A PROJECT REPORT

on

"RESTAURANT MENU ORDERING SYSTEM"

Submitted to

KIIT Deemed to be University

In Partial Fulfilment of the Requirement for the Award of

BACHELOR'S DEGREE IN
INFORMATION TECHNOLOGY

BY

RIMJHIM DASH	1706252
RUCHISMITA DASH	1706528
TANISHA GHOSH	1706178
MAUSAM KUMARI	1706230

UNDER THE GUIDANCE OF
PROF. DIPTI DASH

SCHOOL OF COMPUTER ENGINEERING

KALINGA INSTITUTE OF INDUSTRIAL TECHNOLOGY

BHUBANESWAR, ODISHA - 751024

May 2020

KIIT Deemed to be University

School of Computer Engineering
Bhubaneswar, ODISHA 751024

CERTIFICATE

This is certify that the project entitled

"RESTAURANT MENU ORDERING SYSTEM"

submitted by

RIMJHIM DASH	1706252
RUCHISMITA DASH	1706528
TANISHA GHOSH	1706178
MAUSAM KUMARI	1706230

is a record of bonafide work carried out by them, in the partial fulfilment of the requirement for the award of Degree of Bachelor of Engineering (Computer Science & Engineering OR Information Technology) at KIIT Deemed to be university, Bhubaneswar. This work is done during year 2019-2020, under our guidance.

Date: 05/06/2020

(Prof. Dipti Dash)
Project Guide

Acknowledgement

We are profoundly grateful to Prof. DIPTI DASH for her expert guidance and continuous encouragement throughout to see that this project rights its target since its commencement to its completion.

RIMJHIM DASH
RUCHISMITA DASH
TANISHA GHOSH
MAUSAM KUMARI

ABSTRACT

Nowadays web services technology is widely used to integrate heterogeneous systems and develop new applications. Here an application of integration of hotel management systems by web services technology is presented. Digital Hotel Management integrates lots of systems of hotel industry such as Ordering System Kitchen Order Ticket(KOT), Billing System,Customer Relationship Management system(CRM)together.

This integration solution can add or expand hotel software system in any size of hotel chains environment. This system increases quality and speed of service. This system also increases attraction of place for large range of customers. Implementing this system gives a cost-efficient opportunity to give your customers a better service experience where waiter are in control choosing what customer wants, when they want it from dining to ordering to payment and feedback. We are implementing this system using android application for smartphones. The frontend will be developed using JAVA Android.

Keywords: Android device, Wi-fi router, Android Studio software, JAVA language

Contents

Chapter 1

Introduction

The following section provides an overview of the idea for the subject **Restaurant Menu and Ordering System (RMOS)**. To begin with, the purpose of the document is presented and its intended audience outlined.

1.1 PURPOSE

The purpose of this SRS is to outline both the functional and non-functional requirements of the subject RMOS. In addition to said requirements, the document also provides a detailed profile of the external interfaces, performance considerations and design constraints imposed on the subsequent implementation. The document should act as a foundation for efficient and well-managed project completion and further serve as an accurate reference in the future.

1.2 INTENDED AUDIENCE AND READING SUGGESTIONS

The primary audience of this document will be the development team employed to implement the specified RMOS. It will not only provide an extensive capacity for project planning and progress assessment but it will further assist with developer/stakeholder interactions. The secondary document audience comprises the stakeholders of the project, that is, restaurateurs and associated staff.

To this audience group, this documentation should convey and confirm the required functionality and represent a contractual agreement between the involved parties.

Chapter 2

Requirement Analysis

2.1 Performance Requirements

- The product will be based on local server.
- The product will take initial load time.
- The performance will depend upon hardware components.

2.2 Safety and Security Requirements

- The source code developed for this system shall be maintained.
- The whole system is secured. Only Employees can access all the data.

Other Requirements

Licensing Requirements

Not Applicable

Legal, Copyright, and Other Notices

Chapter 3

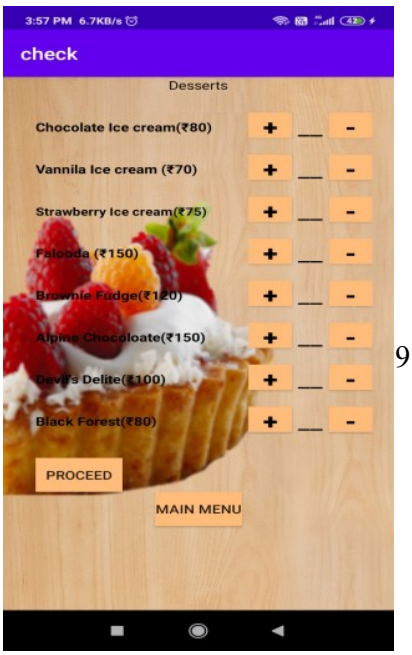
System Design

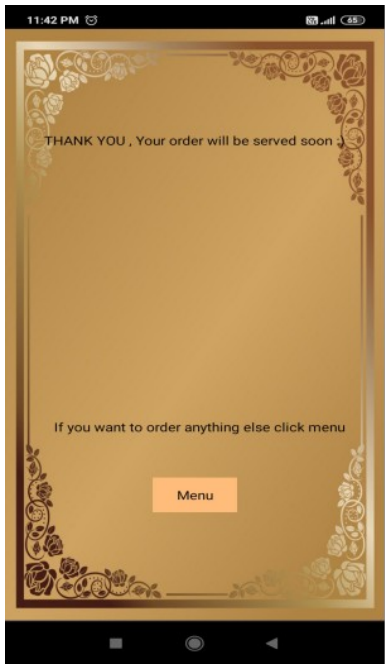
- The app uses Textviews, Buttons , Image Buttons , Edit Text. Textfields.
- Our app uses Oreo version.
- Our app uses Java as a language.
- Almost every method is made public so that it is easily accessible.
- Intent method,Toast methods has been used .
- Textviews are used to write text.
- On clicking buttons, actions are performed.
- Image buttons has been placed to place images.
- Edit texts is used to enter values.
- Toast method is used for displaying the page for the entered amount of time.

