Final Year Project Report

Pre Order Food

Project Advisor:

Emmen Farooq

Project Co-Advisor:

Zeeshan khan

Submitted By:

Muhammad Sami	13005065244
Osama Fayyaz	13005065020
Ali Rizwan	13005065004

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C-II Johar Town Lahore Pakistan

Dedication

We dedicate our dissertation work to our loving parents and special gratitude to our respectful teachers, a warm gratitude to our family members and friends, whose words of encouragement and push for tenacity ring in our ears. Without their cooperation it would have not been possible to complete the graduation and make them feel proud.

We also dedicate this dissertation to our friends who have supported us throughout the process in any way. We will always appreciate all they have done and how they supported us.

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Final Approval

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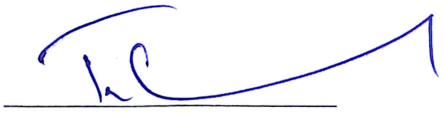
  Department of Computer Science
  UMT Lahore



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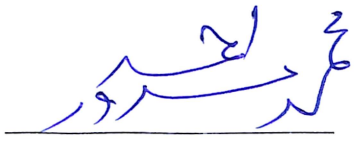

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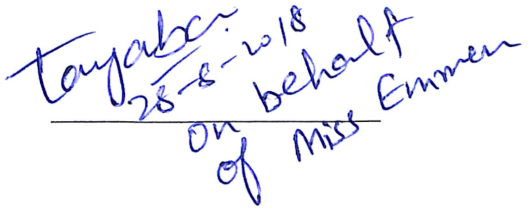

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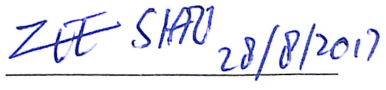

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Acknowledgment

First and the foremost, we wish to express our deepest gratitude to our project supervisor Mam Emmen Farooq for the continuous support in our BS studies and in final year project, for her patience, motivation, enthusiasm and immense knowledge. Her guidance helped us all the time in the final year project and the writing of this thesis. Without her this thesis would not have been completed.

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Project Title **Order Time**

Objective **Pre-order and reservation mobile and web service for office workers**

Undertaken by

Muhammad Sami **13005065244**

Ali Rizwan **13005065004**

Osama Fayyaz **13005065020**

Supervised by **Emmen Farooq**

Starting Date **01-September- 2016**

Completion Date **10-August-2017**

Tools Used

Android Studio

Xampp

Sublime Text

Operating System

Android

Windows

Linux

Documentation

Abstract

Our project Order Time is a pre reservation android and web service project with a user friendly and easy to learn android application and website through which user can place their order before and reserve their table online to save time. It includes a google map representation on nearby restaurants and a simple search facility to find the desire place. Signed in is possible by Facebook or by email and password. Using this service restaurant owner can modify their menu online in real time. All the data can be retrieved easily because of the generic online database Firebase by google along with a full encryption system keeping all the data secure without slowing down the system

REVISION CHART

Version	Primary Author(s)	Description of Version	Date Completed
Draft	Muhammad Sami	Initial draft created for distribution and review comments	20th October 2016
Preliminary	Ali Rizwan, Osama Fayyaz	Second draft incorporating initial review comments, distributed for final review	1st November
Final	Muhammad Sami	First complete draft, which is placed under change control	26th December
Revision 1	Muhammad Sami, Ali Rizwan	Revised draft, revised according to the change control process and maintained under change control	2nd February
Revision 2	Osama Fayyaz	Revised draft, revised according to the change control process and maintained under change control	5th March

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Definitions and Acronym

Acronym	Definition
UMT	University of Management and Technology
POS	Point of Sale

Table 1: table of acronyms and definitions

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1. INTRODUCTION

This is web-android base project which will provide the customer to give a pre-order before their departure from their current place to the restaurant or fast food joint and the facility of pre-served before their arrival at the restaurant or fast food joint

1.1 Motivations

Today's world is depending on technology. Everything is transforming. Time is the most import and expensive thing. Finding time for lunch or finding enough time to get out from work space, get to a restaurant, order food, eat and then come back to the workplace is close to impossible.

1.2 Project Overview

This application will only provide the facility to view and place the order to specific restaurant for a customer and for the restaurant sponsors this application will provide the facility to upload/edit their menu and view current orders with their countdown and customers status. This website will use android and web

It will consist of 3 different interfaces

1. Main admin (Web Based)
2. Restaurant admin (Web Based)
3. Customer (Android/Web Based)

The Main admin will have the functionality related to registering a new restaurant and providing them the facility to make a new menu, add pictures, add prices and monitor their customers.

The Restaurant's admin can update their menu, add prices and monitor their customers' orders and total orders place in a day and in a week and a month. It will allow them to see their regular customers and update records.

The customer will be able to see the restaurant. The interface will have the category of food, this means that the customer can select which type to cuisine he wants and it will list all the restaurants'. It will also have a budget amount setting which will help locate him a restaurant that lies in his budget range. Select a restaurant, place order, see the bill, place reservation and place the time at which they will be visiting. The application will also include maps, the maps will help locate the restaurant and provide an estimate time for arrival from their location.

1.3 Problem Statement

The biggest issue of going to a restaurant is the issue of time, sometimes the restaurant does not have any availability and sometimes due to short break in between work an hour is not sufficient enough to have a good meal with friends or family.

1.4 Objectives

- To provide a user friendly application
- To provide user a facility to check if seating in a restaurant is available or not
- To solve the time shortage issue of students and customers
- To increase the business of restaurant
- To help customer find and visit different restaurant which are nearby
- To advertise restaurants
- To provide an application interface for restaurants to interact with their customers

2. DOMAIN ANALYSIS

2.1 Customer

Every person who has less than or equal to one hour for lunch break is a potential customer of our system. Moreover the restaurant owner who are willing to join our system for the ease of their customer are also included in the group of the customers (i.e. HATS fast food joint which is the sponsor of our project). At this moment we are developing the system for the following

1. Students
2. Office Workers
3. Restaurant Owners
4. People who like to go and dine out

2.2 Stakeholders

Table 1 Stakeholder

Stakeholder	***Role in System***
Admin	Responsible for giving access to new restaurants. In case of late payment or rule violation by any of the restaurant it is his responsibility to freeze their account. Moreover it is his responsibility to look over the customer reported by the restaurants and block their account if the customer is reported more than 2 times
Restaurant Owner	He is responsible for serving the food order with the desire requirements of the customer in time after accepting the order on the website. In the case of low staff of any other issue it is the responsibility to decline the order on the website so that the customer can be notified
Customer	He is responsible for placing the order using mobile application or website. In case of decline of the order customer is responsible to report or rate the restaurant so that admin can take appropriate action against them

Table 2: list of stakeholders

2.3 Affected Groups with social or economic impact

By the development of the system the customer will have social benefits due to less time consumption whereas the restaurant owner will get the economic benefit as this system will increase their business

2.4 Dependencies/ External Systems

- Firebase

2.5 Reference Documents

2.5.1 Related Projects

In order to develop Order Time, we looked up several similar system. Their details are given bellow

1. FoodPanda(www.foodpanda.pk)
2. EatOye (www.eatoye.pk)
3. McDelivery (http://www.mcdonalds.com.pk/)

2.5.2 Feature Comparison

Table 2 Feature Comparison

Sr. No.	*Comparison Feature*	*FoodPanda*	*EatOye*	*McDelivery*	*Order time*
1	Login	FoodPanda covers the login feature completely as desired	EatOye covers the login feature completely as desired	McDelivery covers the login feature completely as desired	Order time covers the login feature completely as desired
2	Sign Up	FoodPanda covers the sign up feature	EatOye covers the sign up feature	McDelivery covers the sign up feature	Order time covers the sign up feature

		completely as desired	completely as desired	completely as desired	completely as desired
3	Restaurant Search	FoodPanda covers the RS feature completely as desired	EatOye covers the RS feature completely as desired	McDelivery don't cover the RS feature as it covers only one fast food joint	Order Time covers the RS feature completely as desired
4	Preserve	FoodPanda don't cover this feature	EatOye don't cover this feature	McDelivery don't cover this feature	Order Time covers the preserve feature completely as desired
5	Order Cart	FoodPanda do this for multiple restaurant	EatOye do this for multiple restaurant	McDelivery covers this for only one specifically McDonald's	Order time do this for only restaurant per order but it is not limited to only one restaurant
6	Categorize Search	Food panda search by location	EatOye search by location	McDelivery search by location	Order Time can search by location ,craving and city

3. REQUIREMENTS ANALYSIS

3.1 Requirements

3.1.1 Functional Requirements

- It will provide the restaurant owner to add a menu, update menu and remove an item from menu.
- It will provide restaurant owner to check total orders.
- It will provide admin facility to accept or decline an order.
- It will provide the restaurant owner to request ban a customer from ordering if he fails to show up 3 times.
- It will provide the restaurant owner to view the record of a customer.
- It will provide a customer to view menu and place order
- It will provide customer to sign up or login.
- It will provide customer the facility to reserve a table
- It will provide customer to set a time for arrival
- It will provide customer the location of restaurant that he ordered at
- It will provide customer an estimated time to reach his destination
- It will provide customer to rate a restaurant and provide a feedback
- It will provide customer his total bill
- It will provide the facility to choose between fast food and restaurant and further categories of restaurants if restaurant category has been chosen
- It will provide the user to request ban on a restaurant if it decline his order

3.1.2 Non-Functional Requirements

- Secure access of all the data as separate login pages to different user members
- 24/7 availability of system
- Flexibility of system is highly desirable for future extension.

3.1.3 Data Requirements

•Data will be stored online in the online database provided by google know as Firebase which will be accessed by both the website and the android application

3.1.4 Constraints

•Every customer must login before final placement of the order

• Admin side should be highly secured.

3.1.5 External Interface Requirement

•Two components of the system (Android application and Website) both will be continuously checking the database (Firebase) for any change. In other words the database will work as a hub and any change in it by any component will trigger some functions in both components through which data will be communicated

3.2 List of Actors

- Admin
- Customer
- Restaurant Owner

3.3 List of use case

- Log In; allow user to provide account information and access the restricted services.
- Add,-Delete-And-Update-Restaurant: staff can add new restaurants delete restaurants and update restaurants.
- View-Ban-Request: admin can see customer ban request from the restaurant.
- View Order: staff member of the restaurant can see all the detail of the customer order.
- Order Decline: staff can decline the order for any reasons.
- Report User: they can send report to the admin.
- Edit Menu: they can add delete and update the menu.
- Search-Restaurant: customer can search restaurant by name of restaurant or food type.
- Place-Order: using the application on mobile or website the customer can place his order and the order will be confirmed by the restaurant.
- Feedback::the customer can write his experience with the community of people using the application or website.

- Search-deals: the customer can directly write a deal he wants in the search box and will get a result back showing results
- Report-Restaurant: the customer can report a restaurant if the service was not up to the mark or the order was delayed or it was not the order they asked for,

3.4 System use case diagram

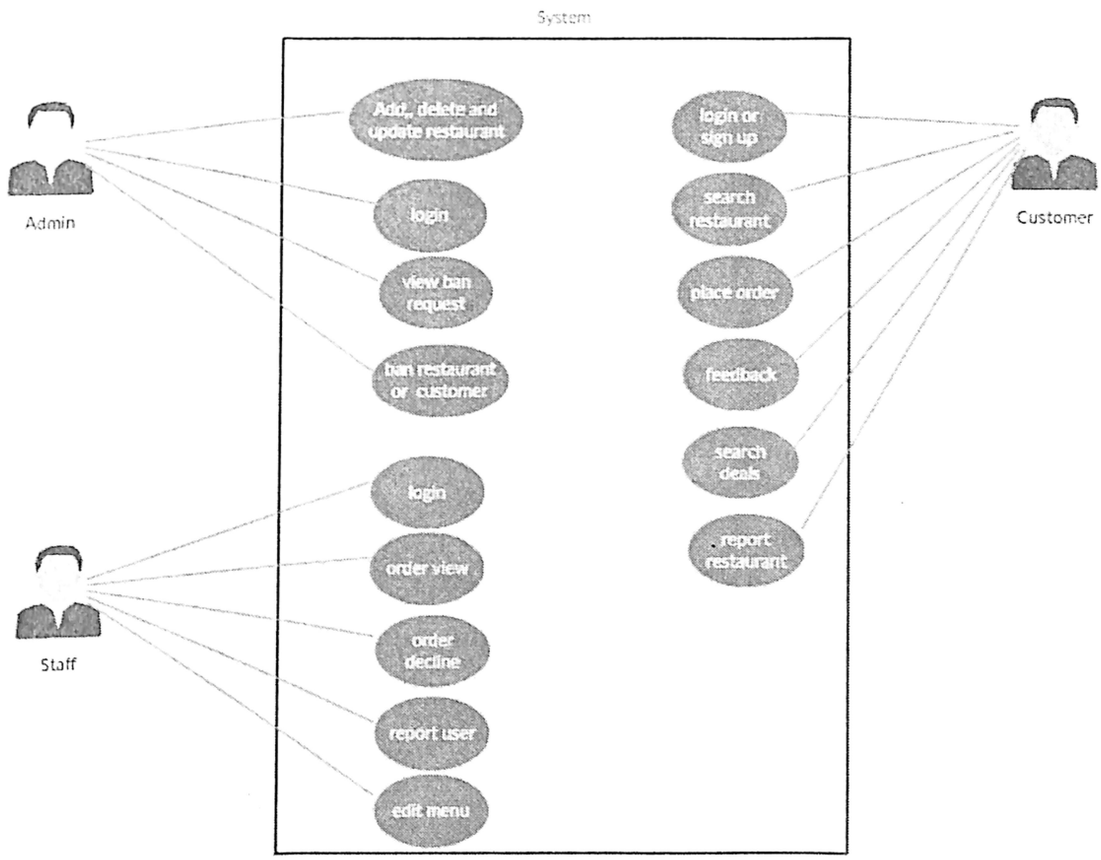

Figure 1 System Use Case Diagram

3.5 Extended use cases

Table 3 Use Case 1 Login

Name	Log in the application and web
ID	1.1
Description	The user will login in the system to get the access level of the user and that we save the record of the user
Actors	Admin, customer and staff
Frequency of use	High
Triggers	When user will try to use the application and web page
Pre-conditions	1. Internet access 2. User already sign up 3. User need to have application installed in mobile
Post conditions	1. User have valid username and password 2. User login in the system
Normal Flow	1. Install the application 2. Sign up 3. Click on login 4. Give valid username and password

	5. System will check if given password and username is in database and valid 6. System will give access to user
Alternative flow	3a) if the user doesn't sign up and try to login in 1. User need to go and sign up first 2. User will give username and password and valid email 3. Username and password saved in the database 4. Use case remain on step number 4
Exceptions	4 a) Give valid username and password 1. If the username or password is invalid 2. show the message that password or username is invalid 3. user will retry and entry username and password or go sign up if it is not already done
Assumptions	User will login in the system
Special requirements	N/A
Notes and Issues	N/A

Table 4 Use Case 2 Add/Delete Restaurant

Name	Add, delete or update restaurant
ID	1.2
Description	The admin can add new restaurants so they can be ordered through our app and the admin can delete or update existing restaurants
Actors	Admin
Organizational Benefits	More restaurants can be added and the ones that don't exist can be deleted
Frequency of use	Medium
Triggers	When ne restaurant is added or when existing record is updated or deleted
Pre-conditions	1) Internet access 2) Admin logged in 3) For adding restaurant should not be already in the restaurant list 4) Updating or deleting a restaurant should exist in the restaurant list
Post conditions	1) Restaurant added in the list 2) If restaurant deleted, it is removed from the list 3) If restaurant updated, it is updated in the list
Normal flow	1) Admin logged in 2) Admin will choose the option from delete, add and update

	3) For adding new restaurant, write name of restaurant and details and press add button restaurant will add in the database 4) If deleting a restaurant, find restaurant from list and press delete button Restaurant will be delete from database 5) If updating a restaurant, find restaurant from list press update. Do the changes and press the save button
Alternative Flow	3a) adding restaurant 1) If the restaurant is already added when we add 2) Show the message that restaurant already exists in list 3) Use case reuse from step 4
Exceptions	4a) deleting restaurant 1) entry the name of the restaurant does not exist in the restaurant list 2) show the message that restaurant is not in the list
Assumption	Restaurant query will work correctly

