A Project Report

on

Canteen Management System

Submitted in partial fulfillment of requirements for the award of

B.E VI Semester Mini Project

Bachelor Of Engineering

IN

Computer Science and Engineering

Syed Shakeeb Assil

160116733176

Under the guidance of

Ms.D.Naga Jyothi
Assistant Professor
Dept. of CSE,CBIT

Mr.K Kiran Prakash
Assistant Professor
Dept. of CSE,CBIT

Ms.Sathi Durga Devi
Assistant Professor
Dept. of CSE,CBIT

Department of Computer Science and Engineering

Chaitanya Bharathi Institute of Technology(A)

Hyderabad - 500075

April 2019

CERTIFICATE

This is to certify that the project work entitled **Canteen Management System** submitted by **Syed Shakeeb Assil(160116733176)** in partial fulfilment of requirements for the award of degree of Bachelor of Engineering in Computer Science and Engineering as specialization is a record of the bonafide work carried out under the supervision of Ms.D.Naga Jyothi, Mr.Kiran Prakash, and this has not been submitted to any other university or institute for award of degree or diploma.

Project Guide

Ms.D.Naga Jyothi
Assistant Professor

Mr.K Kiran Prakash
Assistant Professor

Ms.Sathi Durga Devi
Assistant Professor

Head of the Department

Dr. M Swamy Das
Professor of Head
Department of CSE
CBIT

Batch Incharge
Ms.Kavita Agarwal
Assistant Professor
Dept. of CSE,CBIT

DECLARATION

I hereby declare that the research work entitled **Canteen Management System** is original and bonafide work carried out by me as a part of fulfillment for Bachelor of Engineering in Computer Science and Engineering,Chaitanya Bharathi Institute of Technology, Gandipet, Hyderabad under the guidance **Ms.D.Naga Jyothi**, Assistant Professor, Dept. of CSE, **Mr.K Kiran Prakash**, Assistant Professor, Dept. of CSE, **Ms.Sathi Durga Devi**, Assistant Professor, Dept. of CSE and batch in charge of Mrs. Kavita Agarwal, Asst. Professor, Department of CSE, CBIT.

No part of the project work is copied from books/journals/internet and wherever the partition is taken, the same has been duly referred in the text. The report is based on the project work done entirely by me and not copied from any other source.

Syed Shakeeb
160116733176

ACKNOWLEDGEMENT

The satisfaction that accompanies the successful completion of any task would be incomplete without introducing the people who made it possible and whose constant guidance and encouragement crowns all efforts with success. They have been a guiding light and source of inspiration towards the completion of the project.

I would like to express my sincere gratitude and indebtedness to my project guide, who has supported me throughout my project with patience and knowledge.

I am also thankful to Head of the department Dr.M.Swamy Das for providing excellent infrastructure and a conducive atmosphere for completing this project successfully.

I am also extremely thankful to my mentors Ms.D.Naga Jyothi, Mr.Kiran Prakash, Ms.Sathi Durga Devi and Project Incharges Ms.D.Naga Jyothi**,** Asst. Professor, Dept.of CSE, Mr.Kiran Prakash**,** Asst. Professor, Dept of CSE and Ms.Sathi Durga Devi, Assistant Professor, Dept of CSE for their valuable suggestions and interest throughout the course of this project.

I convey my heartfelt thanks to the lab staff for allowing me to use the required equipment whenever needed.

Finally, I would like to take this opportunity to thank my family for their support through the work. I sincerely acknowledge and thank all those who have directly or indirectly their support in the completion of this work.

ABSTRACT

The proposed system will make the management of the canteen easier, convenient and accurate, the cashier has the access to the application where he can get the details of the available items on the menu and can list the items ordered by the customer and add it to the cart and then bill the items accordingly.

The user have two options where the user can order the food online or maybe the user can also the order offline where the cashier can take the order of the food, when the user access to the app where the list of the items which are available, unavailable and special item of the day and confirms the order which generates the order id.
If the user orders the food offline the customer can give the order to the cashier where the cashier can enlist the items and the customer can order the food from the selected menu lists which add to the shopping cart and later confirms the order which the system generates the order id.

The chef can see the orders which are stored in the database and match the order id of the customer which supplies the food accordingly at the food counter to the customer.

The system hence makes the management of the canteen easier and efficient.

LIST OF FIGURES

TABLE OF CONTENTS

Content **Page No.**

1. INTRODUCTION

Canteen is a type of food service location in which there is little or no waiting staff table service, whether a restaurant or within an institution such as a large office building or school where there are food-serving counters and the food is placed on the tray table.

Customers take the food that they desire as they walk along, placing it on a tray. In addition, there are often stations where customers order food, particularly items such as idli or dosa which must be served hot and can be immediately prepared with little waiting.

Alternatively, the patron is given a number and the item is brought to their table. For some food items and drinks, such as sodas, water, or the like, customers collect an empty container, pay at the check-out, and fill the container after the check-out.

Customers are charged pay at the check-out for each item. Some self-service cafeterias charge by the weight of items on a patron's plate.