Chapter 4

System Testing

The layouts are as follows:-





Chapter 5

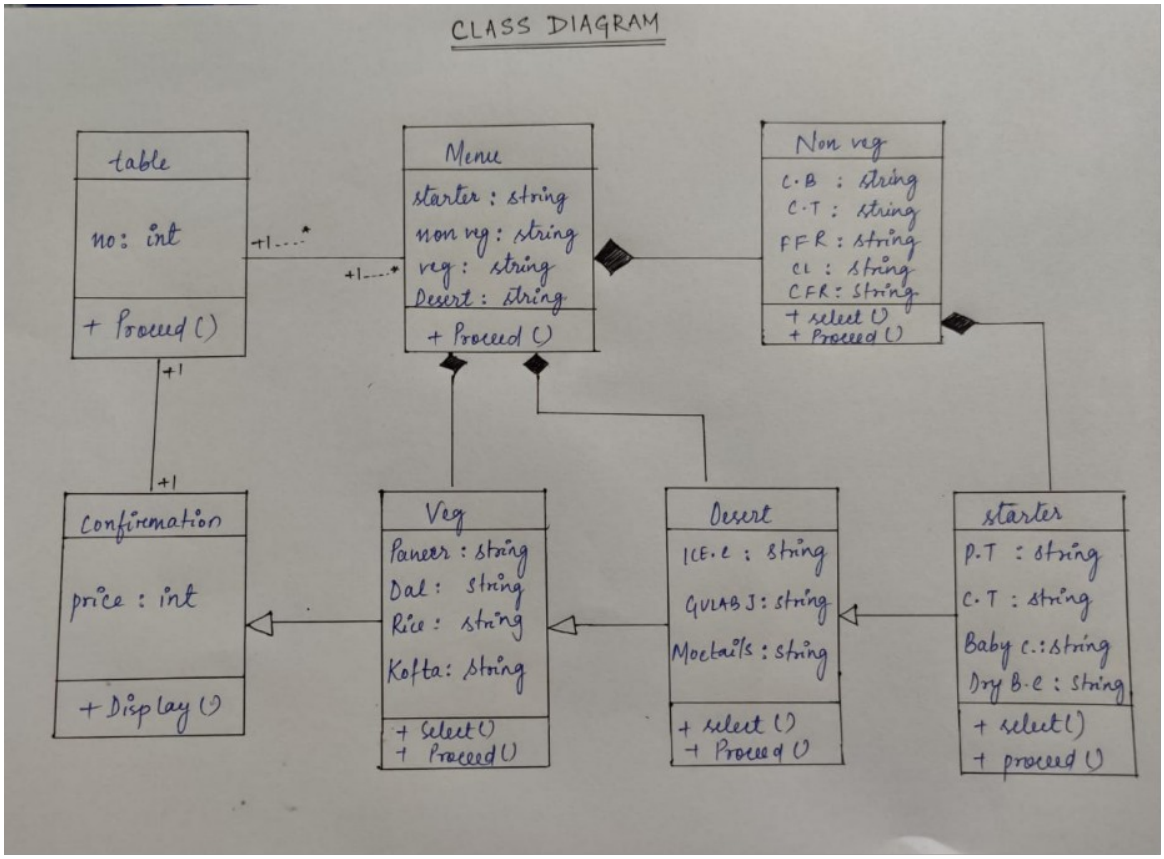
Project Planning

5.1 SECTION 1

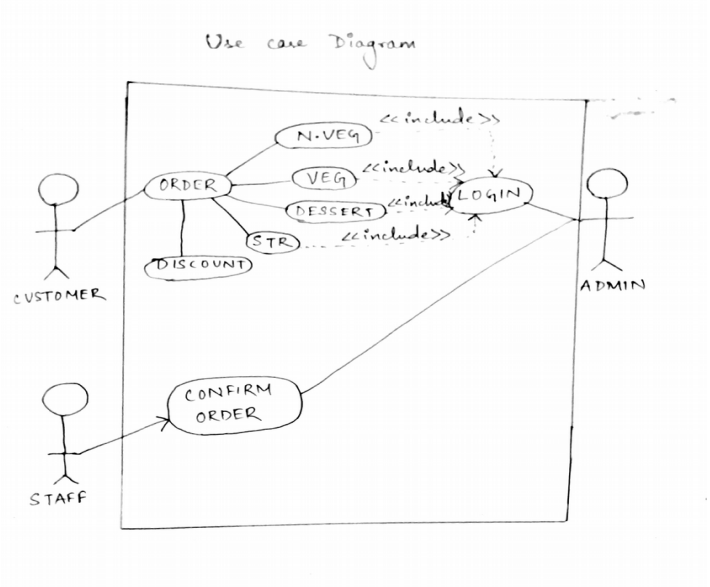
- The main plan for this app is that to provide many customer a modern way to order their food.
- In this modern era everyone wants a fast and secured way of doing something.
- By developing this app we want that all restaurant to provide this menu app to the customer so that they can order whatever they want.
- This app is nowadays used in many places except Odisha.
- The main plan was to provide this app in every restaurant in odisha so that they can use it in a efficient way.
- This app consists of pages that are virtual waitress(front page of app),table booking,order type(starter,veg,non_veg,desert),send order,thank you.
- This app will provide customer a better way to order what they want according to their wish they can add or delete the items from the menu.
- The customer have to wait a lesser time for their order.
- Their are 10 dishes in each category but we can add a lot more according to the restaurant manager's wish.
- After selecting the dishes the amount is calculated and the order is send to the cook.
- The last page is thank you in which the customer will come to know that the order has been sent successfully.