Special requirements	N/A
Notes and Issues	N/A

Table 5 Use Case 3 Ban Restaurant/Custome

Name	ban restaurant or customer
ID	1.3
Description	The admin can accept the ban request. The banned restaurant or customer will no longer have access to the app and cant order anything
Actors	Admin
Frequency of use	Medium
Triggers	When a customer or restaurant sends a ban request
Pre-conditions	Customer and the restaurant must be registered in the system and a valid reason provided for the ban
Post conditions	The customer or the restaurant will be banned and can't use any services
Normal Flow	1) Admin log in 2) View request 3) Check if the customer or restaurant is registered with the system 4) Check reason for ban 5) Add name and id 6) Click ban 7) Pop up will show banned
Alternative Flow	1 a)admin log in 1) admin entry username and password to log in 2) username and password is invalid 3) show the message that username or password is invalid

Exceptions	3)a) Check if the customer or restaurant is registered with the system 1) customer or restaurant not registered with the system 2) ban request canceled 3) use case resume on step 4 4)a) Check reason for ban 1) reason for ban not valid 2) ban request canceled 3) use case resume on step 4
Assumptions	1) Internet access available 2) Logged in with a valid admin account 3) Restaurant or customer registered in the system
Special Requirements	N/A
Note and Issues	N/A

Table 6 Use Case 4 Edit Menu

Name	Edit menu
ID	2.1
Description	The staff using the order view system will have access to add delete or update items in the menu
Actors	staff
Frequency of use	medium

Triggers	1) New item introduced to the menu 2) Pricing changed for the items in the menu 3) An item from the menu is taken out of the menu
Pre-conditions	1) Staff member logged in 2) Details of the item must be present (Picture, name and price)
Post conditions	Menu edited
Normal Flow	1) Login 2) Click edit menu 3) Enter details 4) Press submit button
Alternative Flow	1) Login 2) Go to restaurant main menu 3) Edit specific part of the menu(Deals or item) 4) Use case resumed from step 3
Exceptions	1 a)login 1) invalid username or password 2)show message to re-enter username or password 4a)press submit button 1) item already exists in the menu 2) item to delete is not present in the menu 3) details are missing when adding an item 4) missing details when updating item
Assumptions	1) username should be staff member username

	2) user need to staff member to edit menu only staff have the access level to edit menu
Special Requirements	N/A
Note and Issues	N/A

Table 7 Use Case 5 Accept / Decline Order

Name	Accept order or decline
ID	2.2
Description	When order placed by customer, staff member can see the order. Staff member can accept or decline order
Actors	Staff, Database
Frequency of use	medium
Triggers	When customer places an order
Pre-conditions	1) Customer placing the order must be logged in 2) The online ordering system must be up and running 3) The item ordered is present in the menu
Post conditions	1) Order placed to be made by staff 2) Response send to customer that order has been confirmed or declined
Normal Flow	1) Staff logged into system 2) Order made by customer

	3) Notification received about the order 4) Click on view order to see the order 5) Check the order 6) Accept order 7) Order forwarded to the chef 8) Timer started
Alternative Flow	5 a)check order 1) check the order status 2) if customer want to check the order status 3) staff will tell him the status of his order status 4) use case resume from step 6
Exceptions	1) Order placed is not available in the menu or out of stock 2) Order declined 3) Message passed to the customer 4) Request removed from the order list
Assumptions	1) Restaurant is logged in 2) Restaurant menu is fully working and updated 3) System is connected to database
Special Requirements	N/A
Note and Issues	N/A

Table 8 Use Case 6 Report User

Name	Report user
ID	2.3
Description	This will help prevent the restaurant from the people who order and don't show up. The people who will not show up two times after ordering they can be banned
Actors	Staff, Database
Frequency of use	medium
Triggers	When the restaurant staff will generate the request using the command provided in the system
Pre-conditions	1) Staff member logged in 2) The customer to be reported is registered with the system 3) Customer has not shown up twice after placing ad confirming the order
Post conditions	The customer will be banned from ordering through this system
Normal Flow	1) Login to the system 2) check the name of customer in the list of registration 3) check how many times he has missed his order 4) write his id and name 5) press ban button 6) message shown saying customer xyz has been banned
Alternative Flow	3 a) check how many times he has missed his order 1) customer did not miss 2 times

	2) the ban request will be cancelled automatically
Exceptions	1) the id or name is invalid 2) the id entered is already banned 3) use case will be resume from step 3
Assumptions	1) customer record is saved 2) he has placed order a minimum of twice 3) at least one restaurant has send a request for ban
Special Requirements	
Note and Issues	

Table 9 Use Case 7 Search Restaurant

Name	Search restaurant
ID	3.1
Description	The customer can search for the restaurant where he wants to dine or he can search for the food he is looking for
Actors	Customer

Frequency of use	Medium
Triggers	When customer enters a name in search box and clicks search
Pre-conditions	1) customer is online 2) Customer is logged in
Post conditions	The search returns all the places or food searched by customer
Normal Flow	1) Customer logs in 2) Goes to search box and enters a restaurant to search 3) Press search button 4) A list of places and food will show on screen to select
Alternative Flow	1) Customer logs in 2) Goes to search box and enters a food item to search 3) Press search button 4) A list of places and food will show on screen to select
Exceptions	1) The food entered does not exist 2) The restaurant does not exist
Assumptions	1) restaurant need to be in the list which user is searching 2) customer search from application
Special Requirements	N/A
Note and Issues	N/A

Table 10 Use Case 8 Search Deal

Name	Search deal
ID	3.3
Description	The customer can search for the deal where he wants to dine in
Actors	Customer
Frequency of use	Medium
Triggers	When customer enters a name in search box and clicks search
Pre-conditions	1) customer is online 2) Customer is logged in
Post conditions	The search returns all the deals related to the one entered
Normal Flow	1) Customer logs in 2) Goes to search box and enters a deal to search 3) Press search button 4) A list of places with deals and food will show on screen to select
Alternative Flow	1) Customer logs in 2) Goes to search box and enters a restaurant to search 3) Press search button 4) A list of restaurant will show on screen to select 5) customer will select the craving restaurant 6) customer will see the detail of the given restaurant

Exceptions	1 a) The deal entered does not exist 1) the message will show that deal is not in the menu 2) use case will resume from step 3 2a) The restaurant does not exist 1) the message will show that restaurant is not in the list 2) use case will resume from step 3
Assumptions	
Special Requirements	
Note and Issues	

Table 11 Use Case 9 Report Restaurant

Name	Report Restaurant
ID	3.4

Description	This will give restaurant a warning to be careful and take care of their customers. If more than 10 % of people visiting have reported the restaurant it will be put on priority for a period of time
Actors	Customer, Database
Frequency of use	Medium
Triggers	When the customer will generate the request using the command provided in the app or web page
Pre-conditions	1) customer logged in 2) The restaurant to be reported is registered with the system 3) the time mentioned for the order to be served was delayed
Post conditions	The restaurant will be put on priority
Normal Flow	1) Login to the system 2) check the name of restaurant in the list of registration 3) check how many times the order is delayed 4) write restaurant name and location 5) press ban button 6) message shown saying restaurant xyz has been banned
Alternative Flow	3) check how many times he has missed his order a) restaurant delayed the order 3 times b) the ban request will be cancelled automatically
Exceptions	1) the restaurant name and location is invalid 2) the restaurant is already banned

Assumptions	1) restaurant record is saved 2) at least 10% of customers visiting restaurant have send a request for ban
Special Requirements	
Note and Issues	

Table 12 Use Case 10 Feed Back

Name	Feedback
ID	3.5
Description	The customer can give their feedback about the restaurant which will show in the slider in feedback section
Actors	Customer
Frequency of use	Medium
Triggers	When user going to give the feedback about the restaurant
Pre-conditions	1. User need to login in the system 2. User must give his email
Post conditions	1. The user feedback show on the website
Normal Flow	1. The user will press login button

	2. The user will enter the username and password 3. If the username and password is valid then it will login 4. User will go to the feedback section 5. If he wants to give feedback, he will leave comment 6. User must need to give a valid email address 7. The feedback will be show in the slider
Alternative flow	5a) user give feedback 1. The feedback goes to the staff 2. They will choice which feedback to show on the website section 3. Use case will remain from step 5
Exceptions	6a) user give email address 1. Email invalid 2. Show message that email is invalid give valid email
Assumptions	User have the email address
Special requirements	N/A

Notes and Issues	N/A

Table 13 Use Case 11 Place Order

Name	Place order
ID	3.6
Description	The user will follow the steps to place an order
Actors	Customer, staff
Frequency of use	High
Triggers	
Pre-conditions	1) application installed on mobile phone or website running on my laptop 2) internet access
Post conditions	Return notification saying order placed
Normal Flow	1) run the app 2) login or signup 3) select a restaurant 4) select the items to order 5) select go on my order screen 6) input order details i.e. how many people, time of arrival in minutes 7) press submit 8) restaurant owner will accept the order

	9) customer will get a notification saying order accepted
Alternative Flow	1) run the application 2) select a restaurant 3) select the items to order 4) select go on my order screen 5) input order details i.e. how many people, time of arrival in minutes 6) press submit 7) pop up for signup or login 8) restaurant owner will accept the order 9) customer will get a notification saying order accepted
Exceptions	1) invalid username or password 2) error updating database due to low internet speed 3) input order details missing
Assumptions	1) mobile application installed 2) internet access available 3) website available
Special Requirements	
Note and Issues	

