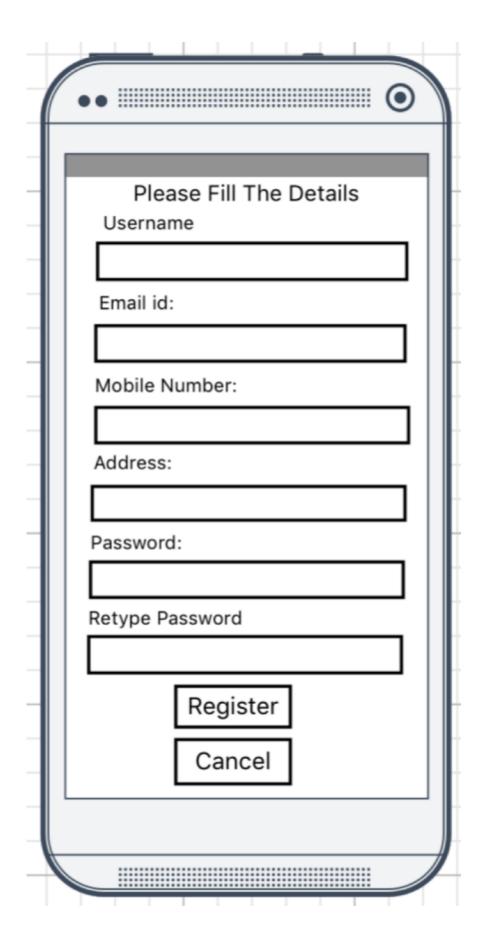
The major functionalities of the online ordering system which we have developed comprises of the following listed features:

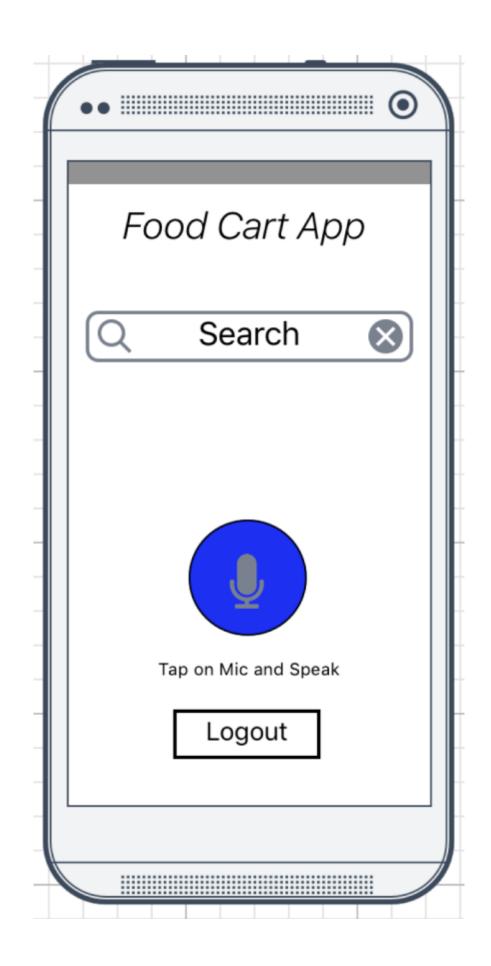
- a) Login & Register of the user.
- b) Speech to Text API for taking input.
- c) Four Square Search API for searching the nearby places.
- d) Adding items to the cart.
- e) Placing the order.
- f) Get the estimated time of delivery

### 4. WIREFRAMES:

The wireframes of the system are listed below.