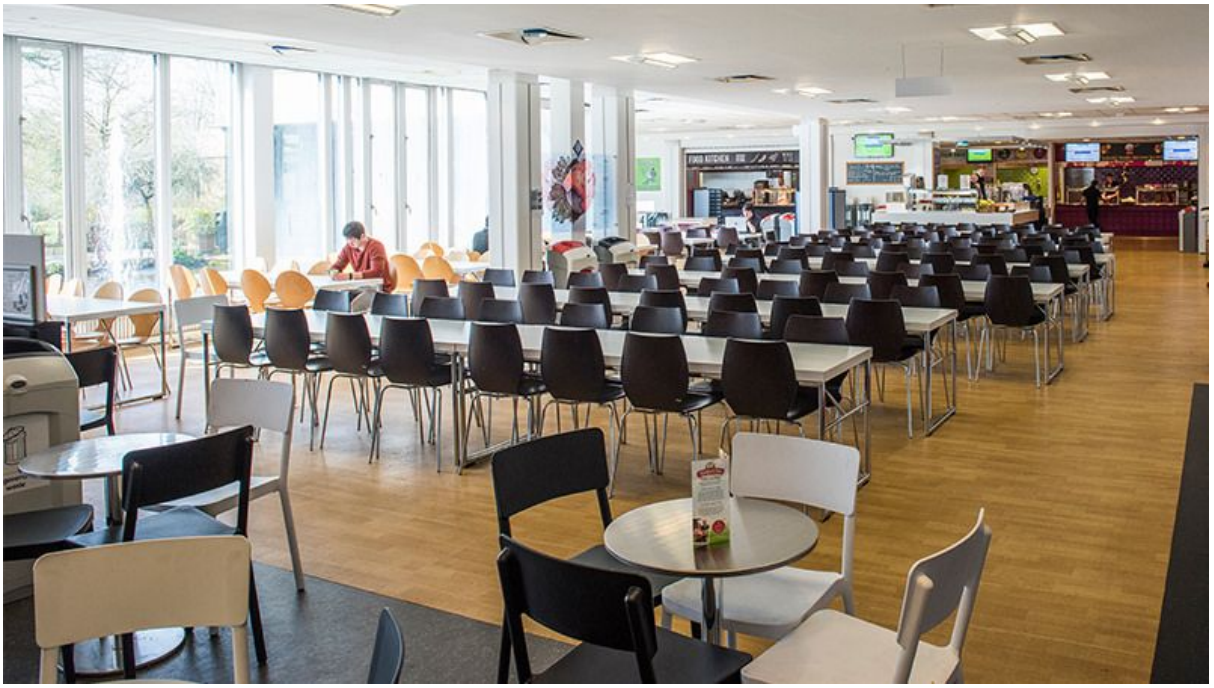

Figure No. 1
Canteen picture

1.1 OBJECTIVE

We aim to create an android application for the canteen where there are three users who are customer/user, cashier, and chef.

Customer/User can order the food either by online or offline and pay the money for the food to the cashier and then collect the food at the food-serving table.

The cashier can take the order from the user, if the user orders the food offline and depending upon the menu the user can order the food and order number will be generated accordingly.

The chef can access the database where the chef can see what the users have ordered at online and offline and depending upon the order number the food will be served.

1.2 EXISTING SYSTEM

Canteen Management System in the college and schools is a very old-fashioned system where the customer has to go to the cashier for ordering the food and after ordering the food from the selected food menu items, the user has to go to crowded food-serving counters where there is no order number on the order of the user.

The serving of the food from the kitchen is a mess where the customer arrived first to the kitchen will the first to receive the food hence the system in the canteen is very inefficient.

1.3 PROPOSED SYSTEM

Canteen Management System where the user from the selected menu items can order the food either by online or offline and the order is then passed it to the chef where the prepares the food accordingly and serves it accordingly.

If the user can order the food by online which the user wants to book the order by selecting the selected food items list in the menu and then confirming the order which the user can pay by cash at the cashier.

If the user can order the food by offline where the cashier can take the order of the customer where the customer can add into the shopping cart from the selected menu items and confirm the order by generating the order id in the order summary.

The chef of the kitchen can access the database to view the food items list which the user has ordered by matching with the order id either by online or offline.

1.4 **Organization of the Report**

This project is mainly divided into 6 modules as follows:-

- Literature Survey discusses the literature survey of this project which makes an insight into the core part of our project along with technologies used.
- The System Architecture part deals with the design of our proposed system.
    - The Implementation part deals with the implementation of our system which discusses the algorithms used in building our the system.
- The Result section displays our results and discussions through a series of screenshots.
- The final part of the project talks about the conclusion and the future scope of the project.

2. LITERATURE SURVEY

People are an integral part of any organization today. No organization can run without its human resources.

In today's highly complex and competitive situation, choice of right person at the right place has far reaching implications for an organization's functioning. Employee well selected and well placed would not only contribute to the efficient running of the organization but offer significant potential for future replacement.