3.6 User interfaces (mock screens)

3.6.1 Android Application

Prototype 1: (P1) Custom Android application logo

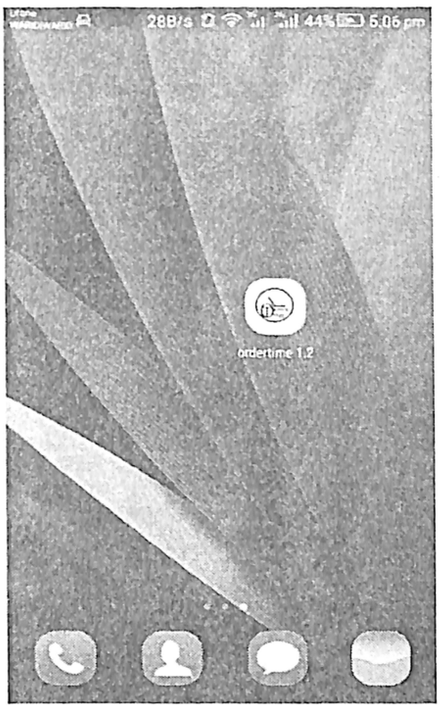

Figure 2 (P1) Custom Android application log

Prototype 2: (P2) Custom Startup Guide Screen 1

Figure 3 (P2) Custom Startup Guide Screen 1

Prototype 3: (P3) Custom Startup Guide Screen 2

Figure 4: (P3) Custom Startup Guide Screen 2

Prototype 4: (P4) Custom Startup Guide Screen 3

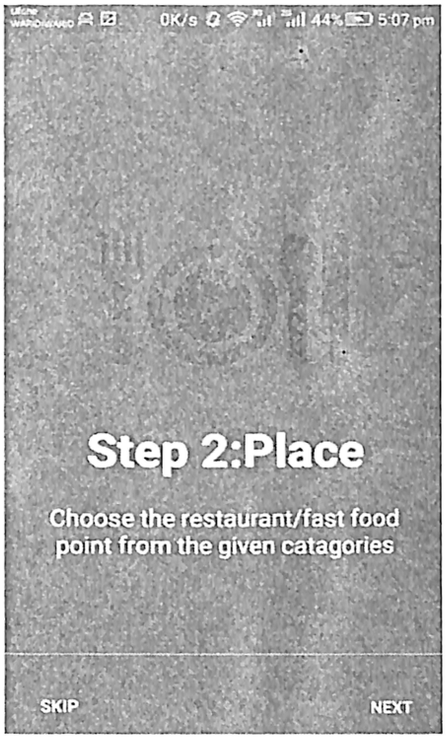

Figure 5: (P4) Custom Startup Guide Screen 3

Prototype 5: (P5) Custom Startup Guide Screen 4

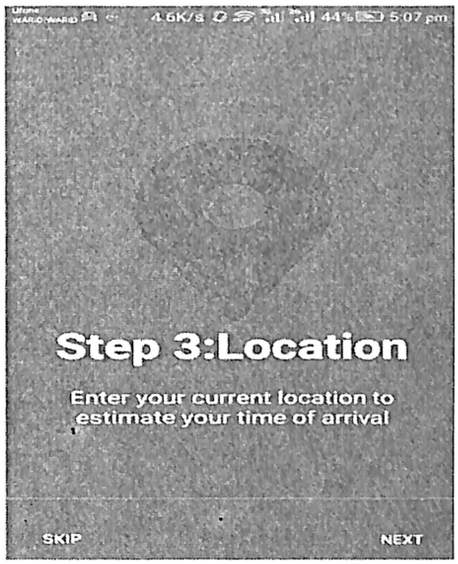

Figure 6 (P5) Custom Startup Guide Screen 4

Prototype 6: (P6) Custom Startup Guide Screen 5

Figure 7: (P6) Custom Startup Guide Screen 5

Prototype 7: (P7) Main Home Screen

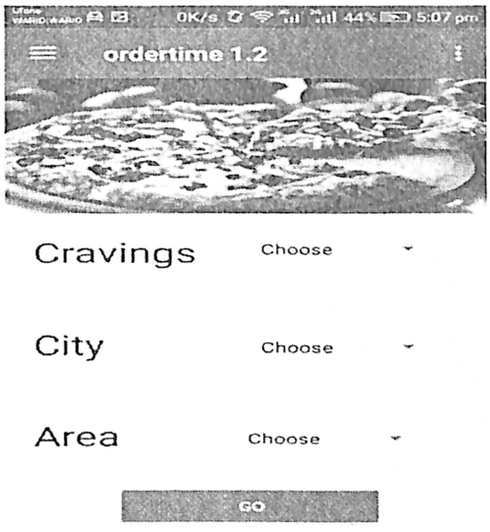

Figure 8 (P7) Main Home Screen

Prototype 8: (P8) Restaurant List

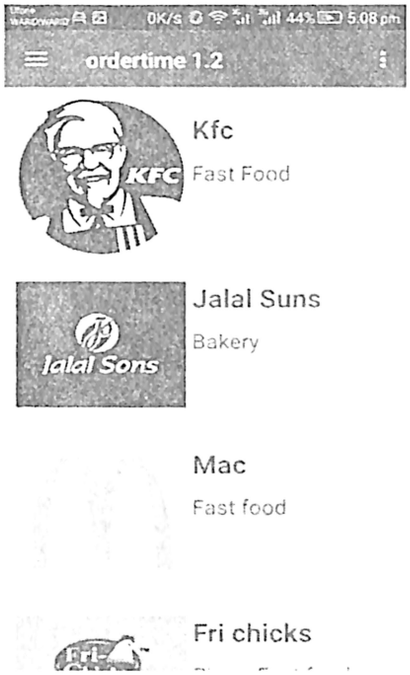

Figure 9 (P8) Restaurant List

Prototype 9: (P9) Deals List

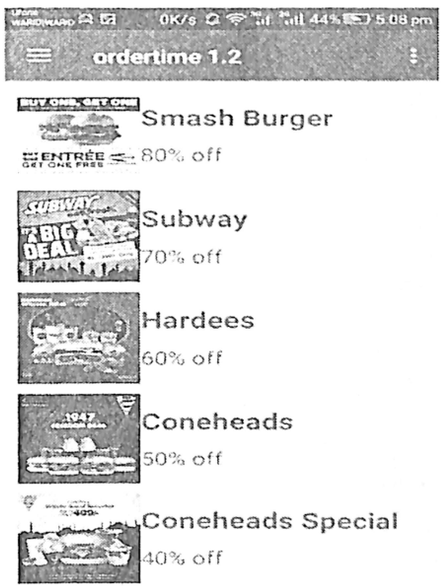

Figure 10 (P9) Deals List

Prototype 10: (P10) My Order Screen

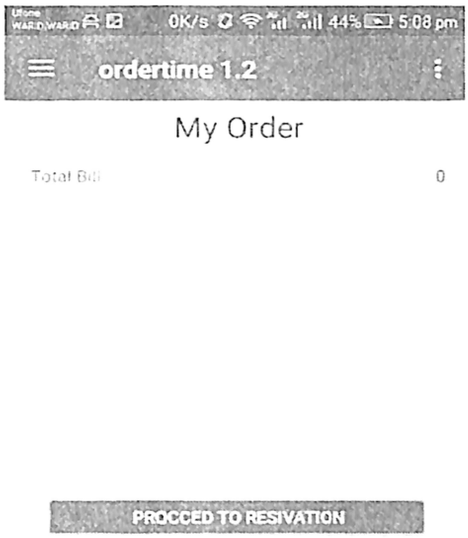

Figure 11 (P10) My Order Screen

Prototype 11: (P11) Info and Contact Us

Figure 12 (P11) Info and Contact Us

Prototype 12: (P12) Login Screen

Figure 13 (P12) Login Screen

Prototype 13: (P13) Craving drop down

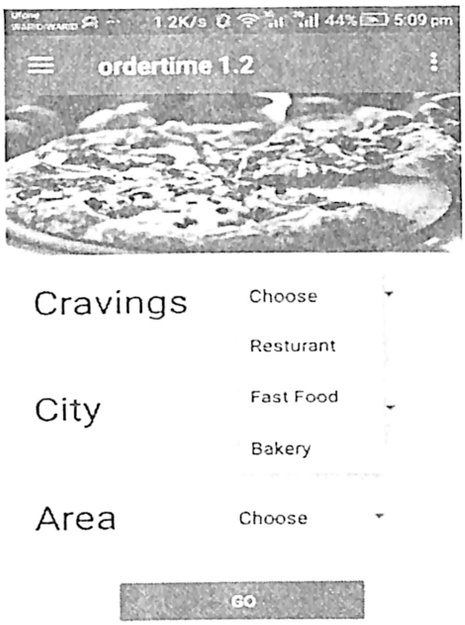

Figure 14 (P13) Craving drop down

Prototype 14: (P14) City drop down

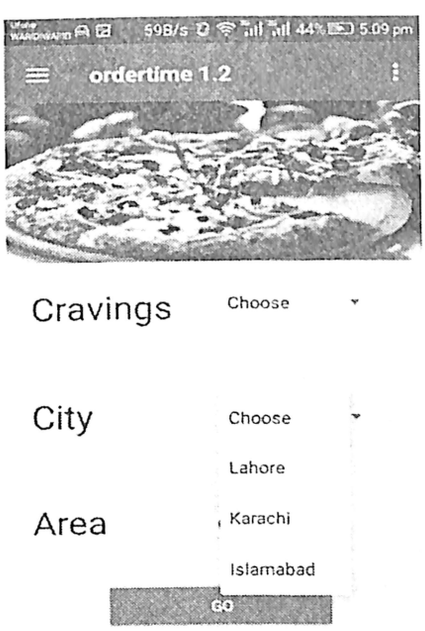

Figure 15 (P14) City drop down

Prototype 15: (P15) Area drop down

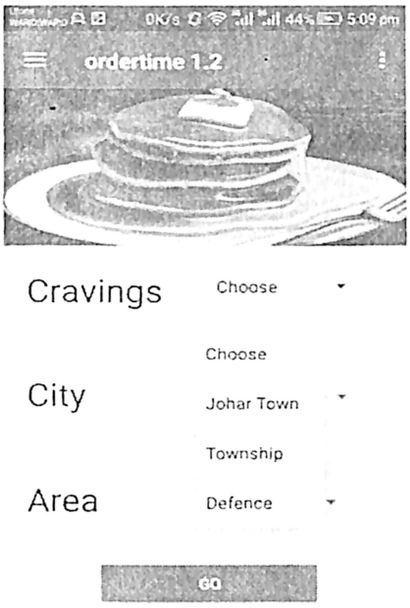

Figure 16 (P15) Area drop down

Prototype 16: (P16) Search Result

Figure 17 (P16) Search Result

Prototype 17: (P17) Restaurant Home Screen

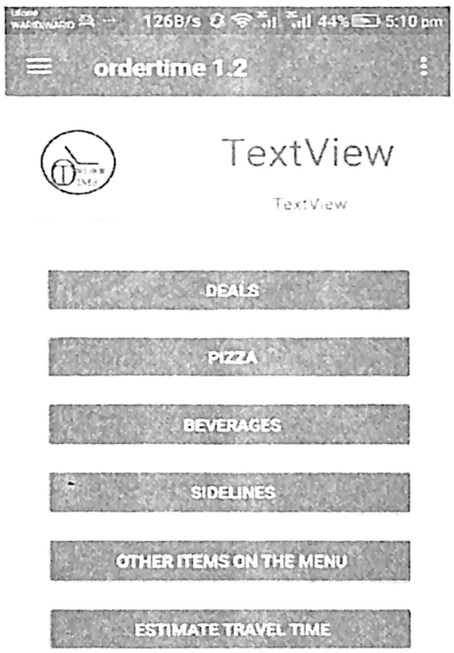

Figure 18 (P17) Restaurant Home Screen

Prototype 18: (P18) Restaurant Deals Page

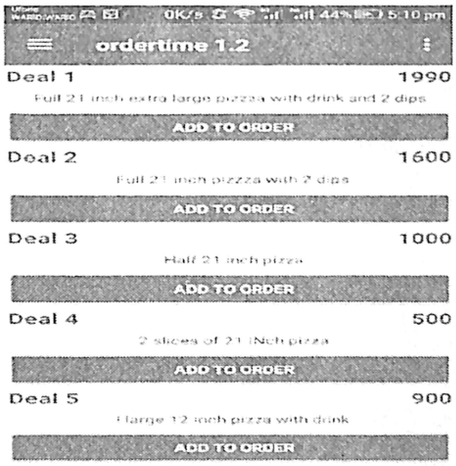

Figure 19 (P18) Restaurant Deals Page

Prototype 19: (19) Deal Detail Popup

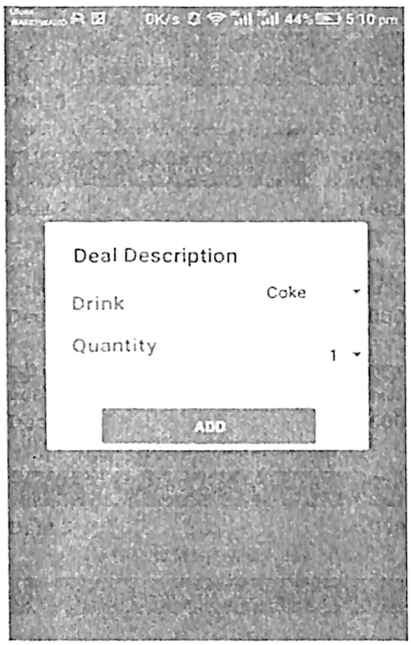

Figure 20 (P19) Deal Detail Popup

Prototype 20: (P20) Popup Drink drop down

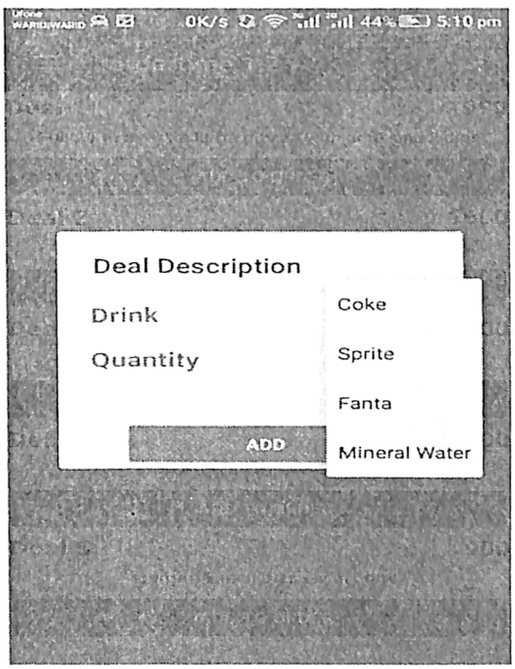

Figure 21 (P20) Popup Drink drop down

Prototype 21: (P21) Pop Quantity drop down

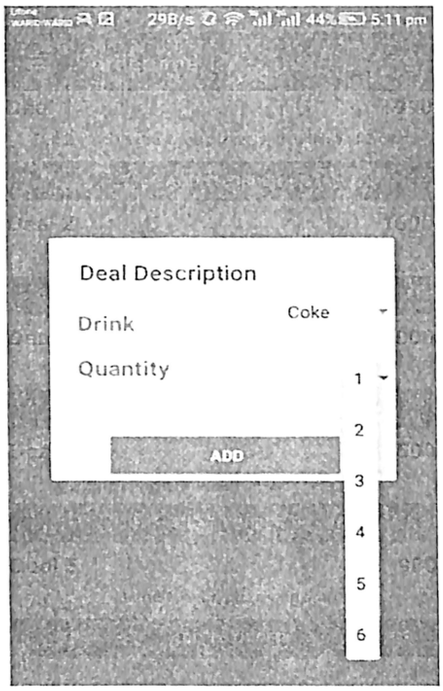

Figure 22 : (P21) Pop Quantity drop down

Prototype 22 :(P22) Updated My order

Figure 23 :(P22) Updated My order

Prototype 23: (P23) Order detail

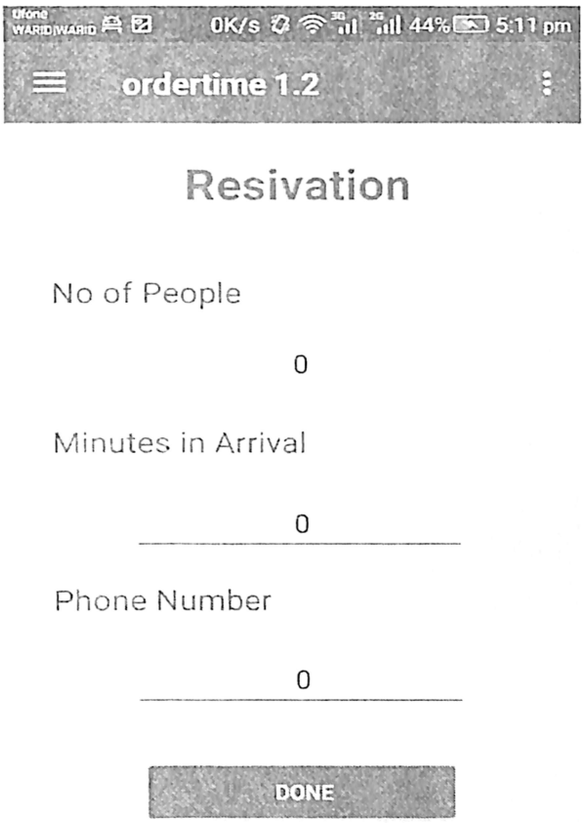

Figure 24 (P23) Order detail

3.6.2 Website

Prototype 24: (P24) Home page

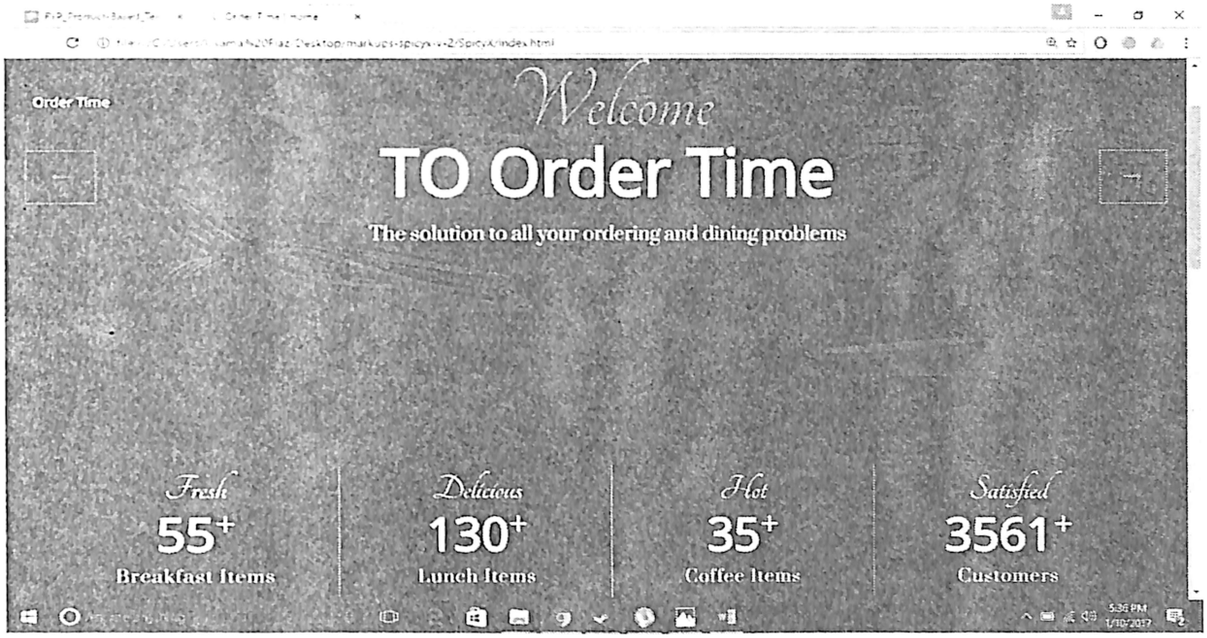

Figure 25 (P24) Home page

Prototype 25: (P25) Categorization of restaurants and food joints (Desi)

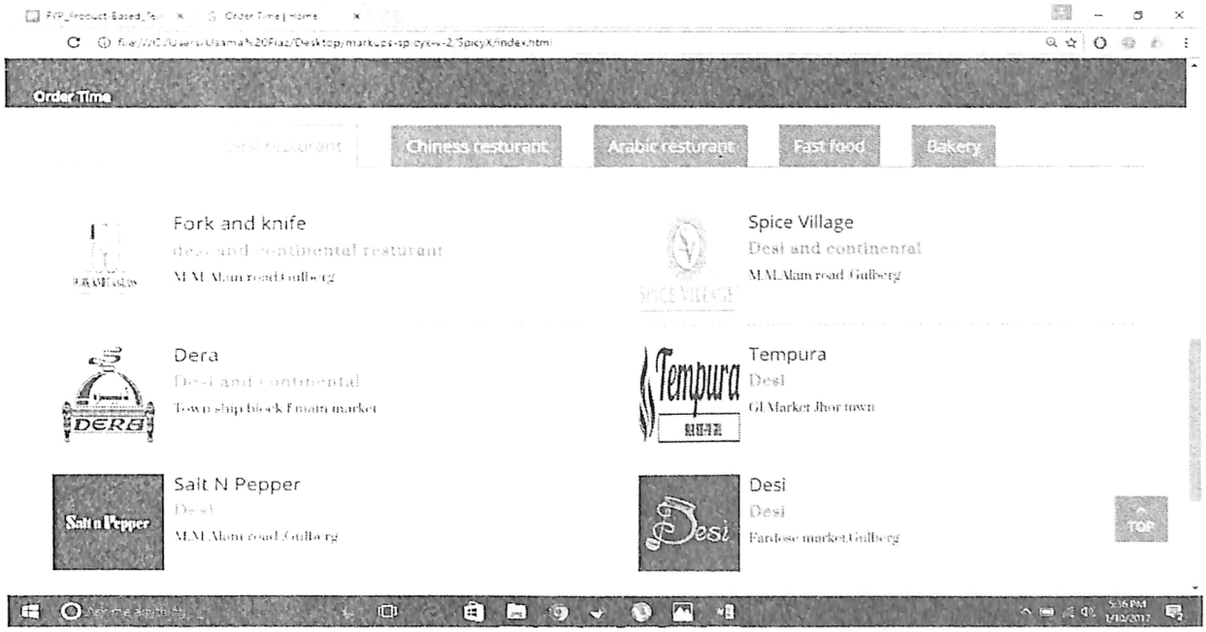

Figure 26 (P25) Categorization of restaurants and food joints (Desi)

Prototype 25: (P25) Categorization of restaurants and food joints (Chinese)