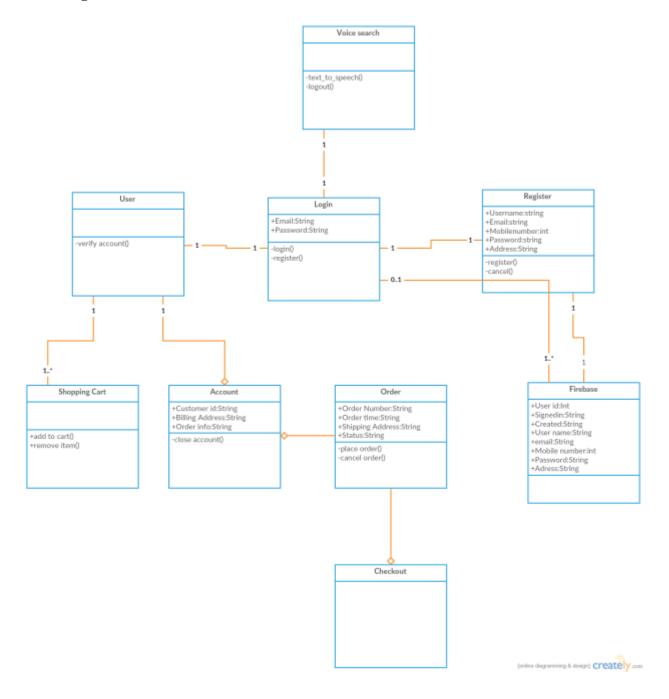




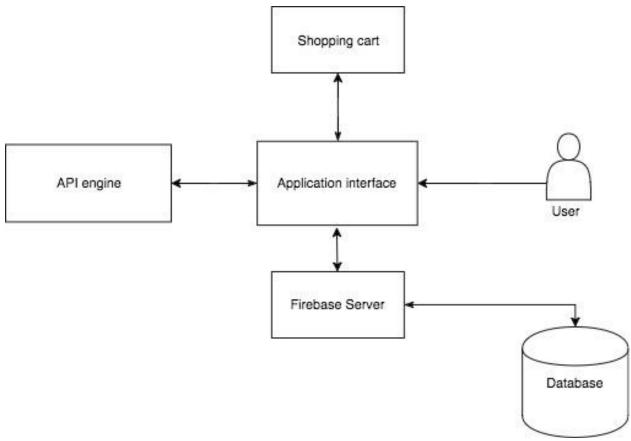


### **5. UML DIAGRAMS:**

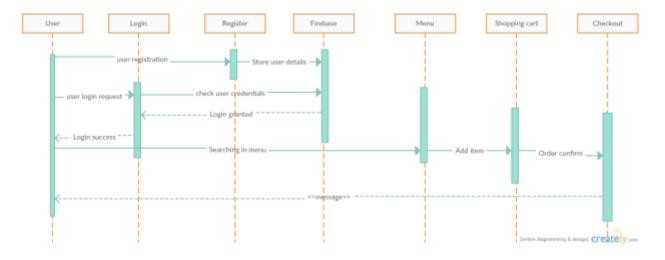
### **Class Diagram:**



# **Architecture Diagram:**



# **Sequence Diagram:**



#### **6. PROJECT DEPLOYMENT:**

The entire project is implemented in four increments. The project is implemented using agile process model where each and every project feature is developed and in the final increment all the features are integrated to make a complete project application.

The Screenshots of the entire application are attached below.

Login page consists of email and password attributes need to enter to access the app. A forgot password option (non-functional). Provided Facebook authentication to login using the Facebook login details. Provided a tab for signup.



Signup page consists Name, Phone, Email, Password attributes needed to enter to create the account(signup). All the details entered are stored in the firebase database.

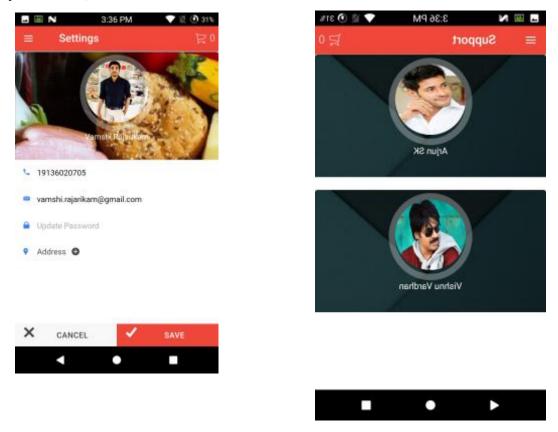


After login, the first page is menu: few sample food items pictures with a price.