This hiring is an important function. The process of hiring begins with human resource planning (HRP) which helps to determine the number and type of people on organization needs.

Job analysis and job design enables to specify the task and duties of hobs and qualification expected from prospective job HRP, job analysis, hob design helps to identify the kind of people required in an organization and hence hiring.

The issues faced by the existing recruitment and selection procedures will be highlighted in this chapter with an aim to recognize and conquer the same problems with the help of this project.

The quality of employees you hire depends on an effective recruitment and selection strategy. However, the process isn't always smooth sailing.

Employers face tangible problems such as the cost of advertising job openings and intangible obstacles such as improving communication between recruiters and hiring managers.

This process is also fabricated and hampered to the selection of internal and favoured students holding the talented ones behind.

3. METHODOLOGY

A software development methodology or system development methodology in software engineering is a framework that is used to structure, plan, and control the process of developing an information system.

3.1 **SYSTEM DESIGN**

Systems design is the process of defining the architecture, modules, interfaces, and data for a system to satisfy specified requirements. Systems design could be seen as the application of systems theory to product development. There is some overlap with the disciplines of systems analysis, systems architecture and systems engineering.

Architectural design

The architectural design of a system emphasizes the design of the system architecture that describes the structure, behavior and more views of that system and analysis.

Logical design

The logical design of a system pertains to an abstract representation of the data flows, inputs and outputs of the system. This is often conducted via modeling, using an over-abstract (and sometimes graphical) model of the actual system. In the context of systems, designs are included. Logical design includes entity- relationship diagrams (ER diagrams).

Physical design

The physical design relates to the actual input and output processes of the system. This is explained in terms of how data is input into a system, how it is verified/authenticated, how it is processed, and how it is displayed. In physical design, the following requirements about the system are decided.

1. Input requirement,
2. Output requirements,
3. Storage requirements,
4. Processing requirements,
5. System control and backup or recovery.

3.1.1 **PROPOSED ALGORITHM**

In this work, we have to make the Canteen Management System in which there can be three users in the Canteen Management System for the Android Application which are User, Cashier, and Chef where the user can order the food either by online or offline and if the user wants to order the food offline the cashier will take the order of the food.

The cashier takes the order from the User and confirms the order by adding it into the database.

The chef can access the databases which store the orders of the users of both offline and online.

If the user can order the food by online then the user can order the food by online by logging in with an email id and password credentials and if not registered then the user can also register with his username, email, and password with the canteen management system.

After login and registering, the user can order the food by adding the items into the shopping cart and also then the food can be selected from the menu items list where the button at the side to the food item will be placed to add to the shopping cart. Since this Canteen Management System shopping cart can add the items in the shopping cart only one item and after confirmation the user will be displayed the order number and order items with a total price to be paid.

After confirmation, the order will be added to the database where the Chef can access the database to view the order of the user.

If the user wants to order the food by offline the user can go to the cashier where the cashier has to log in with email and password credentials and if not registered then the user can also register with his username, email, and password with the canteen management system.

After login and registering, the cashier can take order by adding the items into the shopping cart from the selected menu items list from the user where the button at the side to the food item will be placed to add to the shopping cart. Since this Canteen Management System shopping cart can add the items in the shopping cart only one item and after confirmation from the user, order number and order items with a total price will be displayed and the user has to pay the total amount.

After confirmation, the order will be added to the database where the Chef can access the database to view the order of the user and prepares the food accordingly.

The chef will supply the food at the food-serving counter by checking out its order number. The Chef has access to both of the databases which store the order either by online and offline.