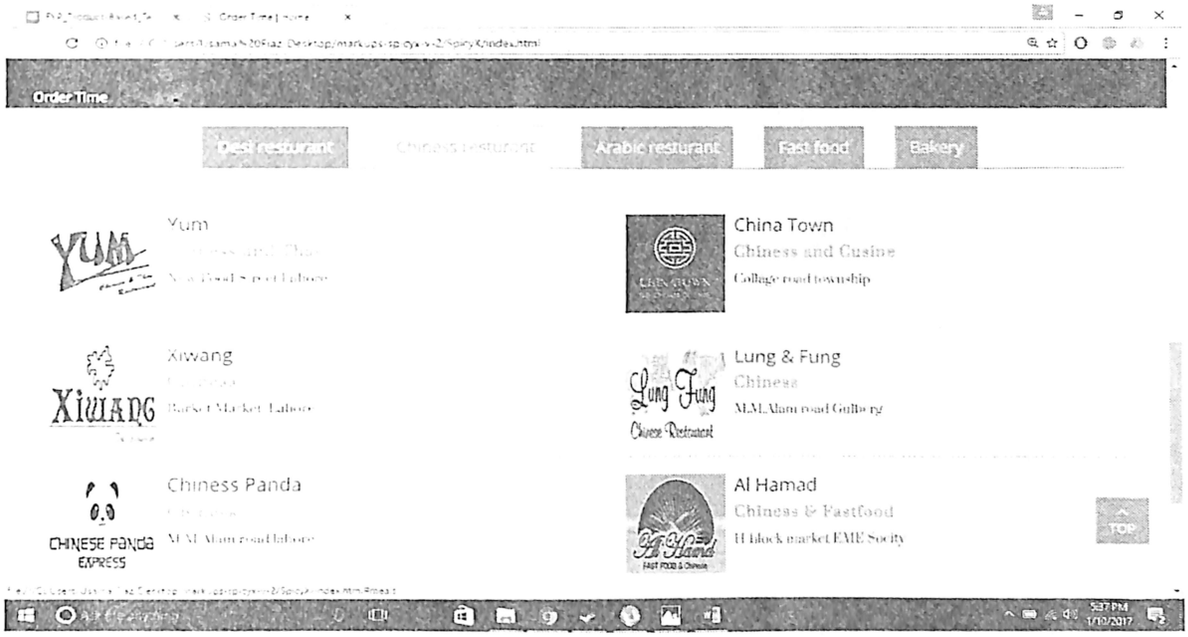

Figure 27 (P25) Categorization of restaurants and food joints (Chinese)

Prototype 26: (P26) Categorization of restaurants and food joints (Arabic)

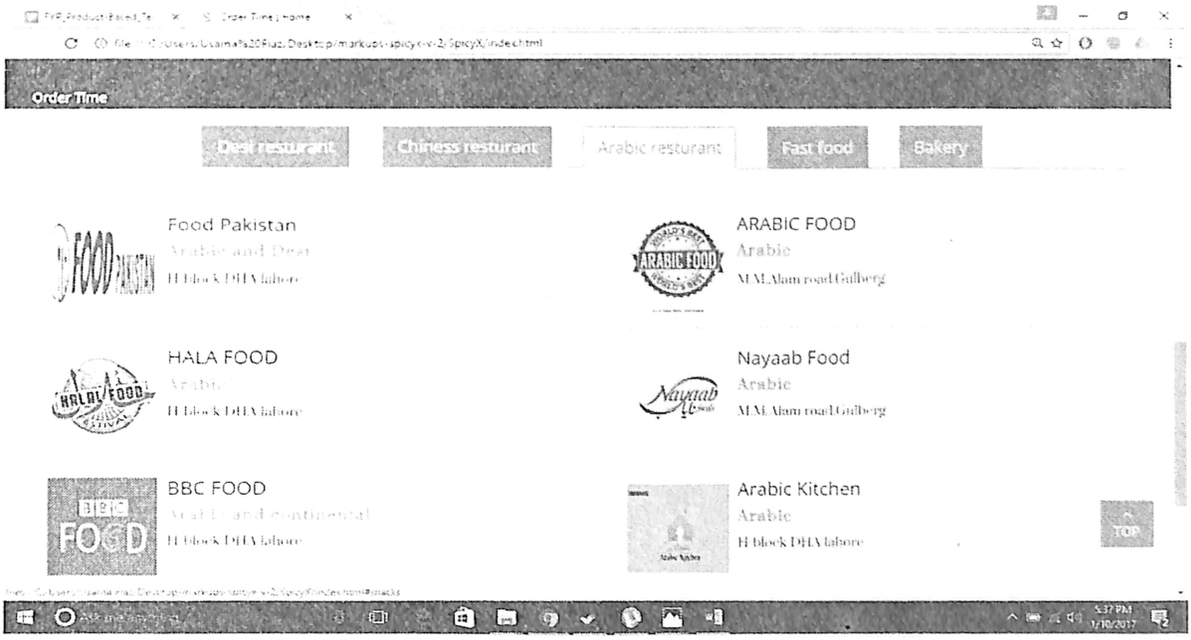

Figure 28 (P26) Categorization of restaurants and food joints (Arabic)

Prototype 27: (P27) Categorization of restaurants and food joints (Fast Food)

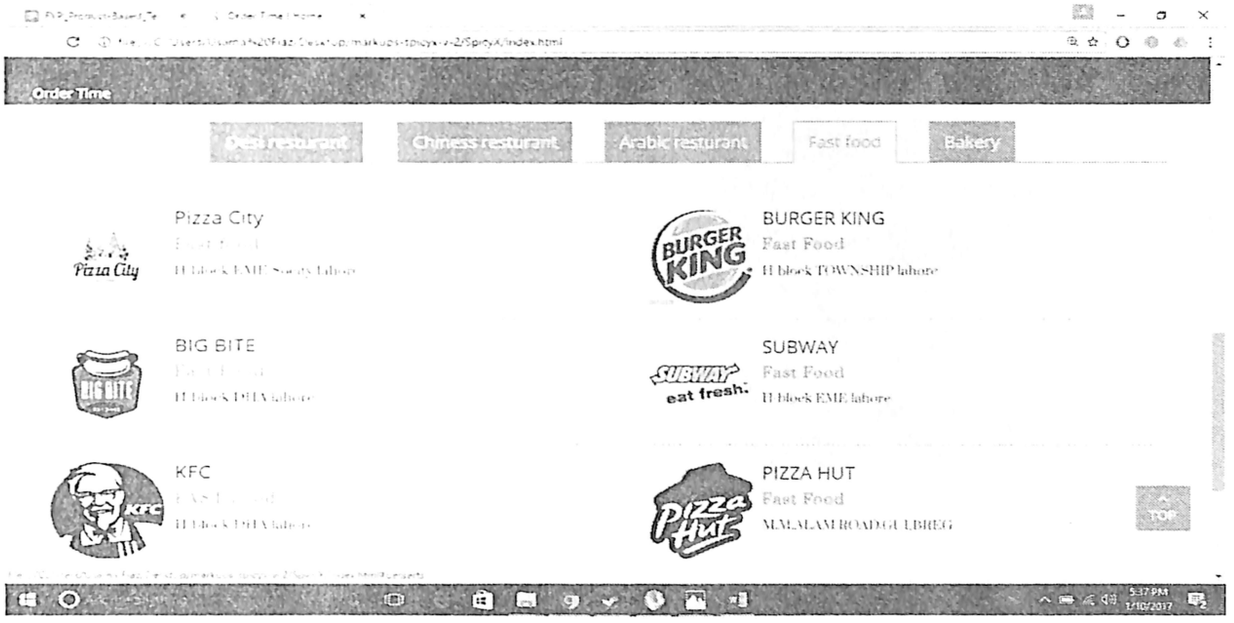

Figure 29 (P27) Categorization of restaurants and food joints (Fast Food)

Prototype 28: (P28) Categorization of restaurants and food joints (Bakery)

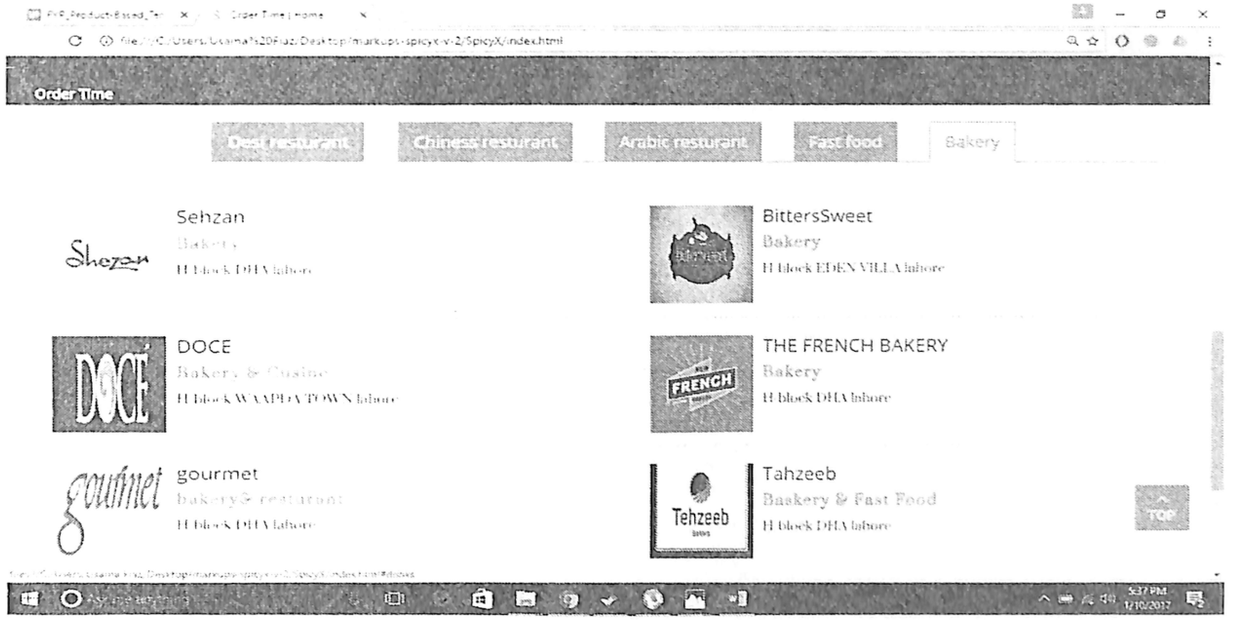

Figure 30 (P28) Categorization of restaurants and food joints (Bakery)