Side menu: On top user picture is displayed with the user name. All the tabs for the app are included here. Menu, offers, My Cart, Orders, Favorites, Settings, Support, Logout. Most of the pages are empty. But they are used in our final project.

Setting tab: The user profile details are displayed here. They can update their profile here (not fully-functional)



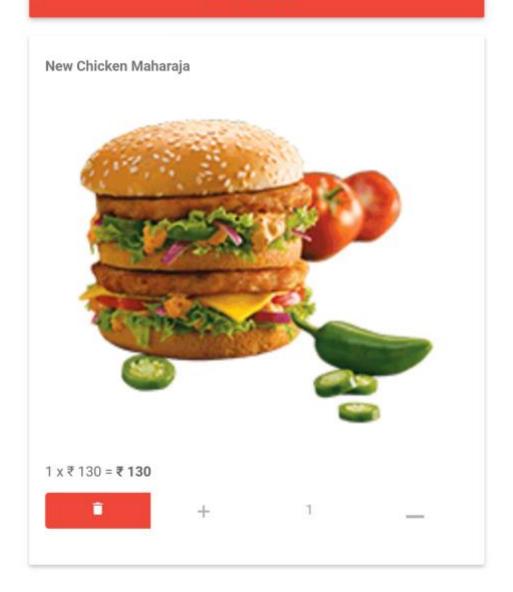
Support tab: Where support team for the app is included.

The Cart Functionality where the user can add the items to the cart and then proceed to the checkout.