3.1.2 **Diagrammatic Representation**

3.1.2.1 **Data Flow Diagram Level 0 Diagram**

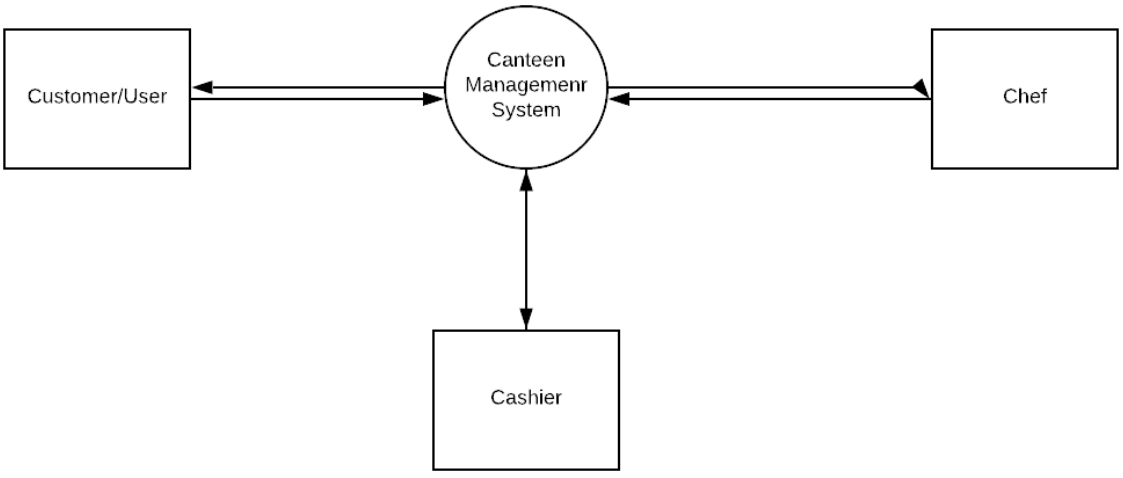

Figure No.2
DFD Level 0 Diagram

3.1.2.2 **Data Flow Diagram Level 1 Diagram**

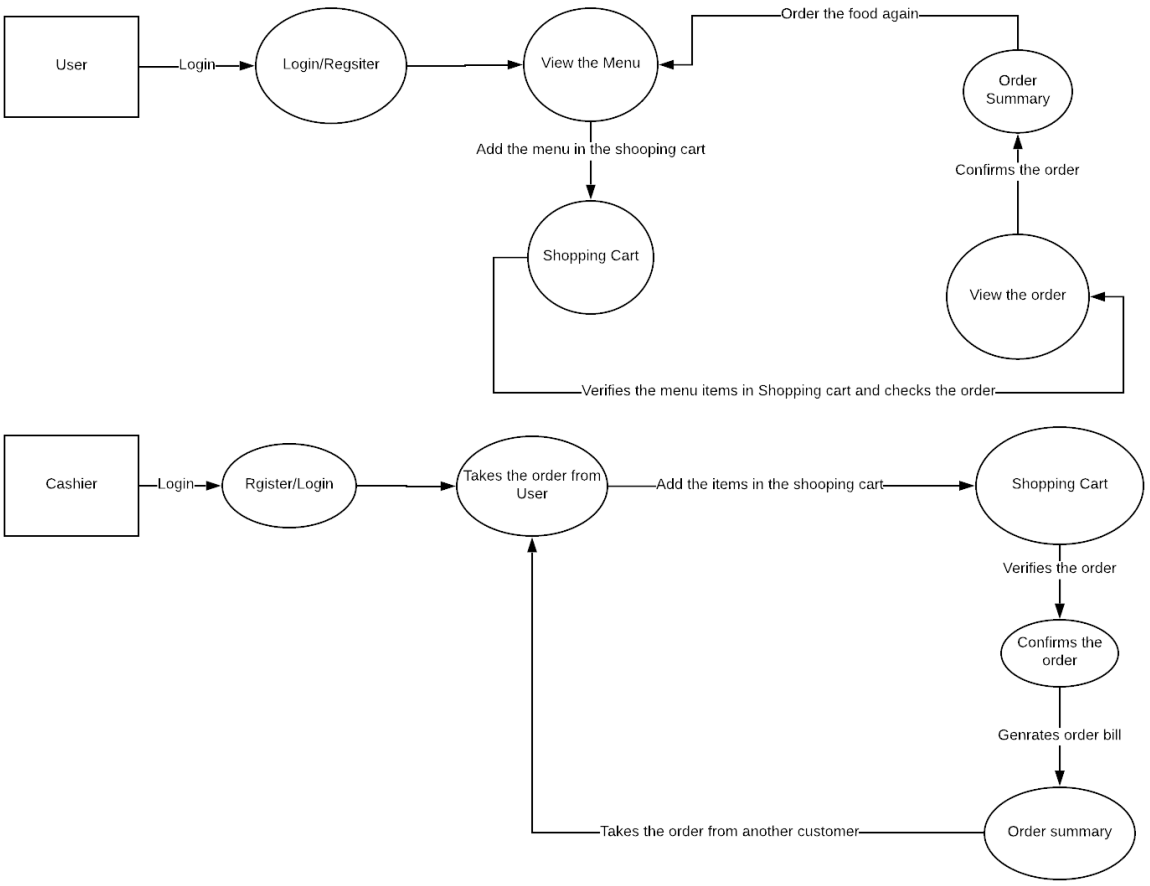

Figure No.3
DFD Level 1 Diagram

3.1.2.3 **Use Case Diagram**

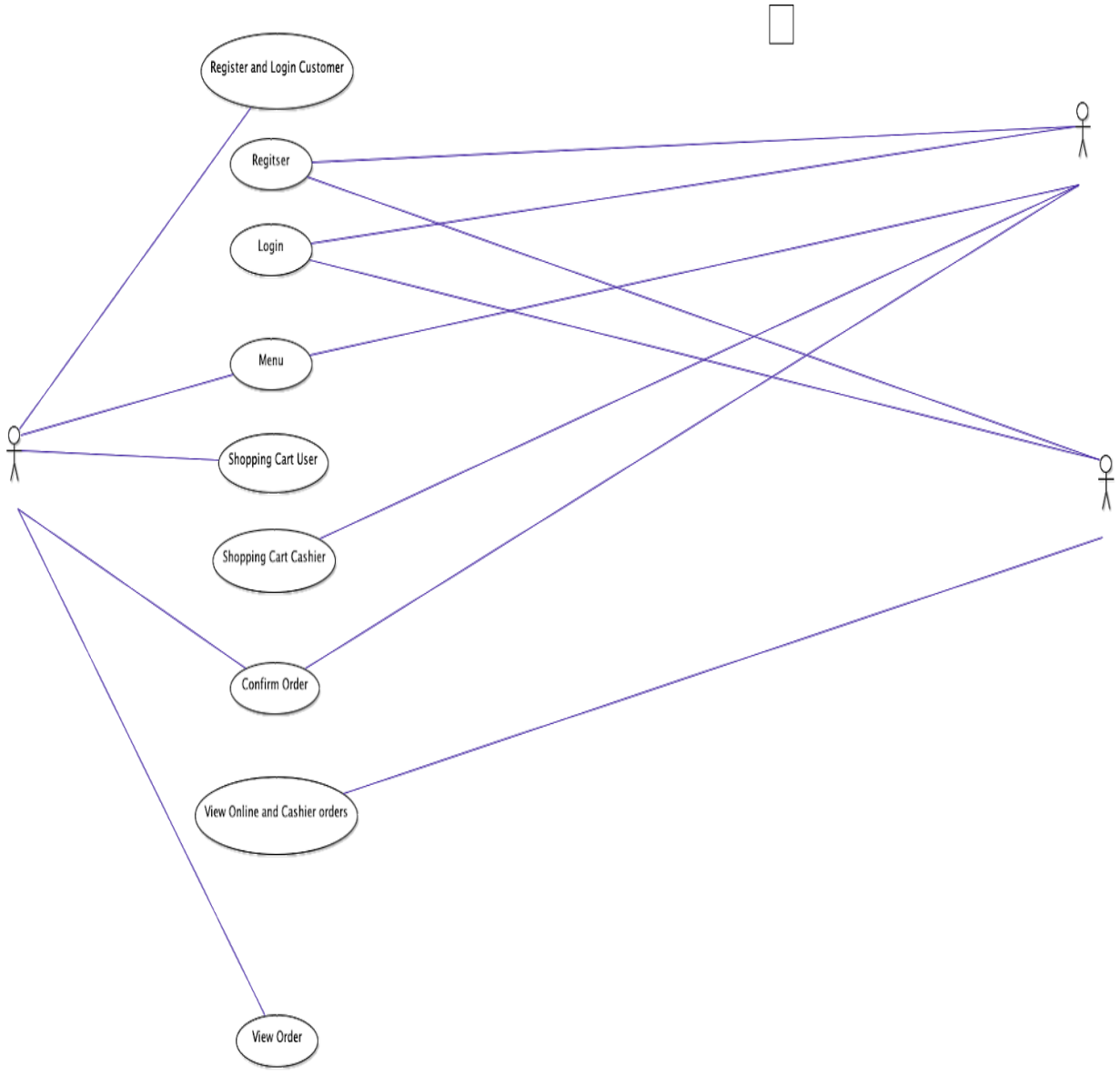

Figure No.4
Use Case Diagram

3.1.2.4 **Activity Diagram**

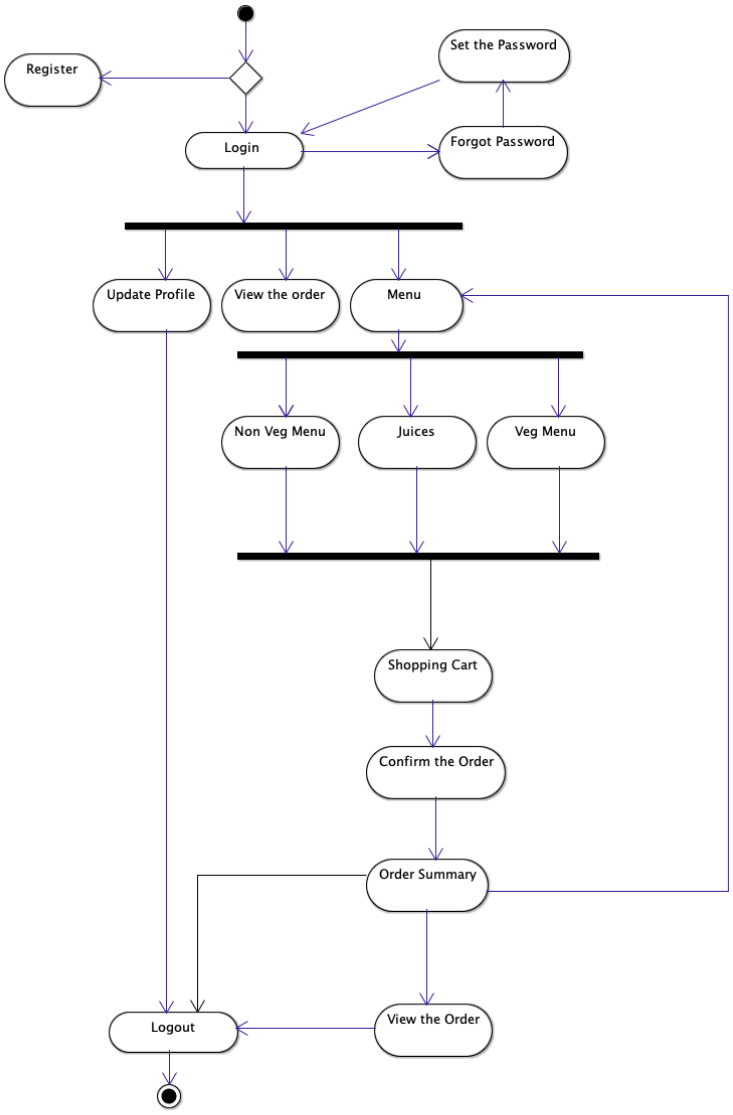

Figure No.5

Activity Diagram

3.2 **TECHNOLOGIES USED**

3.2.1 **Android Studio**

Android Studio is the official IDE for android application development. It works based on IntelliJ IDEA, You can download the latest version of the android studio from Android Studio 2.2 Download, If you are new to installing Android Studio on windows, you will find a file, which is named as *android-studio-bundle-143.3101438-windows.exe*.So just download and run on windows machine according to android studio wizard guideline.

Android Studio was announced on May 16, 2013, at the Google I/O conference. It was in early access preview stage starting from version 0.1 in May 2013, then entered beta stage starting from version 0.8 which was released in June 2014.

The following features are provided in the current stable version:

- Gradle-based build support
- Android-specific refactoring and quick fixes
- Lint tools to catch the performance, usability, version compatibility, and other problems
- ProGuard integration and app-signing capabilities
- Template-based wizards to create common Android designs and components
- A rich layout editor that allows users to drag-and-drop UI components, option to preview layouts on multiple screen configurations[16]
- Support for building Android Wear apps
- Built-in support for Google Cloud Platform, enabling integration with Firebase Cloud Messaging (Earlier 'Google Cloud Messaging') and Google App Engine

3.2.2 **Java**