Prototype 29: (P29) Restaurant home page

*Figure 31 : (P29) **Restaurant** home page*

Prototype 30: (P30) Restaurant menu page

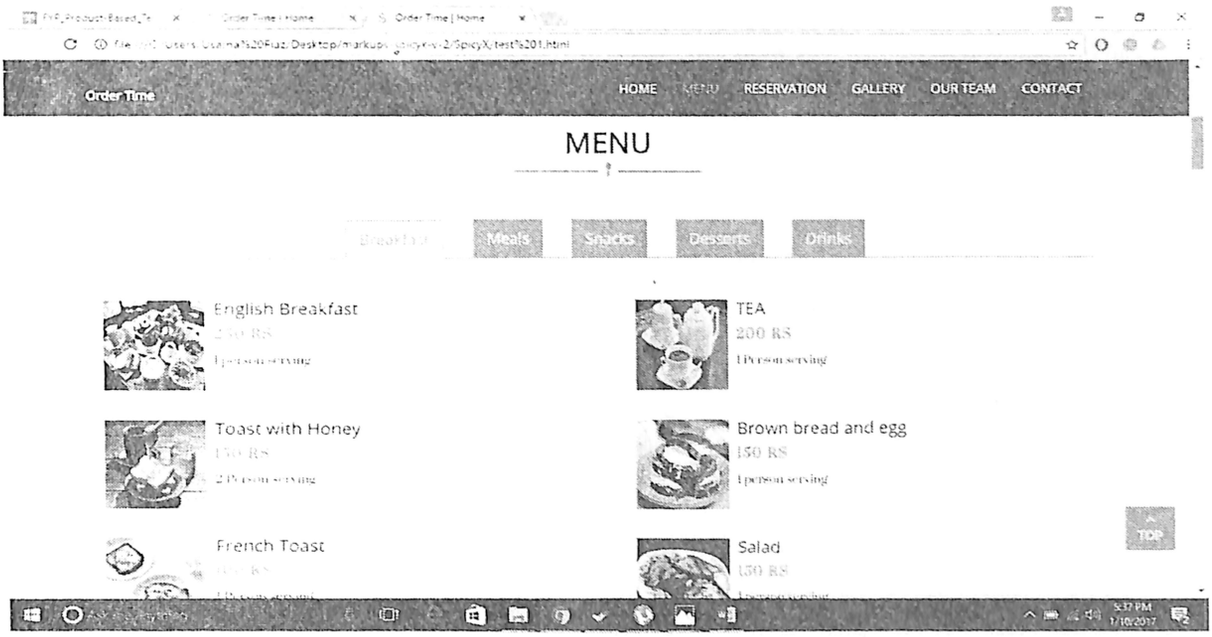

Figure 32 (P30) Restaurant menu page

Prototype 31: (P31) Restaurant deals/meals page

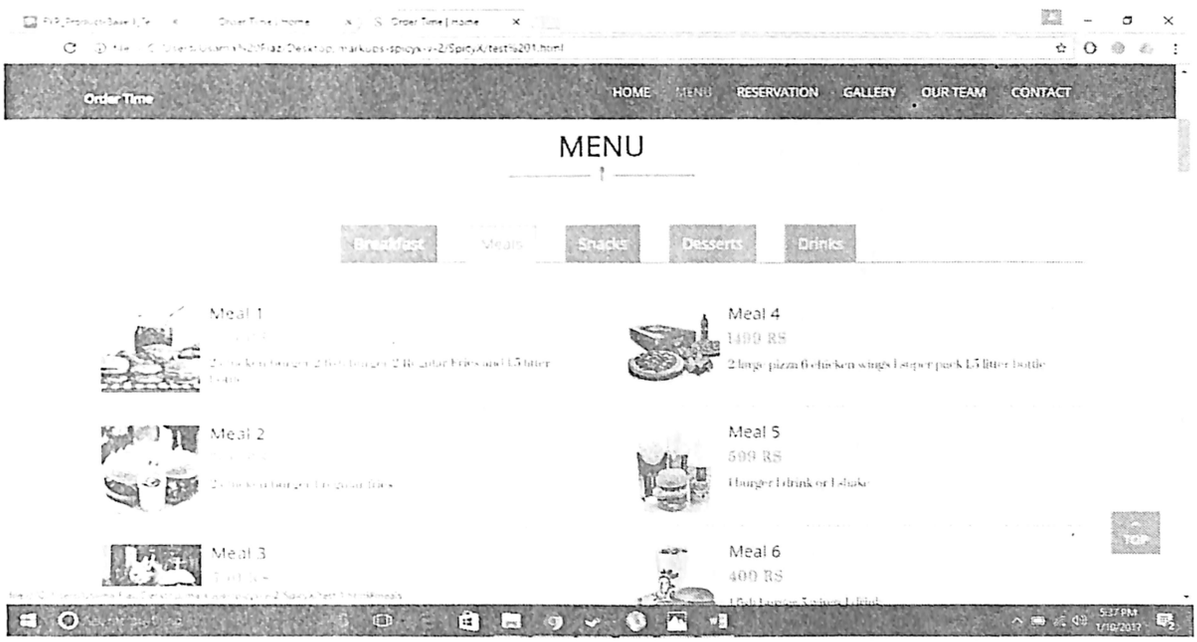

Figure 33 (P31) Restaurant deals/meals page

Prototype 32: (P32) Restaurant snacks/sideline page

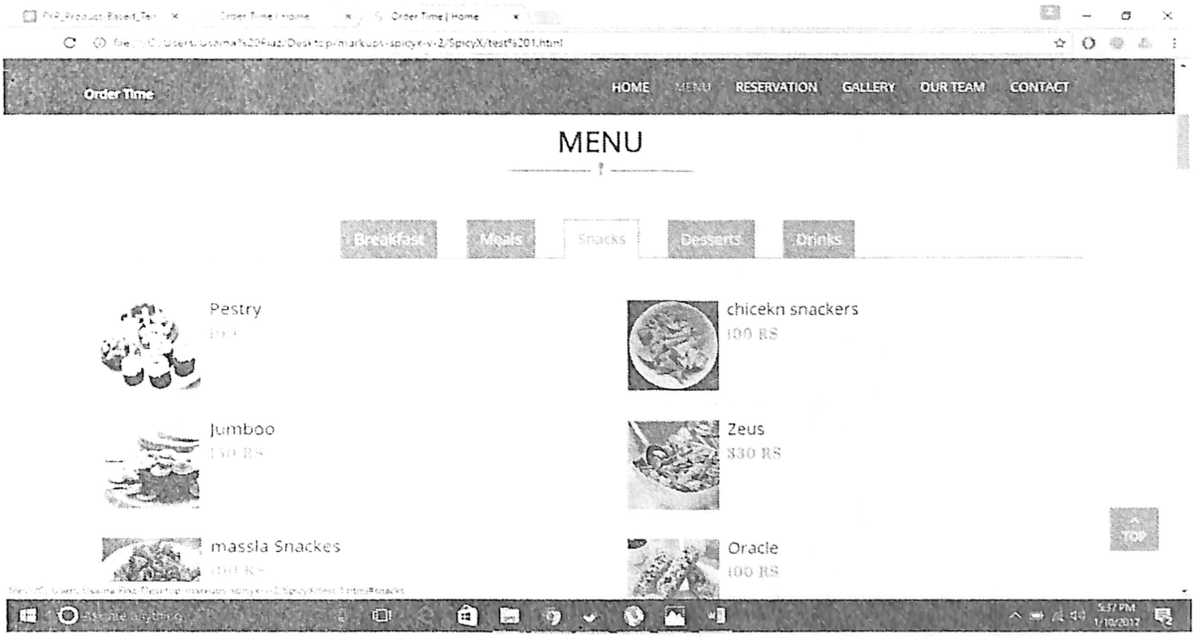

Figure 34 (P32) Restaurant snacks/sideline page

Prototype 33: (P33) Restaurant desserts page

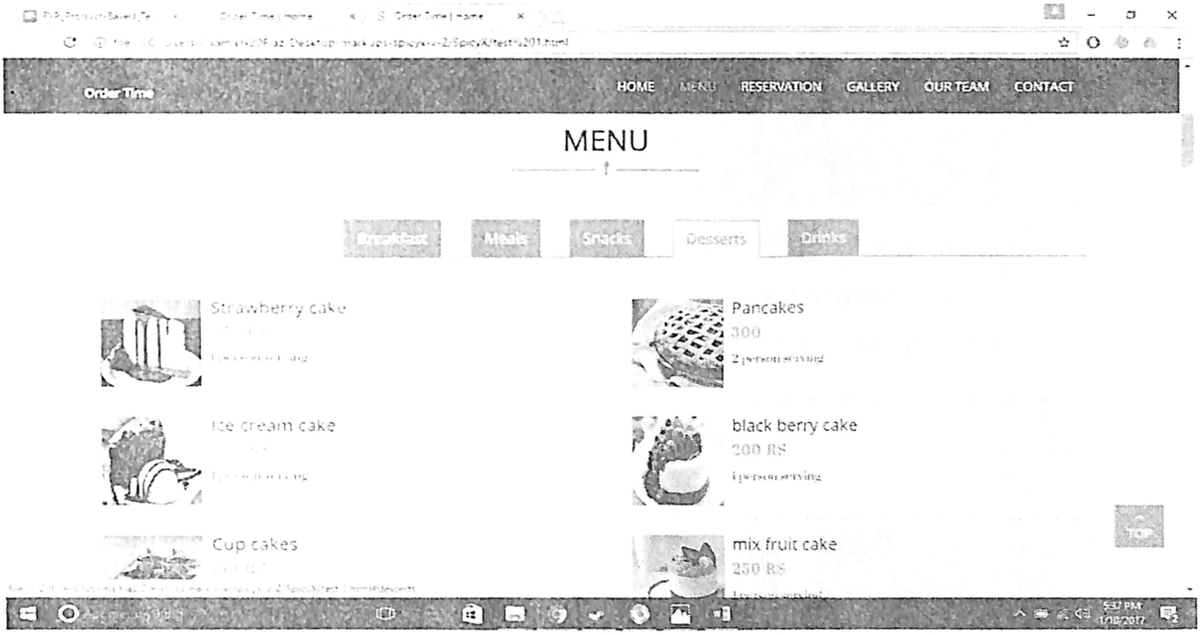

Figure 35 (P33) Restaurant desserts page

Prototype 34: (P34) Restaurant drinks page

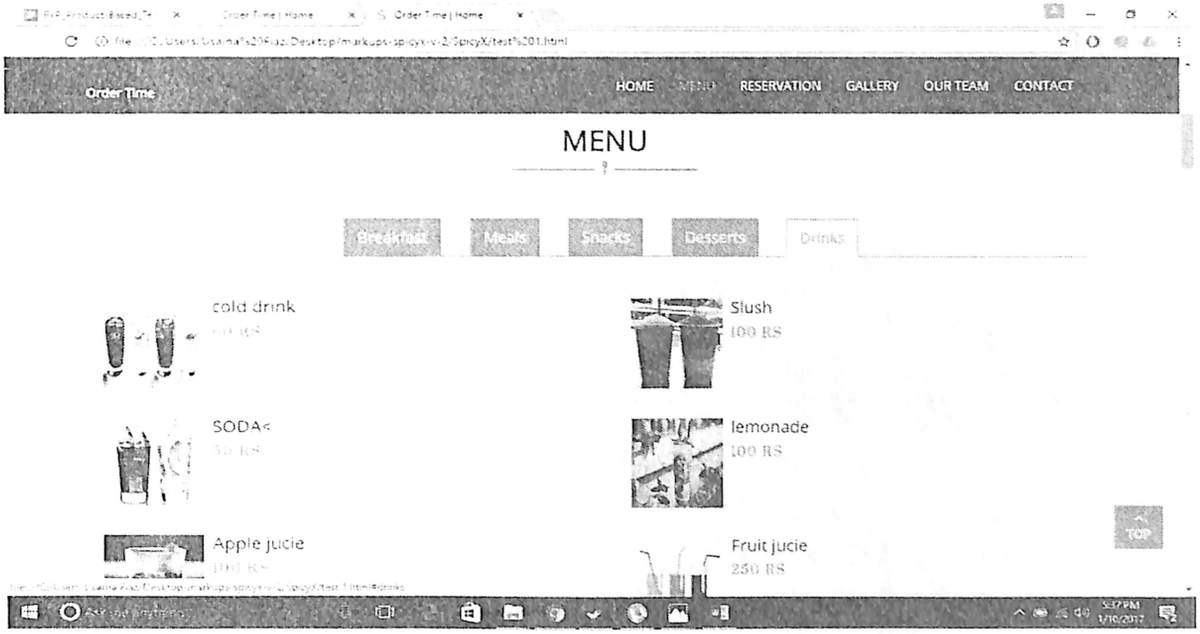

Figure 36 (P34) Restaurant drinks page

Prototype 35: (P35) Restaurant reservation page

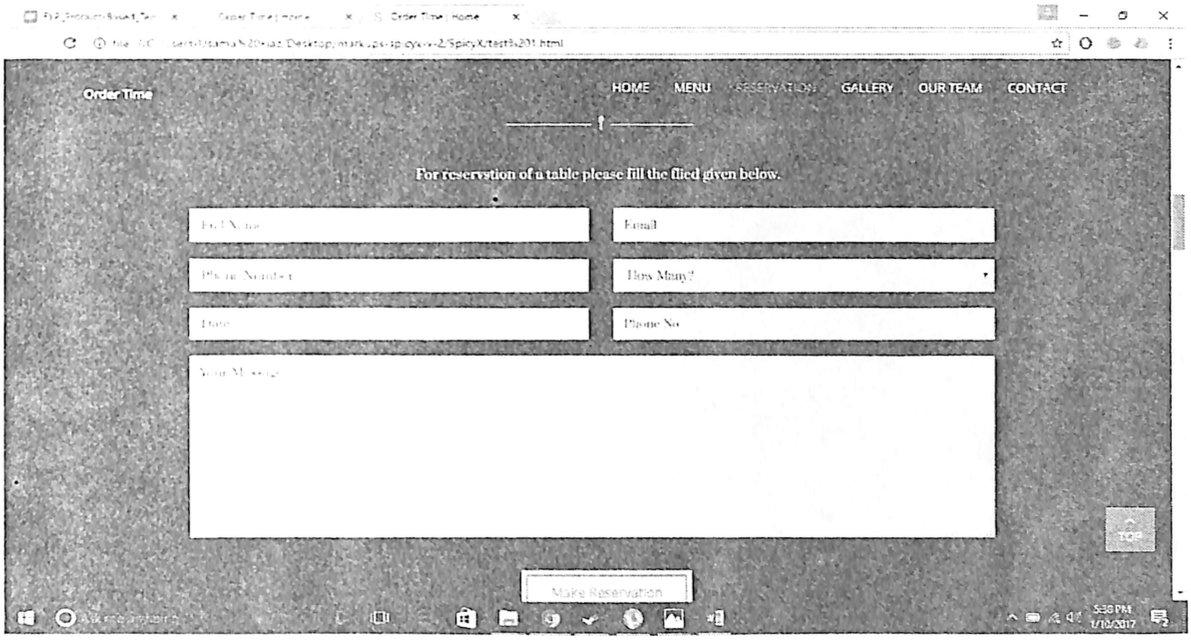

Figure 37 (P35) Restaurant reservation page

Prototype 35: (P35) Restaurant gallery page

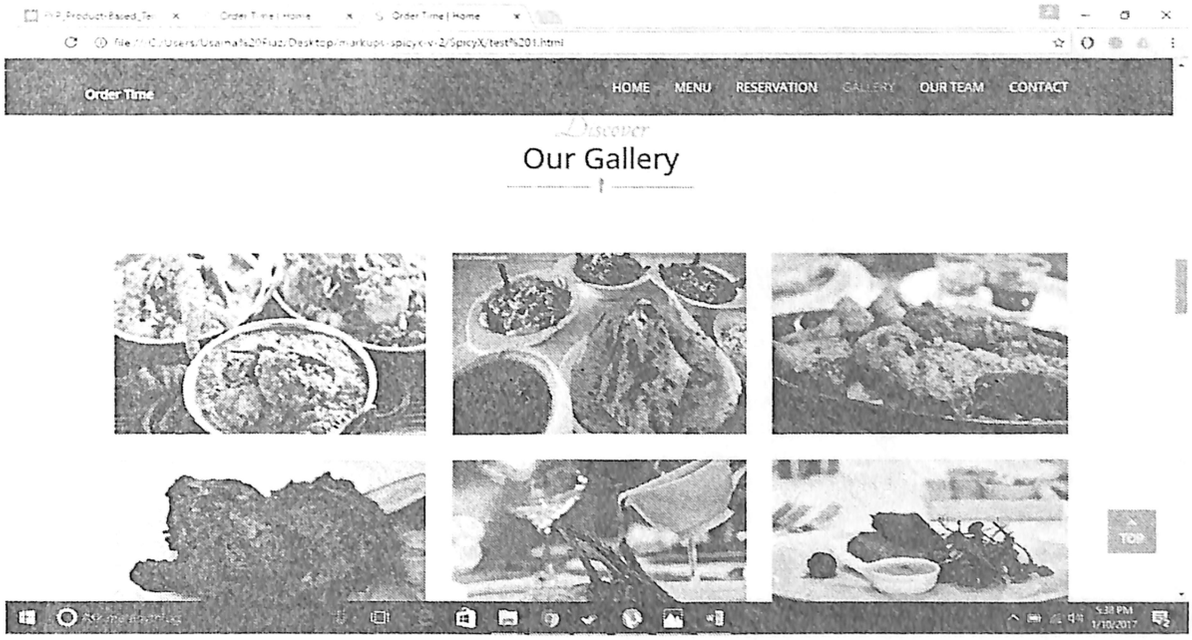

Figure 38 (P35) Restaurant gallery page

Prototype 36: (P36) Restaurant comments and review page

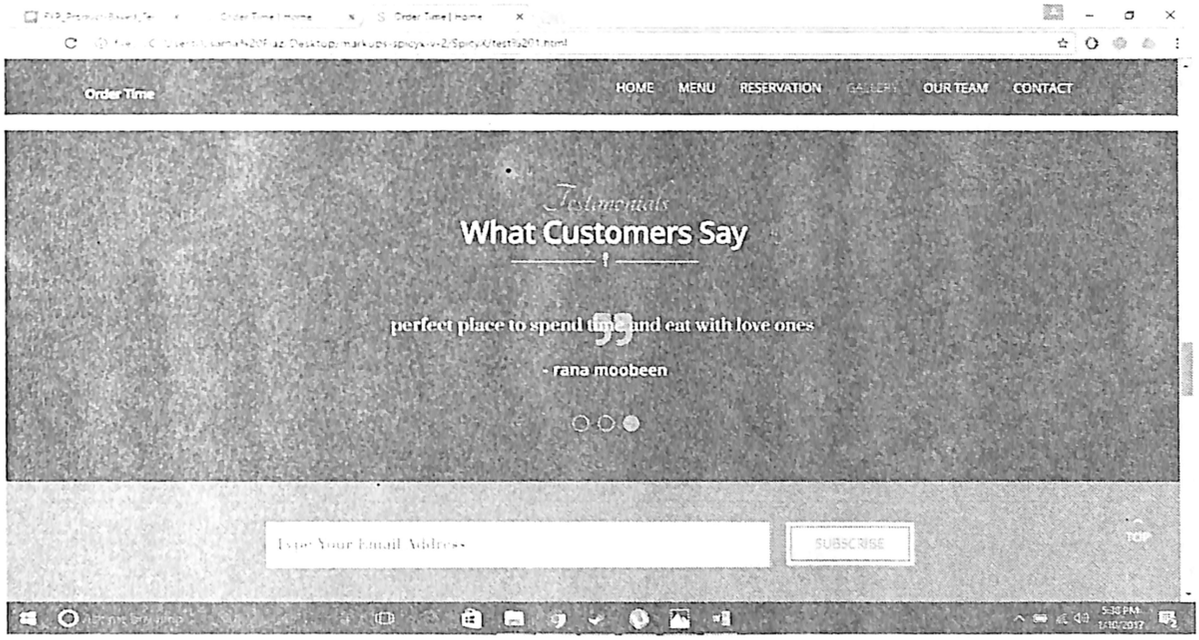

Figure 39 (P36) Restaurant comments and review page

Prototype 37: (P37) Restaurant team page

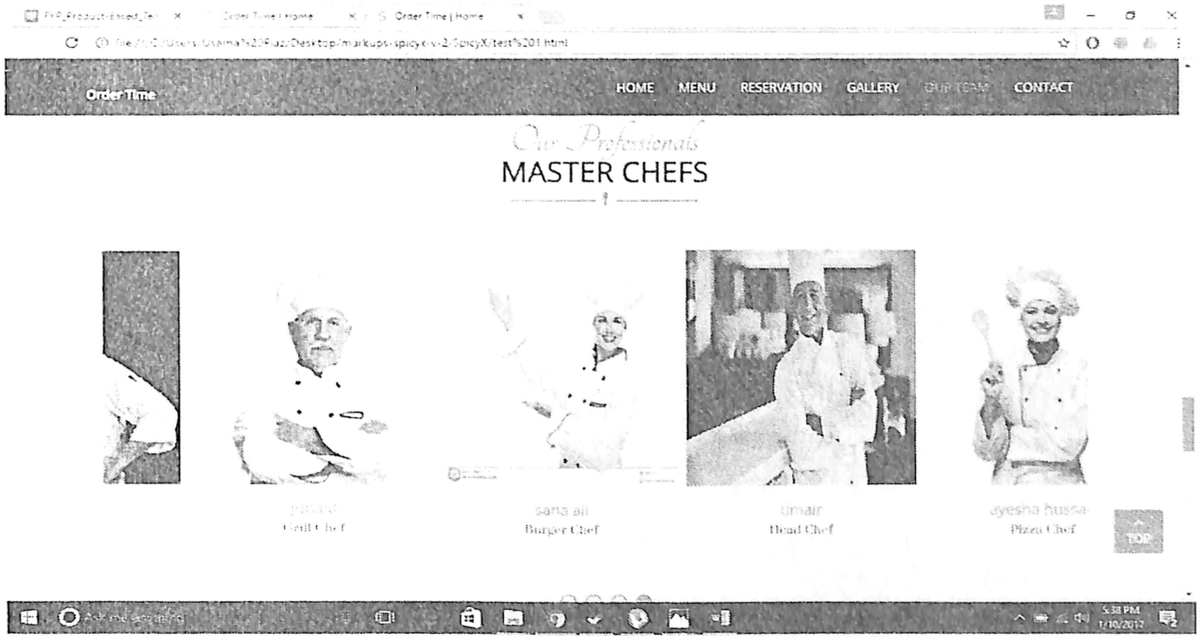

Figure 40 (P36) Restaurant comments and review page

Prototype 38: (P38) Restaurant contact us page

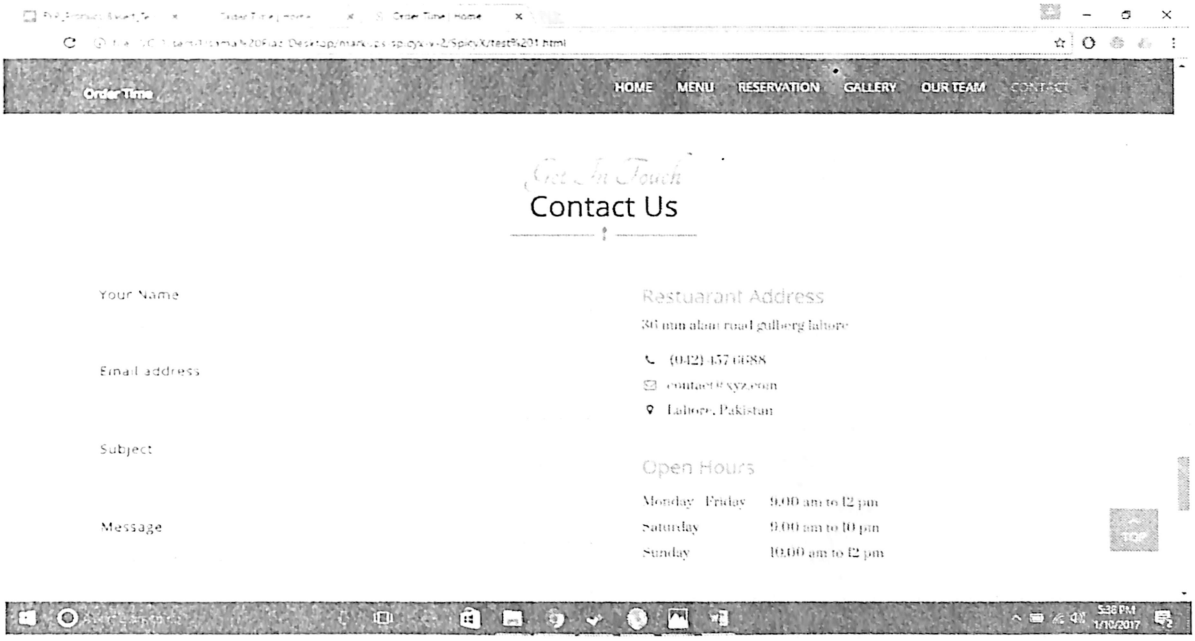

Figure 41(P38) Restaurant contact us page

Prototype 39: (P39) Restaurant google map location page

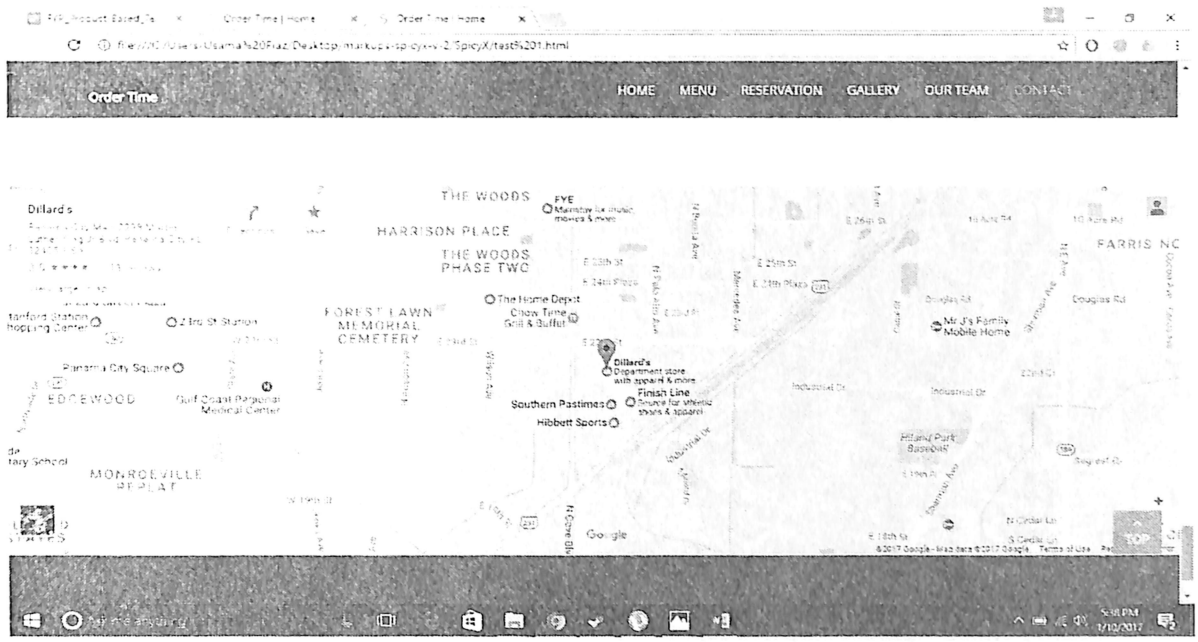

Figure 42 (P39) Restaurant google map location page

4. DATA FLOW DIAGRAM (OPTIONAL)

4.1 System Architecture Diagram

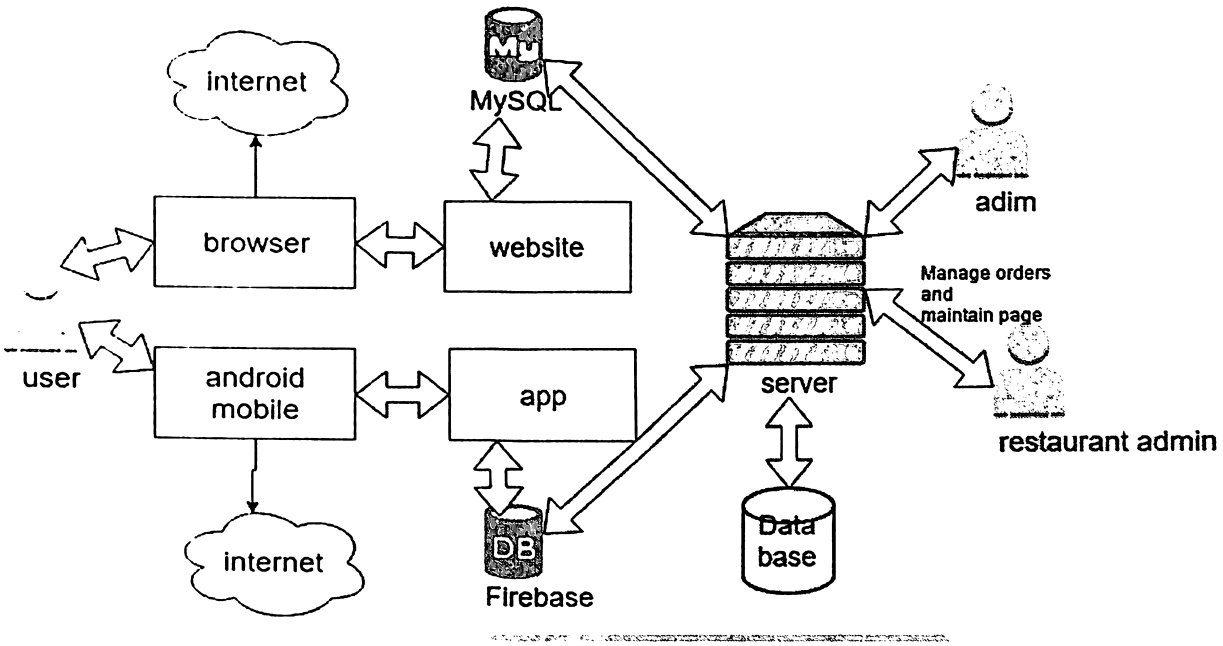

Figure 43 System Architecture Diagram

Figure 2: System Architecture

4.2 Class Diagram

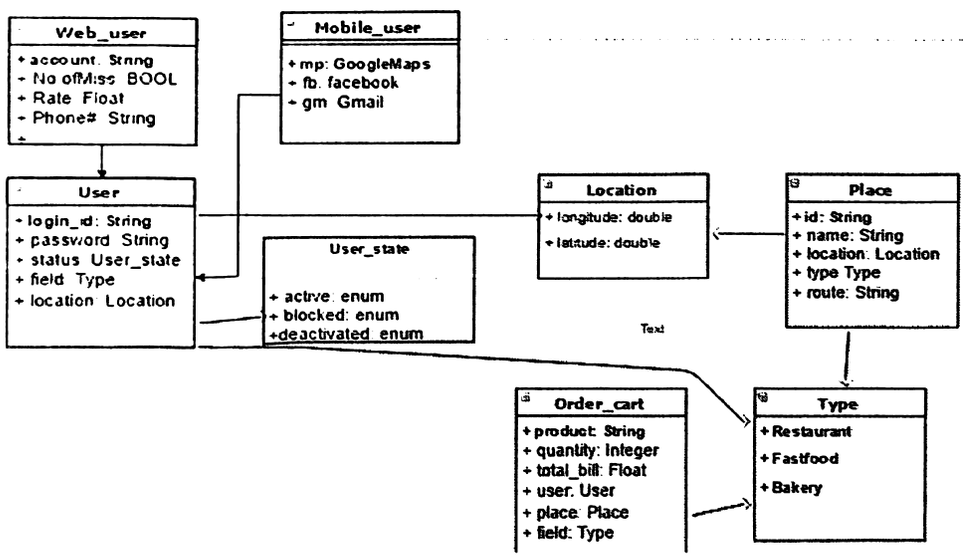

Figure 44

4.3 Sequence Diagrams

Login

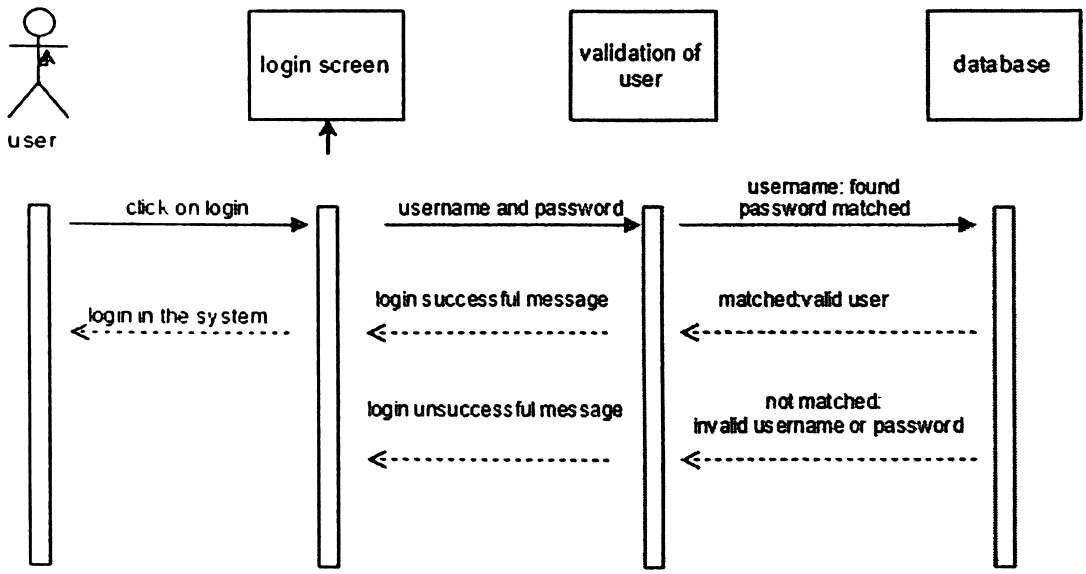

Figure 45 Sequence Diagram login

Order

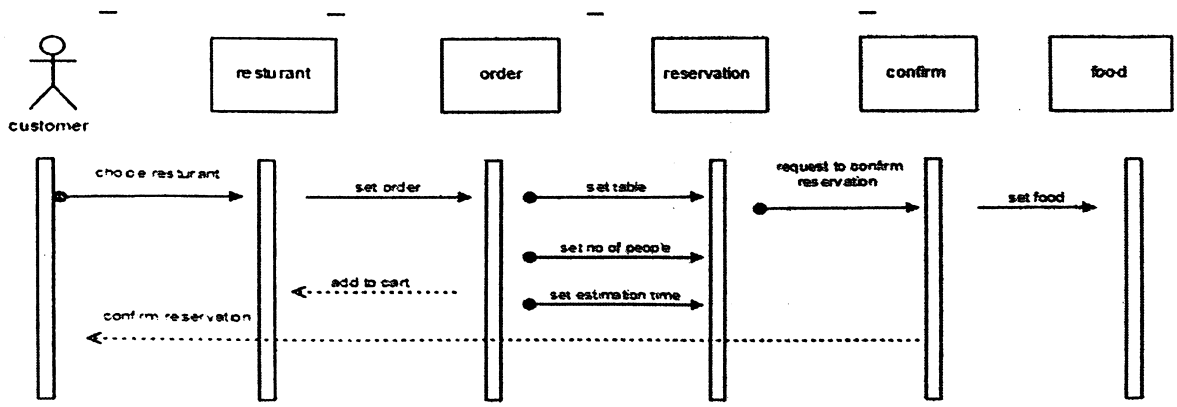

Figure 46 Sequence Diagram order

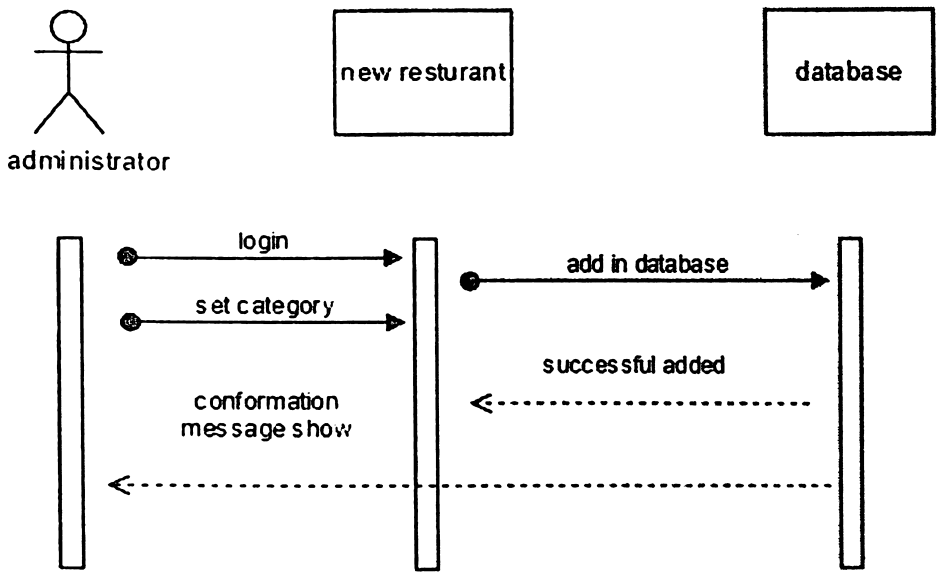

Figure 47 Sequence Diagram add restaurant

4.4 Collaboration Diagrams

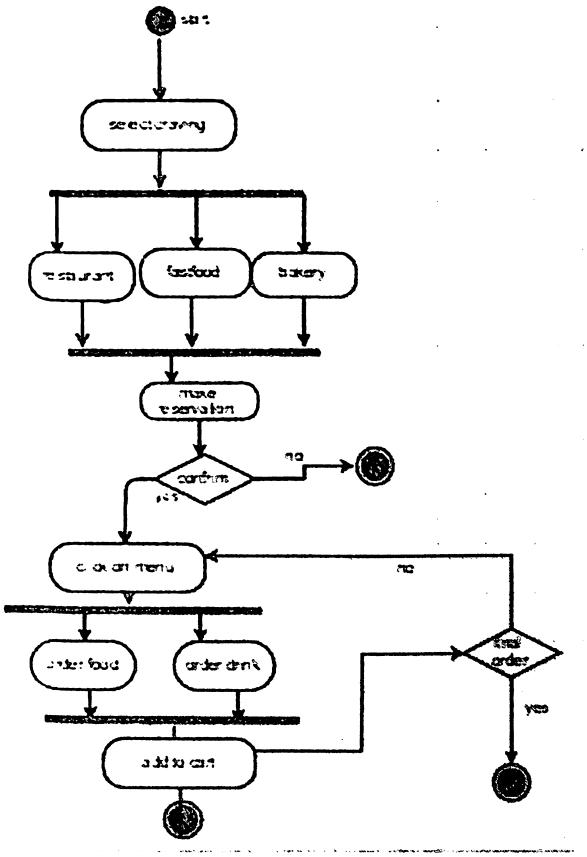

Figure 48 Collaboration Diagrams

4.5 ERD

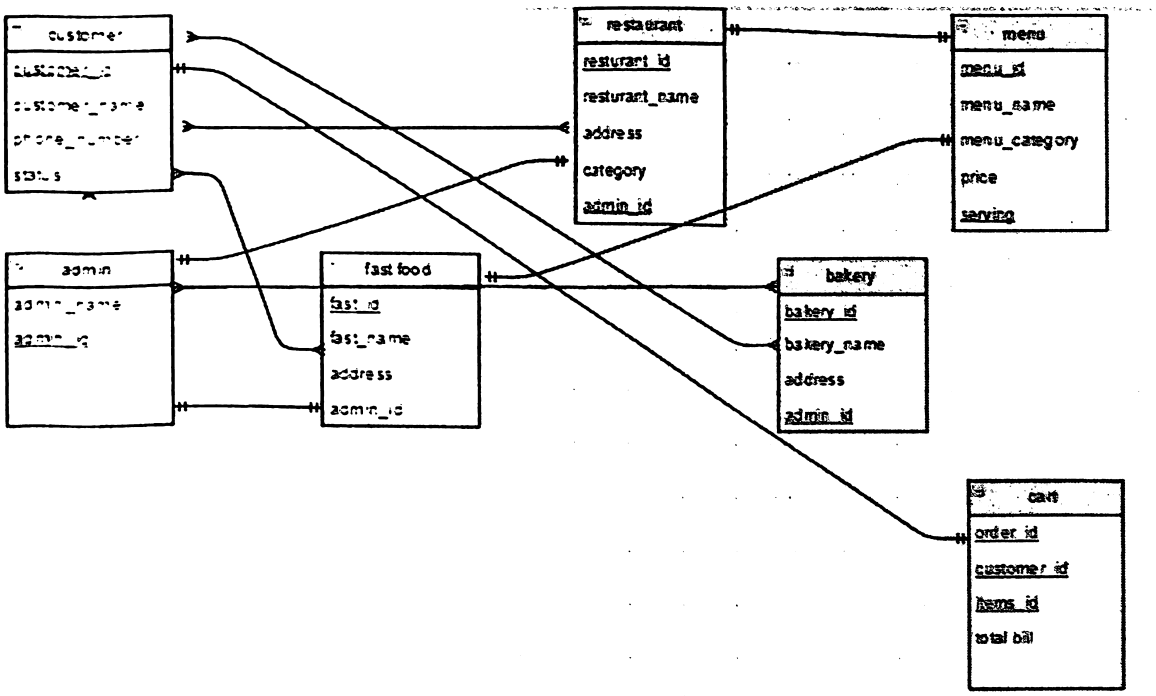

Figure 49 ERD

4.6 Data Dictionary

Database: order-time, Table: admin, Purpose: Dumping data

id	username	password
1	03234654609	3b712de48137572f3849aabd5666a4e3

Figure 50 Admin

Database: order-time, Table: buy, Purpose: Dumping data

id	user_id	name	email	mobile	city	pincode	address	booked time	dispatch time	status	status code	product stack
2	1	zubair husnain	zubairhusnain22@gmail.com	8962239913	lahore	462001	2 lakherapura bno	14999335585	0	Returned	6	7,
3	1	zubair husnain	zubairhusnain22@gmail.com	8962239913	lahore	462001	dwRF	1500292717	0	Canceled	5	1,6,3,1,
4	1	zubair husnain	zubairhusnain22@gmail.com	8962239913	lahore	462001	acawrg	1500293695	1500293783	Canceled	5	2,
5	1	zubair husnain	zubairhusnain22@gmail.com	8962239913	lahore	462001	ggaer32rwrse	1500294135	0	Processing	1	4,
6	3	as	asds@gmail.com	1234567891	lahore	123456	1111	1500536582	0	Canceled	5	5,
7	3	osama	osama@gmail.com	0325155452	lahore	121256	oscks	1500537068	0	Processed	2	7,4,
8	1	ff	z@hotmail.com	03364248849	ddd	121255	qf	1500874803	0	Canceled	5	9,
9	4	osaa	osaa@gmail.com	0325155452	lahore	123456	sasas	1501090414	0	Processing	1	16,
10	5	osama	aosama@gmail.com	0325155452	lahore	123456	sss	1501096210	0	Canceled	5	17,
11	5	osama	osama@gmail.com	0325155452	lahore	123456	ss	1501096374	0	Canceled	5	7,

Figure 51 Buy

Database: order-time, Table: cart, Purpose: Dumping data

id	product_id	user_id	active	buy_id
1	7	1	n	8
3	7	1	n	8
4	1	1	n	8
5	3	1	n	8
6	6	1	n	8
7	1	1	n	8
8	2	1	n	8
9	4	1	n	8
10	6	2	y	
13	5	3	n	7
14	4	3	n	7
15	7	3	n	7
16	9	1	n	8
17	20	1	y	
18	16	4	n	9
19	17	5	n	11
20	7	5	n	11
21	17	6	y	

Figure 52Cart

Database: order-time, Table: category, Purpose: Dumping data

id	name	image
7	Brakefast	images/1081d64a23f55b016db320e52cd7039d/635933105470950505-1562028560_Breakfast-Food-Idea-A1.jpg
8	Meal	images/5b2e540c2c0d21800e23dc1ef81908b7/special-meals.jpg
9	Snacks	images/8fcc7ae6d9bd48bf16f96859a7a02d76/streetfoodsnacks-page-banhmi-400x250.jpg
10	Desserts	images/3cafa1df26cf70d368d2372a1d03fa75/mince.pies.jpg

Figure 53 Category

Database: order-time, Table: product, Purpose: Dumping data

id	category	category id	name	image	description	mp	sp	off	shipping	tags
1	Meal	7	Wo-let	images/ce49821f806b65c7c70589be70d5ode3/imageGen.jpg	wdw	3000	2500	20%	10	wollet
2	Drinks	8	dwed	images/10761d91e72c17082a91a33985a9e167/mince.pies.jpg	cfdqw	3000	2500	20%	10	dqwdq
3	Meal	9	meal	images/fbd404a59c4702c948e755b8179b781c/special-meals.jpg	vfdv	600	400	20%	0	dwed
6	Meal	9	Banana pancakes	images/67a94d4c3a735a566e1c24633d8912e6/pic s2.jpg	1 person serving	600	400	20%	0	snacks
7	Snack	9	Vanilla pastry	images/6b39ca1ed07c5b7666 1bb4ee53c41f1b/pic s1.jpg	Snacks 1 person serving	600	400	20%	0	Snacks
12	Desserts	10	strawberry cheese cake	images/8ff75ec9efeb3c10ea7b2f0cedc90c68/pic d1.jpg	1 person serving	800	650	10	0	cake
13	Desserts	0	hazelnuts ice cream browne	images/76c3030ad96a8aa798936 38c84da2f0f/pic d2.jpg	1 Person Serving	850	600	0	0	ice cream