Chapter 6

Implementation

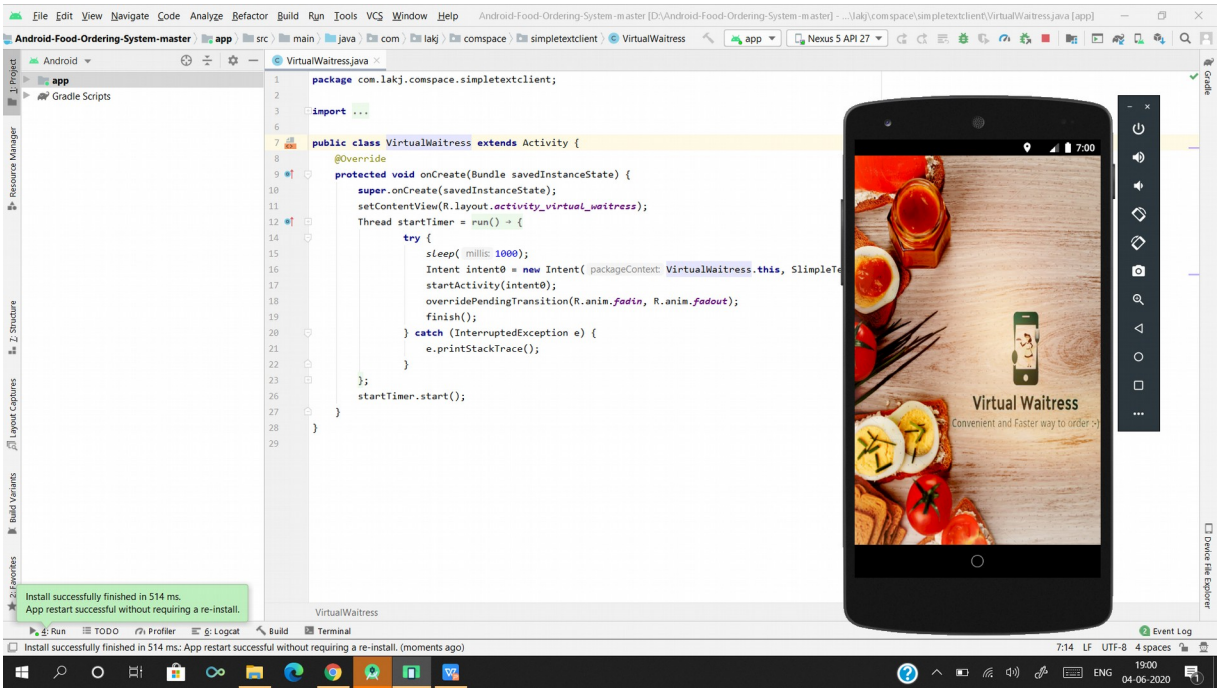


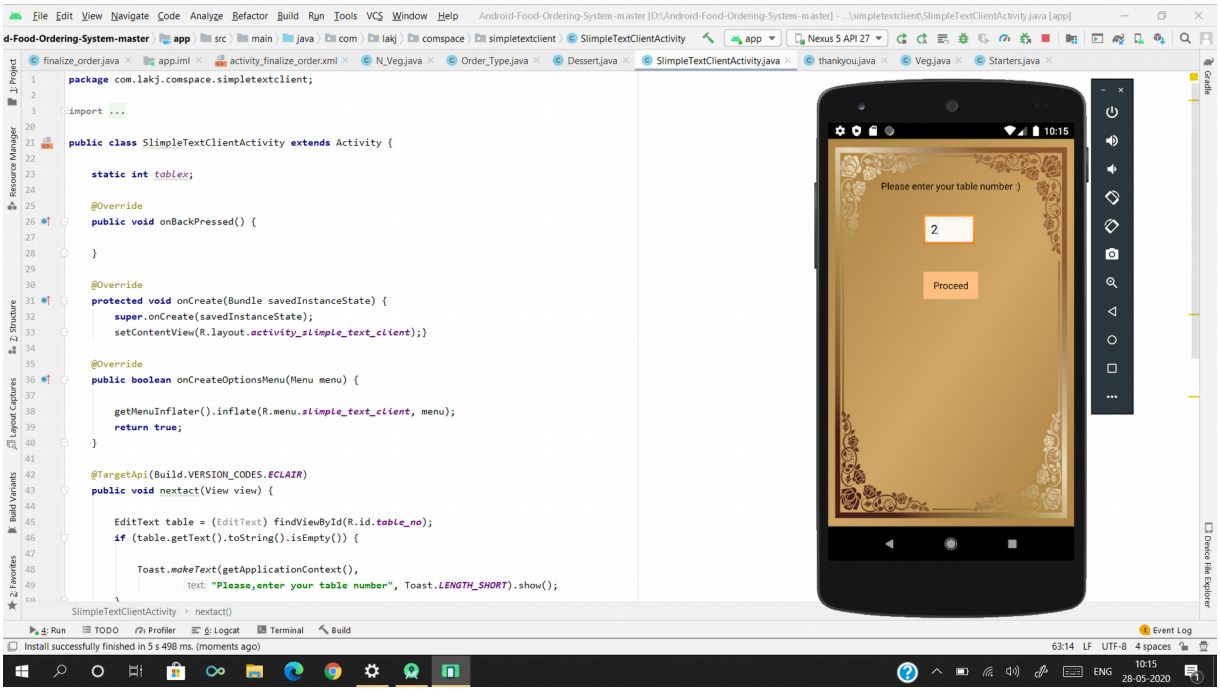
CLASS DIAGRAM

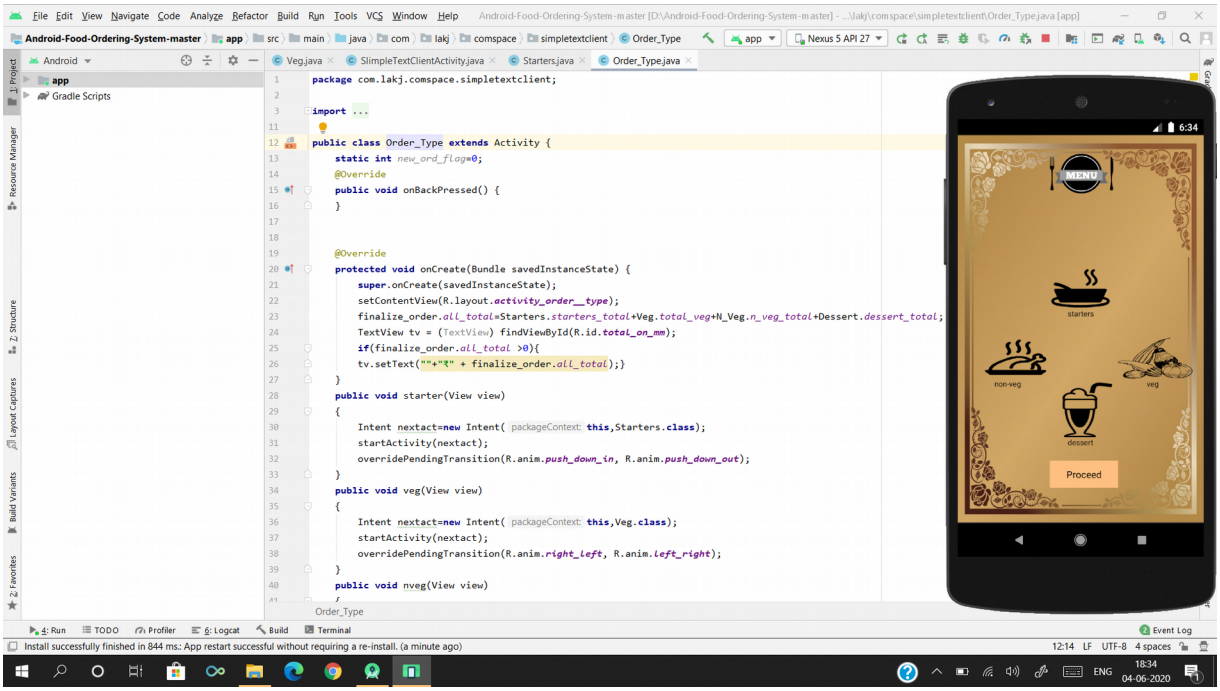


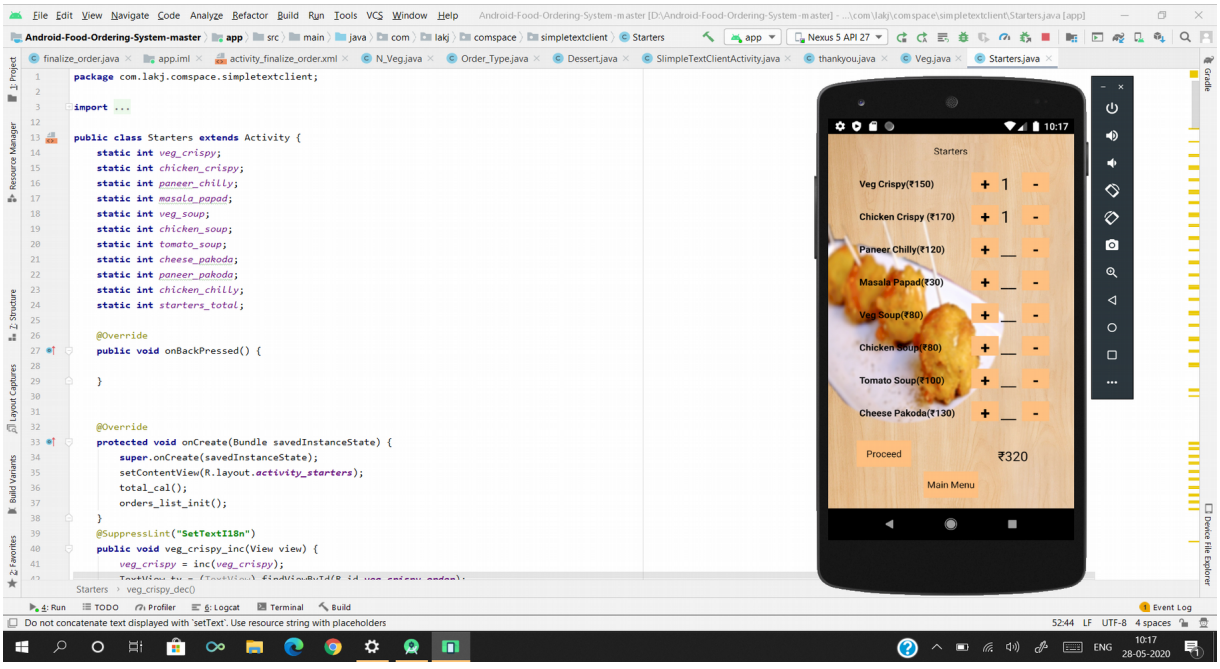
Chapter 7

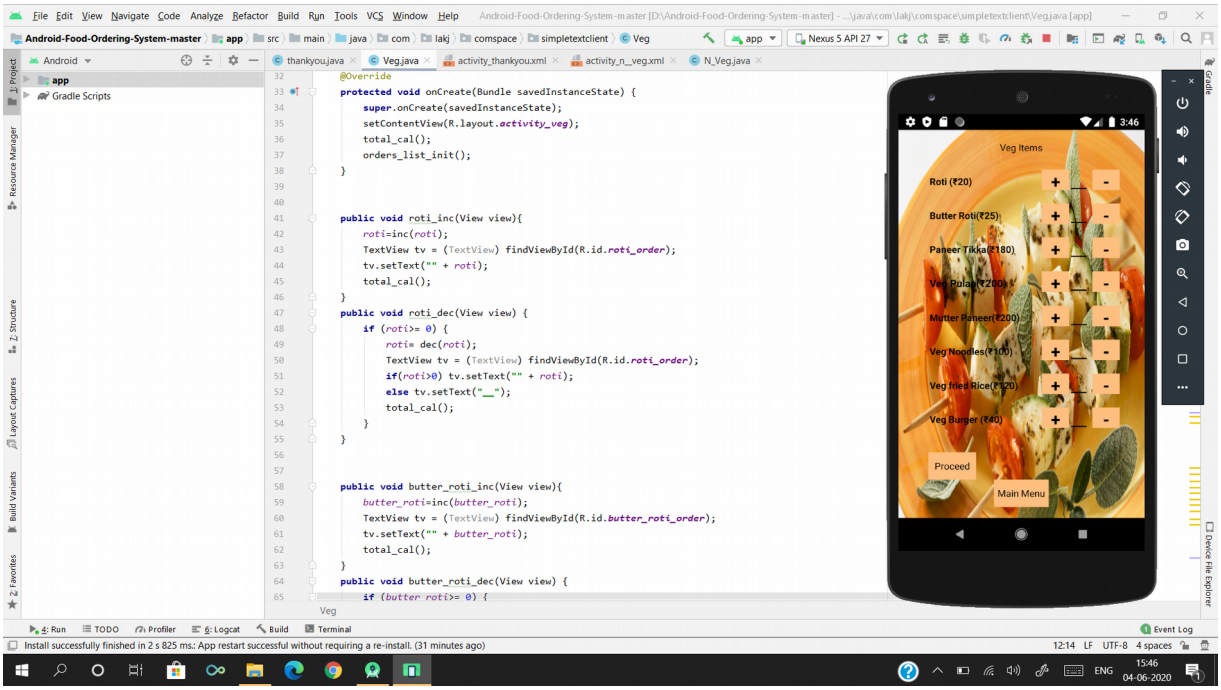
Screen shots of Project

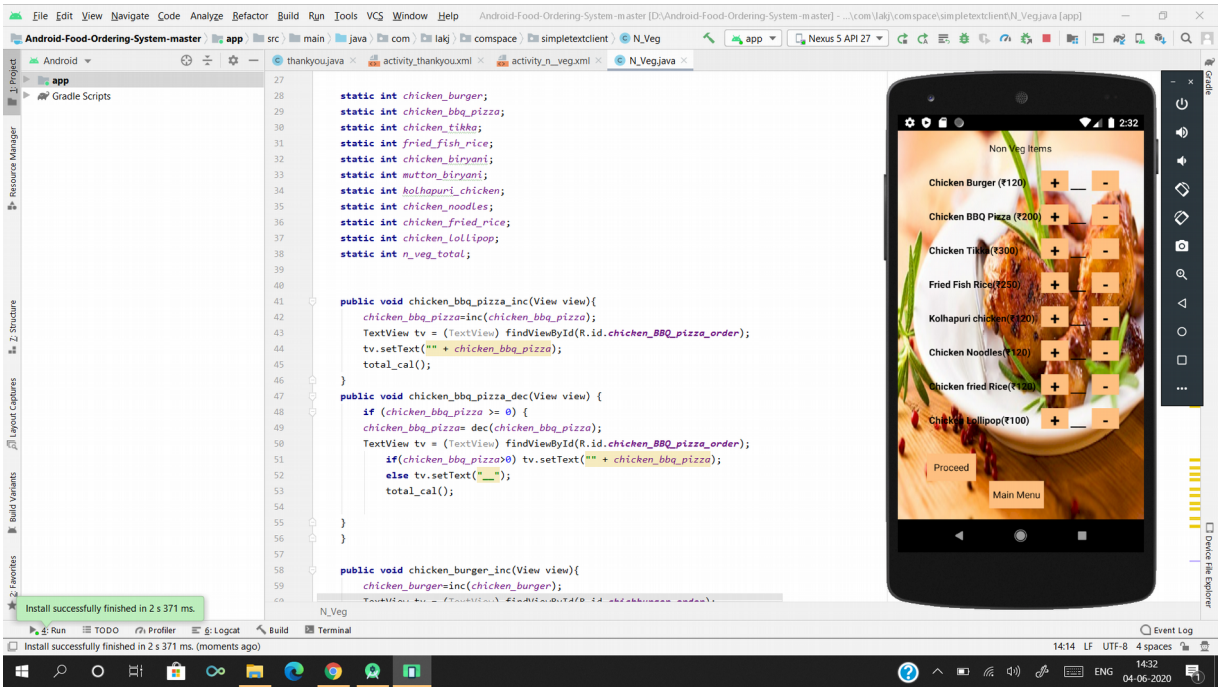