Java is a general-purpose computer programming language that is concurrent, class-based, object-oriented, and specifically designed to have as few implementation dependencies as possible. It is intended to let application developers "write once, run anywhere" meaning that compiled Java code can run on all platforms that support Java without the need for recompilation. Java applications are typically compiled to bytecode that can run on any Java virtual machine (JVM) regardless of computer architecture. As of 2016, Java is one of the most popular programming languages in use, particularly for client-server web applications, with a reported 9 million developers. Java was originally developed by James Gosling at Sun Microsystems (which has since been acquired by Oracle Corporation) and released in 1995 as a core component of Sun Microsystems' Java platform. The language derives much of its original features from SmallTalk, with a syntax similar to C and C++, but it has fewer low-level facilities than either of them.

The original and reference implementation Java compilers, virtual machines, and class libraries were originally released by Sun under proprietary licenses. As of May 2007, in compliance with the specifications of the Java Community Process, Sun relicensed most of its Java technologies under the GNU General Public License. Others have also developed alternative implementations of these Sun technologies, such as the GNU Compiler for Java (bytecode compiler), GNU Classpath (standard libraries), and IcedTea-Web (browser plugin for applets).

For several years, Java has been the language of choice of naïve and experienced programmers, alike. Some of the most important uses of Java are:

- **Creating Android Applications –** Though there is a variety of JVM-usage and packaging methods for the distribution of Android apps, the code written is basically Java. Even the latest Android-app maker Kotlin programming language is inspired by Java. Google’s Android API is used predominantly for making apps for the Android platform.