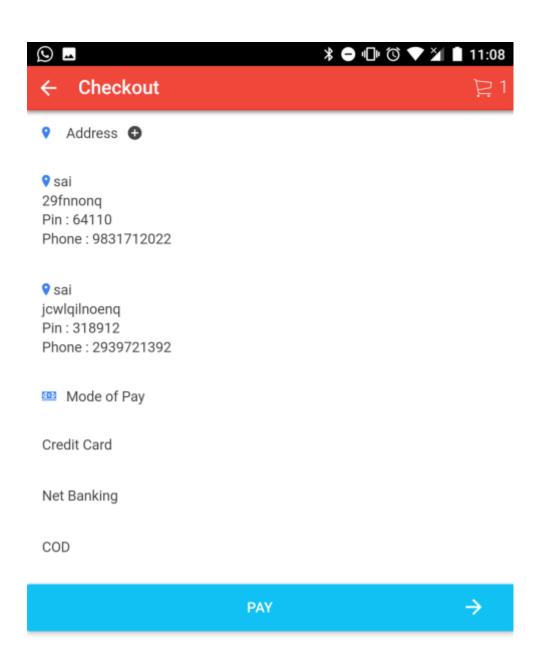
Total (1) = ₹ 130

#### CHECK OUT

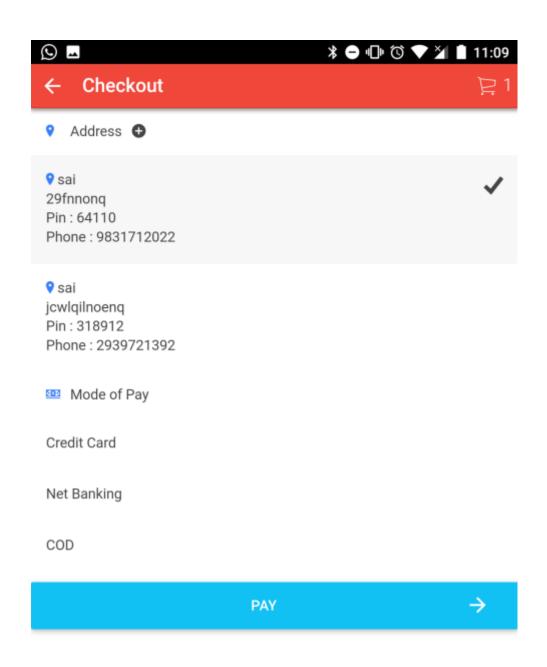






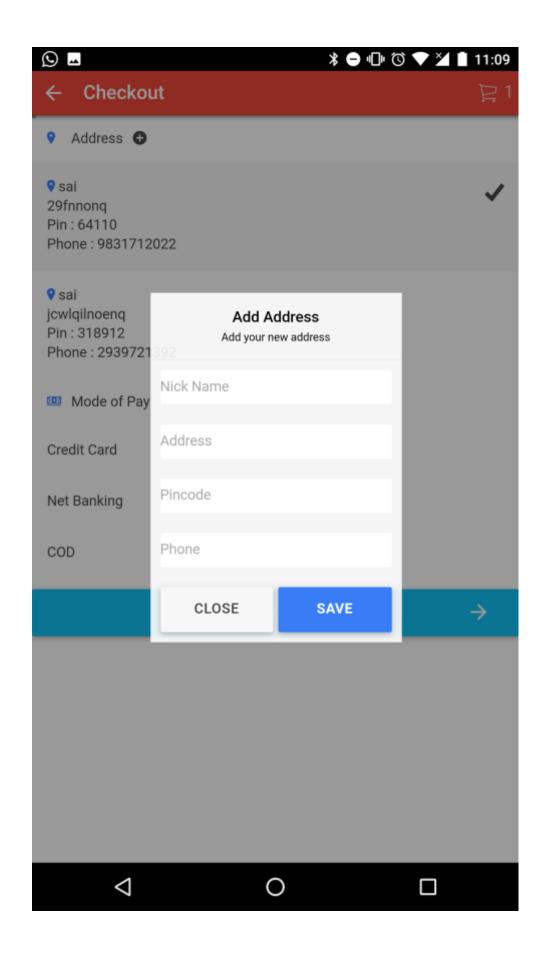


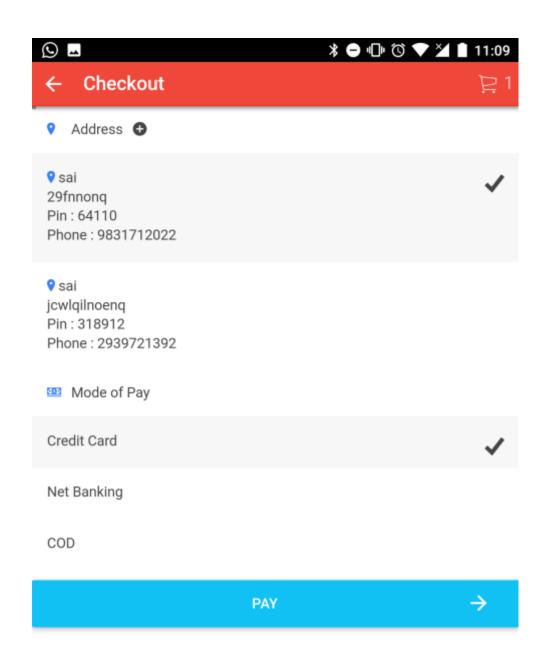
 $\Diamond$ 

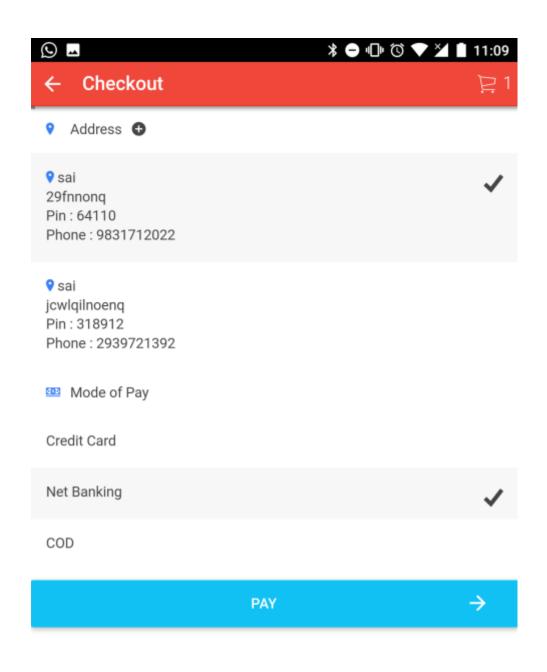






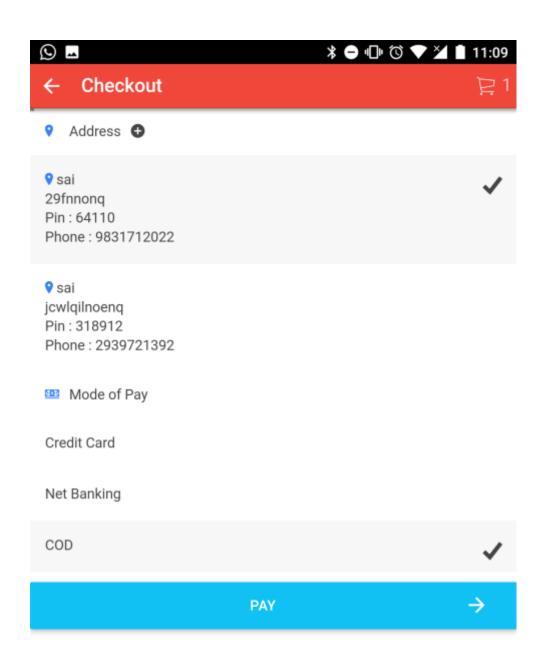


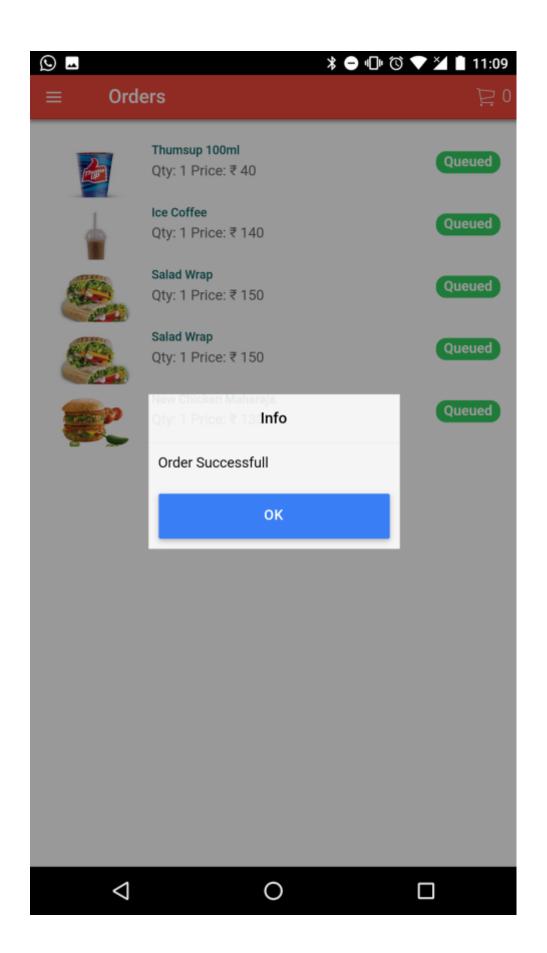




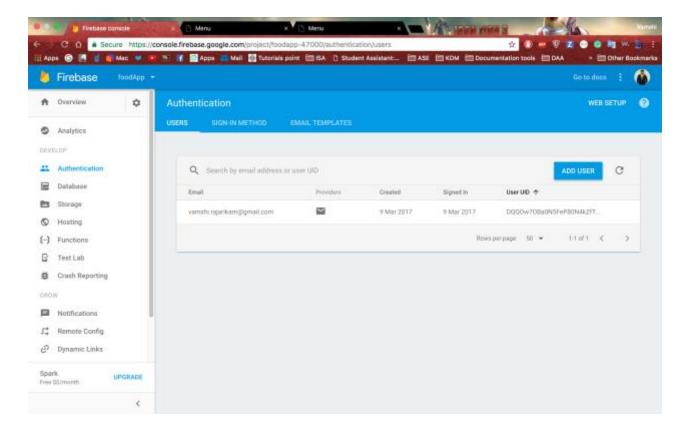








Firebase database where the details of the user are stored and retrieved when needed. Fully functional.



### 7. FIRST INCREMENT REPORT:

The First Increment of our project is to complete the following tasks.

- Login Functionality of the user
- Register Functionality of the user
- Storing & Retrieving the User Credential from the Firebase Database
- Implementation of the Speech to Text API.

# 8. SECOND INCREMENT REPORT:

The Second Increment of our project is to complete the following tasks.

- Facebook Authentication for the user
- Re-designing the User Interface