14	Desserts	0	pastry	images/0d18280166047e7fafe8bbc85c4441aa/pic d3.jpg	2 person serving	850	0	0	0	Desserts
15	Desserts	0	pancakes	images/0527c774256664a72e1c004271e114b7/pic d4.jpg	2 person serving	850	0	0	0	Desserts
16	Brakefast	0	Break Fast 1	images/22c36a1c5c52fe8960b2eb5a34f2abd3/pic 1.jpg	3 person serving	850	0	0	0	Break Fast
17	Brakefast	0	Honey and Bread	images/0aada96bd337b79c80e973508 50fc919/pic 2.jpg	1 person serving	450	0	0	0	Break Fast
18	Brakefast	0	French Toast	images/2d46d50cb1885ff110e012a96c83c016/pic 5.jpg	1 person serving	450	0	0	0	Break Fast
19	Brakefast	0	Tea	images/78f3918e89f9c6711bd43133f6f7fc62/pic 6.jpg	1 person serving	250	0	0	0	Break Fast
20	Brakefast	0	Meal 1	images/2be8302bccfa1887f5e08e2569e6e32b/pic m1.jpg	4 burger 4 chicken pics 1.5 drink	1100	0	0	0	meal
22	Brakefast	0	Meal 2	images/33a488b88b19e5a26a21b5476e4d693c/pic m3.jpg	1 burger 1 fries pics 1 drink	700	0	0	0	meal
23	Brakefast	0	Meal 4	images/1f4eb3b069e89adfca7156b83377fa5b/pic m4.jpg	2 pizza 1.5 drinks	1400	0	0	0	meal
24	Brakefast	0	snacks1	images/985e73f7c67c9587ee94e64a93fb1780/pic s3.jpg	1 person	1000	1000	0	0	h
25	Snaks	0	snacks1	images/7fe4a9a0a50a658d72509531b1386ff4/pic s4.jpg	1 person	1000	1000	0	0	h

Figure 54 Product

Database: order-time, Table: user, Purpose: Dumping data

id	fullname	email	phone	password
1	zubairhusnain	zubairhusnain@test.com	8962239913	3b712de48137572f3849aabd5666a4e3
2	ahmad	ahmad@test.com	1312235465	32250170a0dca92d53ec9624f336ca24
3	ali	ali@gmail.com	03234654609	3b712de48137572f3849aabd5666a4e3
4	osama	osma@hotmail.com	03234654606	0a8f125a3f41f36c0507203a63cde9ad
5	aaa	aaii@gmail.com	03234654609	3b712de48137572f3849aabd5666a4e3
6	ali	ali123@gmail.com	03234654609	81dc9bdb52d04dc20036dbd8313ed055

Figure 55 User

5. IMPLEMENTATIoN DETAILS

5.1 Development Setup

List your tools and technologies and their role in development.

The following languages were used in the development of Order Time

1. Java (for backend of android application)
2. XML (for front end of android application)
3. JASON (for android server side and database management)
4. HTML (for front end of web portal)
5. CSS (for front end of web portal)
6. PHP(for backend of web portal)
7. MySQL (Web Database Creation and Management)
8. Bootstrap (for dynamic responsiveness of the web portal)

The following tools were used in the development of Order Time

1. Android Studio
2. Sublime Text
3. Dreamweaver
4. XAMPP

Description

1. Android Studio: This tool was used for mainly all our android development. Using this *tool XML File* (Interface of the application) were assembled along with the java classes to run these XMLs. Moreover online module like Firebase and Facebook login modules were integrated into project

2. Sublime Text: This tool was used to do the mixture of front and back end web development for Order time.

3 Dreamweaver: This tool was used to make the most of the front end of the Order Time website. Modules like sliders and animations in the website were integrated in the project using this tool

4 XAMPP: This tool was used to develop the backend i.e. the database of the project. The tables and the relationship between them were integrated into the project using this tool.

The following APIs and Prefab Modules have been integrated into the project

1. Facebook API
2. Google Map API
3. Firebase

5.2 Deployment setup

We have not yet deployed your project yet. But it will be soon online on Bean Bag Studios on Play Store after the design changing recommended by the restaurants and the software house who are sponsoring this project

We faced a lot of problems during the development of the project but guidelines from the experienced developers at Aresoft Solution and through some websites like Stack Overflow, google and YouTube we found the solutions for all the debugging and error handling.

Moreover, Most of the project was developed at Aresoft Solution under the supervision of a team lead

5.3 Constraints

The following constraints are for the customer's side users of the project

1. Customer must login in the application or website before placing the order
2. Customer must be connected to the internet until receiving the confirmation notification of the application or website
3. Customer can place order corresponding to only one restaurant at a time
4. Customer can cancel the order only in first 5 minutes after the confirmation notification
5. Customer cannot add a waiting time of more than 90 min
6. Customer current location should be in 90 min travel distance of the corresponding order restaurant

7. Customer cannot cancel more than 3 order. On doing so they will be banned from the application
8. Customer must rate the experience to finish the current order and start the next order
9. Customer must arrive at the restaurant with the device running order time using which order was placed
10. Customer must place a minimum order of RS. 200

The following constraints are for the restaurant side users of the project

1. Restaurant sides must review every order request within 5 minutes or else one penalty point will be added to the restaurant profile