- **Designing Web Applications –** Another popular use of Java is for designing

- web applications. In addition to private organizations like Google, government facilities, healthcare institutions, educational bodies, and even defense departments rely on Java for building important web applications.

● **Scientific Applications –** Java is also used for making scientific applications a reality. It is

preferred over C++, which is also used for the same purpose because it flaunts better high- level concurrency tools in addition to being maintainable, portable, and safe.

● **Software Tools –** Java is a big part of the software industry. It has been used to fuel open- source and commercial projects alike. Eclipse, IntelliJ IDEA, and NetBeans IDE are some of the best IDEs to create Java applications and even they are developed using Java.

Features of Java

1) Simple

Eg: Pointers and Operator Overloading are not there in java but were an important part of C.

2) Object Oriented

In Java everything is object oriented and object which have some data and behaviour.

3) Robust

Java makes an effort to eliminate error-prone codes by emphasizing mainly on compile-time error checking and runtime checking. But the main areas which Java improved were Memory Management and mishandled Exceptions by introducing automatic **Garbage Collector** and **Exception Handling**.

4) Platform Independent

Unlike other programming languages such as C, C++, etc which are compiled into platform specific machines. Java is guaranteed to be write-once, run-anywhere language.

On compilation, Java program is compiled into bytecode. This bytecode is platform independent and can be run on any machine, plus this bytecode format also provides security. Any machine with Java Runtime Environment can run Java Programs.