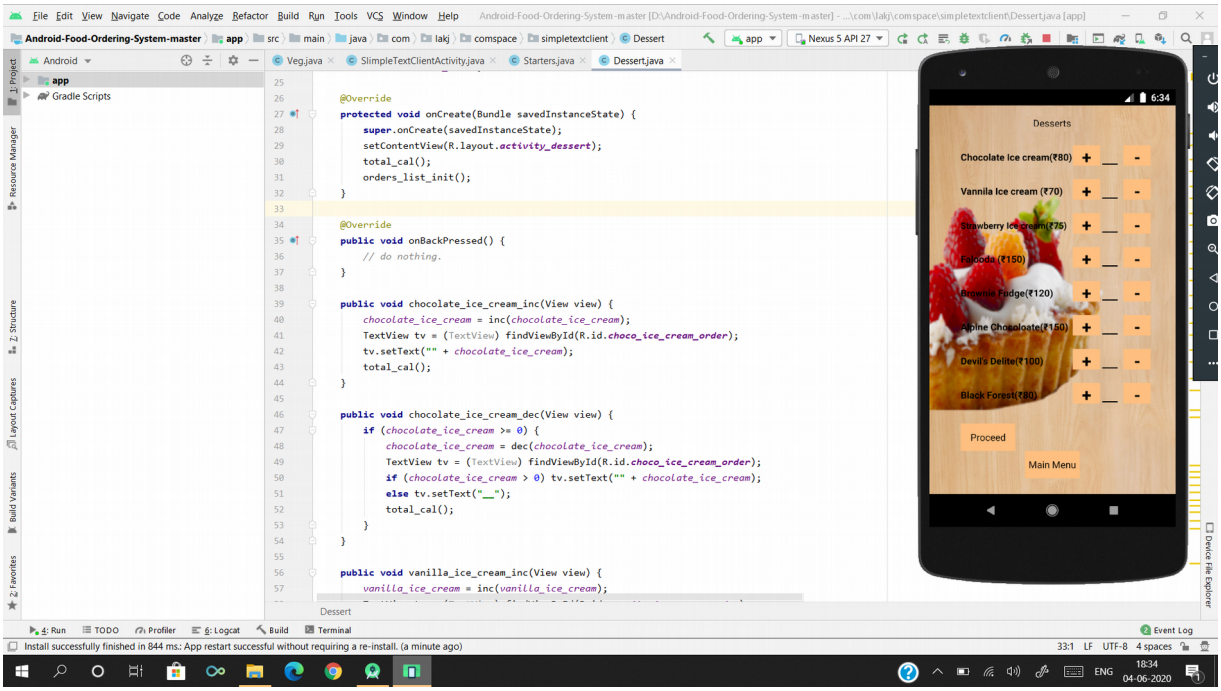


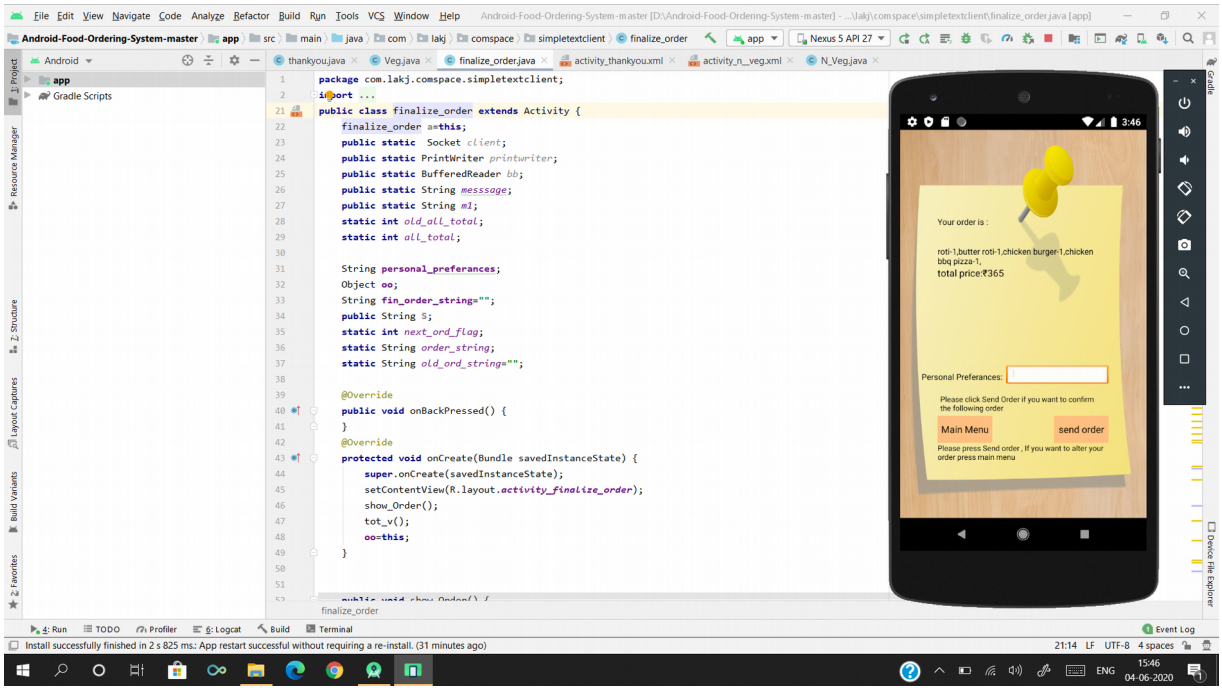

Order_Type.java
package com.lakj.comspace.simpletextclient;
public class Order_Type extends Activity {
static int new_ord_flag=0;
@Override
public void onBackPressed() {
@Override
protected void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.activity_order__type);
finalize_order.all_total=Starters.starters_total+Veg.total_veg+N_Veg.n_veg_total+Dessert.dessert_total;
TextView tv = (TextView) findViewById(R.id.total_on_mm);
if(finalize_order.all_total >0){
tv.setText(""+"₹" + finalize_order.all_total);}
public void starter(View view)
Intent nextact=new Intent(packageContext: this,Starters.class);
startActivity(nextact);
overridePendingTransition(R.anim.push_down_in, R.anim.push_down_out);
public void veg(View view)
Intent nextact=new Intent(packageContext: this,Veg.class);
startActivity(nextact);
overridePendingTransition(R.anim.right_left, R.anim.left_right);
public void nveg(View view)
MENU
starters
non-veg
veg
dessert
Proceed