- Storing & Retrieving the User Credential from the Firebase Database
- Search Input Handling

### 9. THIRD INCREMENT REPORT:

- Facebook Authentication of the user
- Re-designing the user interface
- Cart Functionality
- Exclusive offers tab

### 10. FOURTH INCREMENT REPORT:

- Re-designing the user interface
- Cart Functionality
- Exclusive offers tab
- Aggregating all the functionalities

### 11. PRESENTATION SLIDES

### ADVANCED SOFTWARE ENGINEERING

**FOOD CART** 

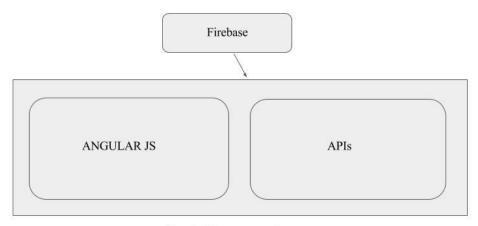
PROJECT PRESENTATION

Presented by:
BHAVYA TEJA GURIJALA
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ARUN KUMAR REDDY YEDDULA

# **FOOD CART**

- Food Cart is a Food ordering hybrid application.
- User can search for the food items
- Add the food items to the cart
- Get the estimated time of delivery

# **SOFTWARE ARCHITECTURE**



**Ionic Framework** 

### **TECHNOLOGIES**

- 1. AngularJS
- 2. Speech to Text API
- 3. FourSquare Search API
- 4. Firebase Database
- 5. Google Maps API

### **FEATURES**

- 1. Searching for Food items using Speech to Text API
- 2. Exclusive offers tab which share the latest deals
- 3. Cart functionality which takes you to the payment gateway
- 4. Google Maps for the estimated time of delivery based on the distance

#### Equal individual contribution – 25% each

Every member of the project contributed solely for the project. We have discussed at every stage and proceeded further. Since we have used Agile Process it would be easy for us to divide the

tasks among ourselves and integrate them at the end.

### 12. GITHUB URL:

https://github.com/BhavyaTeja/ASE\_Project

### 13. YOUTUBE VIDEO URL:

https://www.youtube.com/watch?v=\_uL2\_Lj9ouM

### 14. REFERENCES:

https://developer.android.com/training/index.html

https://developer.android.com/reference/android/speech/package-summary.html

http://www.androidhive.info/2012/01/android-login-and-registration-with-php-mysql-and-sqlite/

https://firebase.google.com/docs/android/setup