5) Secure

When it comes to security, Java is always the first choice. With java secure features it enables us to develop virus-free, tamper-free system. Java program always runs in Java runtime environment with almost null interaction with system OS, hence it is more secure.

6) Multi-Threading

Java multithreading feature makes it possible to write a program that can do many tasks simultaneously. The benefit of multithreading is that it utilizes the same memory and other resources to execute multiple threads at the same time, like While typing, grammatical errors are checked along.

7) Architectural Neutral

The compiler generates bytecodes, which have nothing to do with particular computer architecture, hence a Java program is easy to interpret on any machine.

8) Portable

Java Byte code can be carried to any platform. No implementation-dependent features. Everything related to storage is predefined, example: size of primitive data types.

9) High Performance

Java is an interpreted language, so it will never be as fast as a compiled language like C or C++. But, Java enables high performance with the use of the just-in-time compiler.

3.2.3 **SQLite Database**

SQLite Database is a relational database management system contained in a C programming library. In contrast to many other database management systems, SQLite is not a client-server database engine. Rather, it is embedded into the end program.

SQLite is ACID-compliant and implements most of the SQL standard, generally following PostgreSQL syntax. However, SQLite uses a dynamically and weakly typed SQL syntax that does not guarantee the domain integrity.This means that one can, for example, insert a string into a column defined as an integer. SQLite will attempt to convert data between formats where appropriate, the string "123" into an integer in this case, but does not guarantee such conversions, and will store the data as-is if such a conversion is not possible.

Unlike client–server database management systems, the SQLite engine has no standalone processes with which the application program communicates. Instead, the SQLite library is linked in and thus becomes an integral part of the application program. Linking may be static or dynamic. The application program uses SQLite's functionality through simple function calls, which reduce latency in database access: function calls within a single process are more efficient than inter-process communication.

SQLite stores the entire database (definitions, tables, indices, and the data itself) as a single cross-platform file on a host machine. It implements this simple design by locking the entire database file during writing. SQLite read operations can be multitasked, though writes can only be performed sequentially.

Due to the server-less design, SQLite applications require less configuration than client-server databases. SQLite is called *zero-conf* because it does not require service management (such as startup scripts) or access control based on GRANT and passwords. Access control is handled by means of file system permissions given to the database file itself. Databases in client-server systems use file system permissions which give access to the database files only to the daemon process.

Another implication of the serverless design is that several processes may not be able to write to the database file. In server-based databases, several writers will all connect to the same daemon, which is able to handle its locks internally. SQLite on the other hand has to rely on file-system locks. It has less knowledge of the other processes that are accessing the database at the same time. Therefore, SQLite is not the preferred choice for write-intensive deployments.[9] However, for simple

queries with little concurrency, SQLite performance profits from avoiding the overhead of passing its data to another process.

SQLite uses PostgreSQL as a reference platform. "What would PostgreSQL do" is used to make sense of the SQL standard. One major deviation is that, with the exception of primary keys, SQLite does not enforce type checking; the type of a value is dynamic and not strictly constrained by the schema (although the schema will trigger a conversion when storing, if such a conversion is potentially reversible). SQLite strives to follow Postel's Rule.