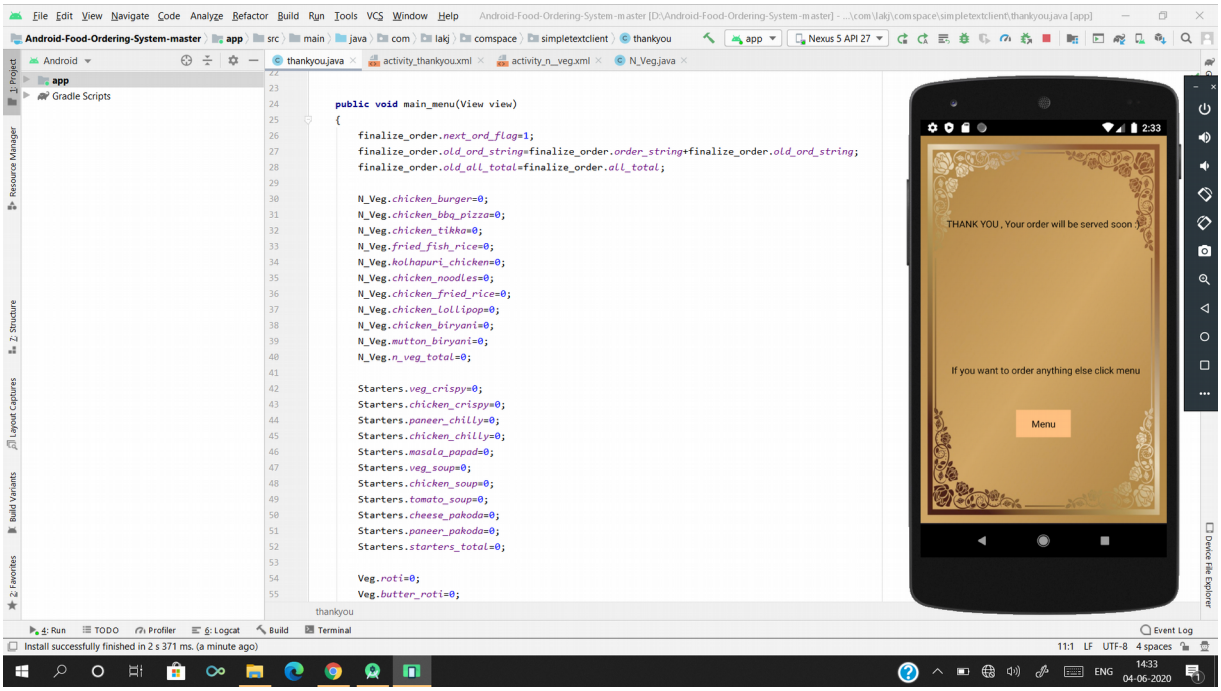

Starters.java
package com.lakj.comspace.simpletextclient;
public class Starters extends Activity {
static int veg_crispy;
static int chicken_crispy;
static int paneer_chilly;
static int masala_papad;
static int veg_soup;
static int chicken_soup;
static int tomato_soup;
static int cheese_pakoda;
static int paneer_pakoda;
static int chicken_chilly;
static int starters_total;
@Override
public void onBackPressed() {
@Override
protected void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.activity_starters);
total_cal();
orders_list_init();
@SuppressLint("SetTextI18n")
public void veg_crispy_inc(View view) {
veg_crispy = inc(veg_crispy);
Starters
Veg Crispy(₹150)
Chicken Crispy (₹170)
Paneer Chilly(₹120)
Masala Papad(₹30)
Veg Soup(₹80)
Chicken Soup(₹80)
Tomato Soup(₹100)
Cheese Pakoda(₹130)
Proceed
₹320
Main Menu


Veg Items
Roti (₹20)
Butter Roti(₹25)
Paneer Tikka(₹180)
Veg Pulao (₹200)
Mutter Paneer(₹200)
Veg Noodles(₹100)
Veg fried Rice(₹120)
Veg Burger (₹40)
Proceed
Main Menu


Non Veg Items
Chicken Burger (₹120)
Chicken BBQ Pizza (₹200)
Fried Fish Rice(₹250)
Kolhapuri chicken(₹120)
Chicken Noodles(₹120)
Proceed
Main Menu


Desserts
Chocolate Ice cream(₹80)
Vannila Ice cream (₹70)
Strawberry Ice cream(₹75)
Falooda (₹150)
Brownie Fudge(₹120)
Alpine Chocolate(₹150)
Devil's Delite(₹100)
Black Forest(₹80)
Proceed
Main Menu


Your order is :
roti-1,butter roti-1,chicken burger-1,chicken bbq pizza-1,
total price:₹365
Personal Preferances:
Please click Send Order if you want to confirm the following order
Main Menu
send order
Please press Send order , If you want to alter your order press main menu


public void main_menu(View view)
{
finalize_order.next_ord_flag=1;
finalize_order.old_ord_string=finalize_order.order_string+finalize_order.old_ord_string;
finalize_order.old_all_total=finalize_order.all_total;
N_Veg.chicken_burger=0;
N_Veg.chicken_bbq_pizza=0;
N_Veg.chicken_tikka=0;
N_Veg.fried_fish_rice=0;
N_Veg.kolhapuri_chicken=0;
N_Veg.chicken_noodles=0;
N_Veg.chicken_fried_rice=0;
N_Veg.chicken_lollipop=0;
N_Veg.chicken_biryani=0;
N_Veg.mutton_biryani=0;
N_Veg.n_veg_total=0;
Starters.veg_crispy=0;
Starters.chicken_crispy=0;
Starters.paneer_chilly=0;
Starters.chicken_chilly=0;
Starters.masala_papad=0;
Starters.veg_soup=0;
Starters.chicken_soup=0;
Starters.tomato_soup=0;
Starters.cheese_pakoda=0;
Starters.paneer_pakoda=0;
Starters.starters_total=0;
Veg.roti=0;