2. Restaurant must provide a reason on cancelling an order
3. Restaurant can only cancel 20 orders per day. On doing more rejection will ban the restaurant for the day after which the restaurant will not be available on the website or application
4. Restaurant must enter the customer arrival time to finish off the corresponding order
5. Restaurant must change their status on closing the restaurant so that suitable changes could be made on the website and application

The following constraints are for the admin side users of the project

1. Admin must respond to the views accordingly

5.3.1 Assumptions

Every user of the website or android application must stay connected to the internet until the completion or cancellation of the order

Customer will wait for confirmation notification after placing the order

The order placed will be shown in the admin side

The order cancellation will remove the order from the making

The system will be stand alone and will be deployed on a server

The client side (restaurant) it is further assumed that the deployment environment is capable of supporting an IEEE 802.11 wireless network for system communication will use our services online

When customer will click on add that item will go into shopping cart and user can see it order from shopping cart

5.3.2 System constraints

Internet Connection: Our project works online using databases and server. To connect to the server internet connection is must.

5.3.3 Restrictions

All the devices must be connected to internet for server connectivity otherwise the system will not run

5.3.4 Limitations

Our System don't handle home delivery service. It is an purely pre reservation project

6. TESTING

6.1 Extended Test Cases

Table 14 Test Case Login

Test case ID: **1**			Test Design By: **Osama Fayyaz**			
Test Module Name: **Login**			Test Design Date: **7/26/2017**			
Test Priority: **High**			Test Executed By: **Osama Fayyaz**			
Test Title/Name: **login**			Test Executed Date: **7/26/2017**			
Description: **user will enter valid username and password and then user will get the access to place the order**						
Precondition: **Internet Access, valid username and password**						
Dependences:						
Step	Test Step	Test Data	Expected Result	Actual Result	Status(Pass /Fail)	Notes
1	**Open the website.**				**pass**	
2	**click on the login icon**					
3	**Fill the given text field all text fields should be filed.**	**Email ali@gmail.com Password** 12345678				

4	**click on login in button**		**User will entry in the website.**	**User is successfully entry in the website.**		
Post Condition: user successfully login in website						

Table 15 Test Case Sign Up

Test case ID: **2**			Test Design By: **Osama Fayyaz**			
Test Module Name: **Sign up**			Test Design Date: **7/26/2017**			
Test Priority: **High**			Test Executed By: **Osama Fayyaz**			
Test Title/Name: **Sign up to register in the database**			Test Executed Date: **7/26/2017**			
Description: **user need to sign before login if user already registered in the database then user does not need to sign up this test case is about unique user name when sign it should register in database**						
Precondition: **internet , username and email should be unique**						
Dependences:						
Step	Test Step	Test Data	Expected Result	Actual Result	Status(Pass/Fail)	Notes
1	**Open the website.**				**pass**	

2	**click on the login here**					
3	**Go to the sign up fill the given text field all text fields should be filed.**	user name Osama email osama@gmail.com phone no: 03364348849 password 12345678				
4	**click on login in button**		**User will register in the database and confirmation message will be display.**	**User will successfully register in the database and confirmation message will be display.**		
Post Condition: user successfully register in the website						

Table 16 Test Case choose Restaurant

Test case ID: **3**	Test Design By: **Osama Fayyaz**
Test Module Name: **choose restaurant**	Test Design Date: **7/26/2017**
Test Priority: **High**	Test Executed By: **Osama Fayyaz**

Test Title/Name: **test when we click on given restaurant it take user to given restaurant page**	Test Executed Date: **7/26/2017**
Description: **when user click on restaurant name it will take it to given page**	
Precondition: **internet**	
Dependences:	

Step	Test Step	Test Data	Expected Result	Actual Result	Status(Pass/Fail)	Notes
1	**Open the website.**				**pass**	
2	**click on the restaurant name**					
3	**user will go to the chosen restaurant page**	chosen restaurant page need to be open	**restaurant page is opened**			
Post Condition: user successfully go to the restaurant page						

Table 17 Test Case Place Order

Test case ID: **4**	Test Design By: **Osama Fayyaz**
Test Module Name: **place order**	Test Design Date: **7/26/2017**
Test Priority: **High**	Test Executed By: **Osama Fayyaz**

Test Title/Name: **place order and it add in the cart**	Test Executed Date: **7/26/2017**
Description: **when user place the order given item should add in the cart**	
Precondition: **internet , user need to login in the system**	
Dependences:	