Veg.butter_roti=0;
THANK YOU , Your order will be served soon :)
If you want to order anything else click menu
Menu

Chapter 8

Conclusion and Future Scope

8.1 Conclusion

The proposed system would attract customers and also adds to the efficiency of maintaining the restaurant's ordering and billing sections.

8.2 Future Scope

- Online food ordering system for particular restaurant from home using internet.
- Mentioning of preparation time of food that will helpful to customers in their busy schedule.

INDIVIDUAL CONTRIBUTION REPORT:

RESTAURANT MENU ORDERING SYSTEM

<RIMJHIM DASH>
<1706252>

Abstract: Restaurant menu Ordering System is an android-based application that can be used by an user to choose the food he/she likes and place an order. The main objective to build the system is to provide ease in placing and managing orders in a restaurant.With this system,online ordering and management will become easier and systematic to replace traditional ordering system using pen and paper.This application is developed in Android Studio using JAVA language. Furthermore,restaurants will highly benefit from this application.

Individual contribution and findings: I have contributed for the part non veg and thank you page in the application.I came to know about many keywords and methods in JAVA.I have found the layouts that we can put in the project then added button,text view,edit text,text field etc in layout.There are two important types of layout first one is Relative layout and the second one is linear layout.For these two the application is aligned correctly.

Individual contribution to project report preparation: I have contributed the part project planning and implementation.Here the total plan is written according to which we got motivated to design this application.In implementation part I have shown the class diagram and use case diagram of the application and how it works.This app can be used by both restaurant and customer for fast and secured way for ordering food.

Individual contribution for project presentation and demonstration: In presentation I have made the slides for non-veg.java and thank you.java.For good explanation I have added the screenshots of app with java code.In this I have written how the following code works in the emulator and the methods and layouts I have used to build these two page for the app.

Full Signature of Supervisor: Full signature of the student:

……. ……..