Step	Test Step	Test Data	Expected Result	Actual Result	Status(Pass/Fail)	Notes
1	**Go to the mean.**				**pass**	
2	**choose the menu**					
3	**click on the item it will take it to the item detail**					
4	**click on the add to cart button**		**Item will add to the cart.**	**item successfully add into the cart**		
Post Condition: item add into the cart						

Table 18 Test Case Confirm Order

Test case ID: **5**	Test Design By: **Osama Fayyaz**
Test Module Name: **confirm order**	Test Design Date: **7/26/2017**

Test Priority: **High**	Test Executed By: **Osama Fayyaz**
Test Title/Name: **when it click on the confirm order should be placed**	Test Executed Date: **7/26/2017**
Description: **user give information and then press confirmation and order should be placed**	
Precondition: **internet , some item should be add in the cart**	
Dependences:	

Step	Test Step	Test Data	Expected Result	Actual Result	Status(Pass/Fail)	Notes
1	**Open the cart.**				**pass**	
2	**click on the continue button**					
3	**give the information all filed should be field .**	full name soma Fayyaz Email Address osma@gmail.com Mobile NO 03364348989 city Lahore Pin code 123456 Address UMT				

4	**click on place order**		**Order will be placed and user can see the status.**	**order is placed**		
Post Condition: order is placed and user can see the status of it order						

Table 19 Test Case Cancel Order

Test case ID: **6**			Test Design By: **Osama Fayyaz**			
Test Module Name: **Cancel order**			Test Design Date: **7/26/2017**			
Test Priority: **Medium**			Test Executed By: **Osama Fayyaz**			
Test Title/Name: **Cancel order**			Test Executed Date: **7/26/2017**			
Description: **when user placed it order user can cancel order but if it confirm**						
Precondition: **internet , order is placed**						
Dependences:						
Step	Test Step	Test Data	Expected Result	Actual Result	Status(Pass/Fail)	Notes
1	**Order is placed.**				**pass**	

2	**click on cancel order button**					
3	**order is canceled**		**order is canceled**	**status is changed to cancelled**		
Post Condition: order is cancelled						

Table 20 Test Case Test Case Test Case View Order

Test case ID: 7			Test Design By: **Osama Fayyaz**			
Test Module Name: **view order and change status of the order**			Test Design Date: **7/26/2017**			
Test Priority: **High**			Test Executed By: **Osama Fayyaz**			
Test Title/Name: **view order and status**			Test Executed Date: **7/26/2017**			
Description: **restaurant admin can see the order and can change it status**						
Precondition: **internet , login as admin**						
Dependences:						
Step	Test Step	Test Data	Expected Result	Actual Result	Status(Pass/Fail)	Notes
1	**Open the admin site.**				**pass**	

2	**click on the order**					
3	**admin can see all the order and can click on the change status to change the status**	1 : Processing 2 : Processed 3 : Shipped 4 : Delivered 5 : Canceled 6 : Returned				
4	**click on update**		**The chosen status will be updated.**	**the status is updated**		
Post Condition: order status is updated						

Table 21 Test Case Add New Category

Est case ID: **8**	Test Design By: **Osama Fayyaz**
Test Module Name: **add new category**	Test Design Date: **7/26/2017**
Test Priority: **High**	Test Executed By: **Osama Fayyaz**
Test Title/Name: **new category**	Test Executed Date: **7/26/2017**
Description: **restaurant admin can add new category in the menu**	
Precondition: **internet , login as admin**	
Dependences:	

Step	Test Step	Test Data	Expected Result	Actual Result	Status(Pass/Fail)	Notes
1	**click on the category**				**pass**	
2	**from drop down menu click on add category**					
3	**give the information to add the new category in the menu**	name drinks image pic1.png				
4	**click on add category**		**New category add in menu.**	**new category add in menu**		
Post Condition: new category is made in menu						

Table 22Test Case Add New Product

Test case ID: **9**	Test Design By: **Osama Fayyaz**
Test Module Name: **add new product**	Test Design Date: **7/26/2017**
Test Priority: **High**	Test Executed By: **Osama Fayyaz**
Test Title/Name: **new product**	Test Executed Date: **7/26/2017**

Description: **restaurant admin can add new product in the category**						
Precondition: **internet , login as admin**						
Dependences:						
Step	Test Step	Test Data	Expected Result	Actual Result	Status(Pass/Fail)	Notes
1	**click on the product**				**pass**	
2	**from drop down menu click on add product**					
3	**give the information to add the new product in the menu**	product name item 1 product image image2.png product description serve 1 market price 800 selling price 1000 select category				

4	**click on add product**		**New product add in category.**	**new product add in category**		
Post Condition: new category is made in menu						

Table 23 Test Case Delete Product

Test case ID: **10**			Test Design By: **Osama Fayyaz**			
Test Module Name: **delete product**			Test Design Date: **7/26/2017**			
Test Priority: **High**			Test Executed By: **Osama Fayyaz**			
Test Title/Name: **delete product**			Test Executed Date: **7/26/2017**			
Description: **delete product**						
Precondition: **internet , login as admin**						
Dependences:						
Step	Test Step	Test Data	Expected Result	Actual Result	Status(Pass/Fail)	Notes
1	**click on the view product**				**pass**	
2	**click on delete product**	**product will be deleted**	**product is deleted**			
Post Condition: product is deleted						

4	**click on add product**		**New product add in category.**	**new product add in category**		
Post Condition: new category is made in menu						

Table 23 Test Case Delete Product

Test case ID: **10**			Test Design By: **Osama Fayyaz**			
Test Module Name: **delete product**			Test Design Date: **7/26/2017**			
Test Priority: **High**			Test Executed By: **Osama Fayyaz**			
Test Title/Name: **delete product**			Test Executed Date: **7/26/2017**			
Description: **delete product**						
Precondition: **internet , login as admin**						
Dependences:						
Step	Test Step	Test Data	Expected Result	Actual Result	Status(Pass/Fail)	Notes
1	**click on the view product**				**pass**	
2	**click on delete product**	**product will be deleted**	**product is deleted**			
Post Condition: product is deleted						

Android app

Table 24 Test Case Login with Facebook

Test case ID: **11**	Test Design By: **Osama Fayyaz**
Test Module Name: **login with Facebook**	Test Design Date: **7/26/2017**
Test Priority: **High**	Test Executed By: **Osama Fayyaz**
Test Title/Name: **Facebook login**	Test Executed Date: **7/26/2017**
Description: **in android app user can login with Facebook account**	
Precondition: **internet , Facebook application in mobile**	
Dependences:	

Step	Test Step	Test Data	Expected Result	Actual Result	Status(Pass/Fail)	Notes
1	**go to login menu**				**pass**	
2	**click on continue Facebook**					
3	**login in with Facebook**		**login with Facebook conformation dial box show the message**	**successfully login with Facebook**		

Post Condition: user login with Facebook account

Table 25 Test Case Map

Test case ID: **12**			Test Design By: **Osama Fayyaz**			
Test Module Name: **map**			Test Design Date: **7/26/2017**			
Test Priority: **High**			Test Executed By: **Osama Fayyaz**			
Test Title/Name: **current location**			Test Executed Date: **7/26/2017**			
Description: **map will pinpoint your current location through GPS**						
Precondition: **internet , mobile device GPS is on**						
Dependences:						
Step	Test Step	Test Data	Expected Result	Actual Result	Status(Pass/Fail)	Notes
1	**login**				**pass**	
2	**map will show your current location**		**show your current location**	**it show the accurate location**		
Post Condition: you can see you location on map						

Table 26 Test Case Rating

Test case ID: **13**	Test Design By: **Osama Fayyaz**

Test Module Name: **rating**	Test Design Date: **7/26/2017**
Test Priority: **High**	Test Executed By: **Osama Fayyaz**
Test Title/Name: **rating test**	Test Executed Date: **7/26/2017**
Description: **user can rate the restaurant**	
Precondition: **internet , user login**	
Dependences:	

Step	Test Step	Test Data	Expected Result	Actual Result	Status(Pass/Fail)	Notes
1	**choose the restaurant**				**pass**	
2	**click on rate me**					
3	**give the rating from 5 star**					
4	**click the submit**		**Rating will be submit.**	**rating submitted**		
Post Condition: restaurant rating is saved in the app						

Test Module Name: **rating**	Test Design Date: **7/26/2017**
Test Priority: **High**	Test Executed By: **Osama Fayyaz**
Test Title/Name: **rating test**	Test Executed Date: **7/26/2017**
Description: **user can rate the restaurant**	
Precondition: **internet , user login**	
Dependences:	

Step	Test Step	Test Data	Expected Result	Actual Result	Status(Pass/Fail)	Notes
1	**choose the restaurant**				**pass**	
2	**click on rate me**					
3	**give the rating from 5 star**					
4	**click the submit**		**Rating will be submit.**	**rating submitted**		

Post Condition: restaurant rating is saved in the app

Test Module Name: **rating**	Test Design Date: **7/26/2017**
Test Priority: **High**	Test Executed By: **Osama Fayyaz**
Test Title/Name: **rating test**	Test Executed Date: **7/26/2017**
Description: **user can rate the restaurant**	
Precondition: **internet , user login**	
Dependences:	

Step	Test Step	Test Data	Expected Result	Actual Result	Status(Pass/Fail)	Notes
1	**choose the restaurant**				**pass**	
2	**click on rate me**					
3	**give the rating from 5 star**					
4	**click the submit**		**Rating will be submit.**	**rating submitted**		
Post Condition: restaurant rating is saved in the app						

Table 27 Test Case Searching Test

Test case ID: **14**	Test Design By: **Osama Fayyaz**
Test Module Name: **search**	Test Design Date: **7/26/2017**
Test Priority: **High**	Test Executed By: **Osama Fayyaz**
Test Title/Name: **searching test**	Test Executed Date: **7/26/2017**
Description: **we can search the restaurant in android app**	
Precondition: **internet,**	
Dependences:	

Step	Test Step	Test Data	Expected Result	Actual Result	Status(Pass/Fail)	Notes
1	**click on the search icon**				**Pass**	
2	**u have to enter data in 2 fields**	**cravings** fast food area Johar town				
3	**click on search**		**all the fast of Johar town will come**	**fast food come on screen which location is Johar**		
4			**New category add in menu.**	**new category add in menu**		

Post Condition:

6.2 Decision Table

6.2.1 Code snippet

6.2.1.1 Google Map Customization

```
if (mGoogleApiClient != null) {
   LocationServices.FusedLocationApi.removeLocationUpdates(mGoogleApiClient, this);

}
   //Place current location marker
   LatLng latLng = new LatLng(location.getLatitude(), location.getLongitude());
   Global.getInstance().mylocation=latLng;
   MarkerOptions markerOptions = new MarkerOptions();
   markerOptions.position(latLng);
   markerOptions.title("Current Position");

markerOptions.icon(BitmapDescriptorFactory.defaultMarker(BitmapDescriptorFactory.HUE_M
AGENTA));

   //move map camera
if (i==0) {
   for (int i = 0; i < Global.getInstance().places.size(); i++) {
      adddmarkerf(Global.getInstance().places.get(i));
   }

   map.moveCamera(CameraUpdateFactory.newLatLng(latLng));
   map.animateCamera(CameraUpdateFactory.zoomTo(15));
   i = 1;
}
7.
```

6.2.1.2 Custom info Window on Map

```
Deleter= new Dialog(HomeActivity.this);
Deleter.requestWindowFeature(Window.FEATURE_NO_TITLE);
```

```
Deleter.setContentView(R.layout.activity_resturant_single);
for (int i=0;i<Global.getInstance().places.size();i++){
   if (marker.getTitle().equals(Global.getInstance().places.get(i).getName())){
      temp=Global.getInstance().places.get(i);
   }
}
TextView tname = (TextView) Deleter.findViewById(R.id.tv_tree_name);
TextView tlocation = (TextView) Deleter.findViewById(R.id.tv_tree_location);
TextView trate = (TextView) Deleter.findViewById(R.id.tv_tree_date);
final Button rate = (Button) Deleter.findViewById(R.id.bt_enter);
Button order = (Button) Deleter.findViewById(R.id.bt_tree_edit);
tname.setText(temp.getName());
tlocation.setText(temp.getAddress());
trate.setText(temp.getRate());
```

6.2.1.3 Android Device Version Check and Getting Permission

```
if (Build.VERSION.SDK_INT >= Build.VERSION_CODES.M) {
   if (ContextCompat.checkSelfPermission(this,
         android.Manifest.permission.ACCESS_FINE_LOCATION)
         == PackageManager.PERMISSION_GRANTED) {
      buildGoogleApiClient();
      map.setMyLocationEnabled(true);
      //    progress.
      // hide();
   }
  } else {
    buildGoogleApiClient();
    map.setMyLocationEnabled(true);
  }
```

7.1 Traceability Matrix

7.1.1 RID vs UCID (requirements vs use cases)

Table 28 6.3.1 RID vs UCID

UCID/RID	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	R16
UC1	☑									☑						
UC2		☑														
UC3			☑											☑		
UC4	☑				☑			☑								
UC5	☑										☑					
UC6									☑							☑
UC7	☑														☑	
UC8						☑										
UC9		☑									☑					
UC10													☑			
UC11				☑			☑									
UC12												☑				☑

7.1.2 Prototypes (RID vs PID)

Table 29 RID vs PID

PID/RID	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	R16
PID1	☑												☑			
PID2																☑
PID3							☑				☑					
PID4		☑														
PID5			☑					☑							☑	
PID6													☑			

PID7					☑										
PID8	☑													☑	
PID9												☑			
PID10	☑														
PID12						☑				☑					
PID13			☑										☑		

7.1.3 Test Cases (RID vs TID)

Table 30 RID vs TID

TID/RID	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	R16
TID1		☑								☑						
TID 2																☑
TID 3	☑										☑					
TID 4																☑
TID 5			☑					☑							☑	
TID 6	☑					☑							☑			
TID 7																
TID 8							☑								☑	
TID 9					☑								☑			
TID 10	☑			☑												
TID 12						☑				☑						
TID 13			☑											☑		
TID 14							☑									

8. RESULTS/OUTPUT/STATISTICS

8.1 %completion

Our Project is 95% complete

8.2 %accuracy

Our project is 90% accurate.

8.3 %correctness

Our project is 99% correct

9. CONCLUSION

The project Order Time is the pre order highly desired by specially office people who have around 1 hour lunch break in their working hours. Using this service these people are able to have enough time to go out and have lunch outside of their work space without any issue. It takes a lot of time to get your launch by placing an order after arriving at the place within one hour. Using this service the time used in travel is also used to cook the order so that one's orders could be served on the table before his arrival at the place

Order Time is a web plus android application where all users (Admin, customers, restaurant, and manager) can register themselves through signup process. Customer can edit their profile whereas user's i.e. restaurant managers need to request admin through email for any permission or profile modification. Customer has different places options to place their order which include restaurants, fast food chains and bakery who are registered with our project. They can view their menu and new deals published on the project server by the restaurant manage. Facilities like google Map, directions, navigation and facebook share and sign in are also integrated into the project android application

9. CONCLUSION

The project Order Time is the pre order highly desired by specially office people who have around 1 hour lunch break in their working hours. Using this service these people are able to have enough time to go out and have lunch outside of their work space without any issue. It takes a lot of time to get your launch by placing an order after arriving at the place within one hour. Using this service the time used in travel is also used to cook the order so that one's orders could be served on the table before his arrival at the place

Order Time is a web plus android application where all users (Admin, customers, restaurant, and manager) can register themselves through signup process. Customer can edit their profile whereas user's i.e. restaurant managers need to request admin through email for any permission or profile modification. Customer has different places options to place their order which include restaurants, fast food chains and bakery who are registered with our project. They can view their menu and new deals published on the project server by the restaurant manage. Facilities like google Map, directions, navigation and facebook share and sign in are also integrated into the project android application

10. FUTURE WORK

In future we plan to take this project to the next level by adding facilities like choosing your table on both portals i.e. website and android along with the option to track customer in real time so that the restaurant owner can take steps and do preparation accordingly. On the admin side we plan to integrate an AI algorithm which can automatically separate bad remarks or complain from all the feedback from customers or restaurant managers. This will decrease the need of manpower to run this project in real time

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11.4 Other References

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12. APPENDIX

12.1 `Glossary of terms

12.2 Pre-requisites

Our project is first of its kind. It does not have any pre-requisites