3.3 **SOFTWARE REQUIREMENTS**

Operating System : Windows 8 or Windows 10, Mac OS X 10.8.3+

Processor: 2GHz Dual Core or above

RAM : 4GB or above

Disk Space : 4GB

Software : Android Studio

4. RESULTS AND DISCUSSIONS

User online

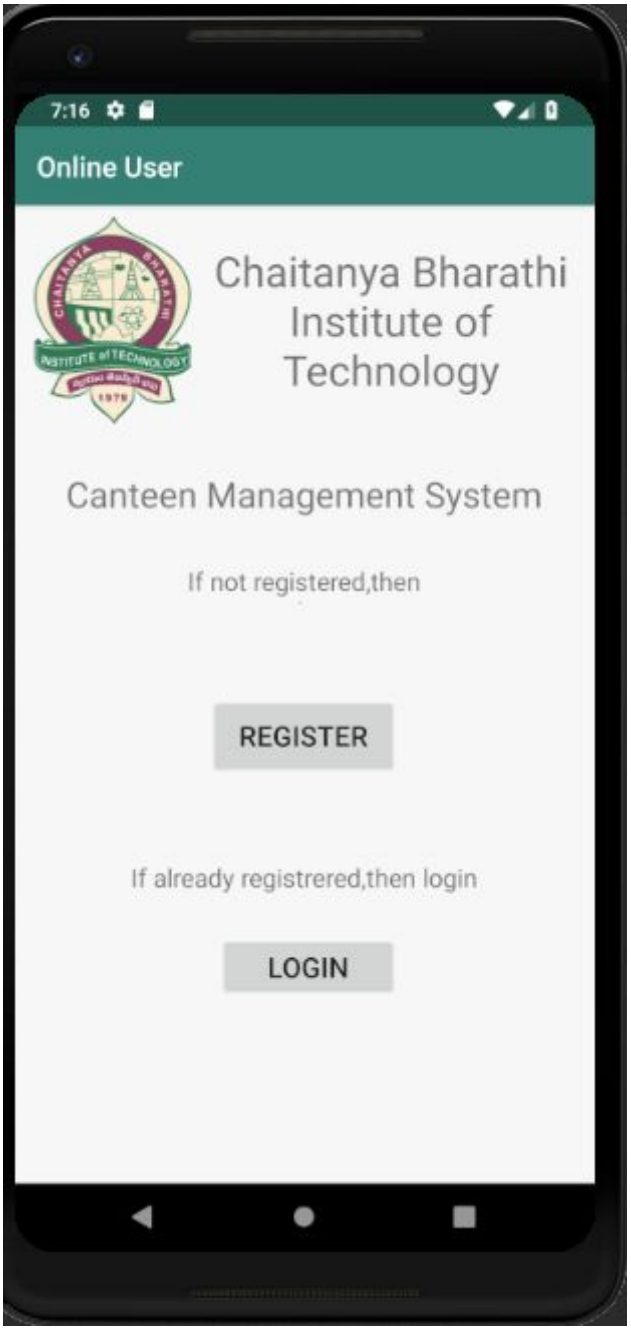

Figure No.6
User Welcome Page

This is the starting page of the user online application where it is asking whether it is first time regsitering or the user can login if already registered.

Figure No.7
Registration Page

It will ask all the details of the user can then further after successful registartion it can take you to the homepage menu.

Figure No.8
Login Page

If the user is already registered, then the user can login with the email and password credentials. After the successful login and registration, the user can go to the homepage to select the food item from the menu.

Figure No.9
User Homepage Menu

The user can edit the items in the quantity and then proceed further to shopping cart to check the full price of the menu.

Figure No.10
User Non Veg Menu

The user have a wide variety of options in menu which are veg,non-veg,snacks and juices as the above screenshots are the menu items for both veg and non-veg.

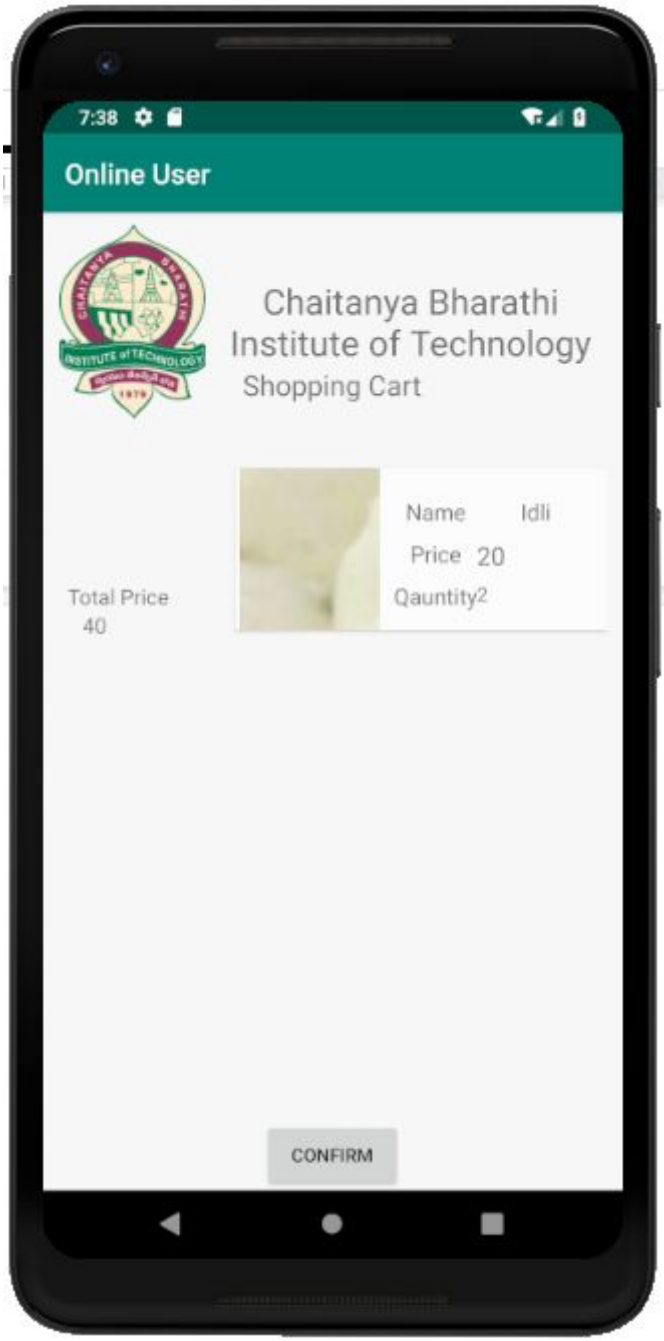

Figure No.11
User shopping Cart

It will display the application of the confirmation order with a total price and a total number of quantity in it.

After confirmation, it will show the order summary where the user can further shoe it to chef for receiving the food.

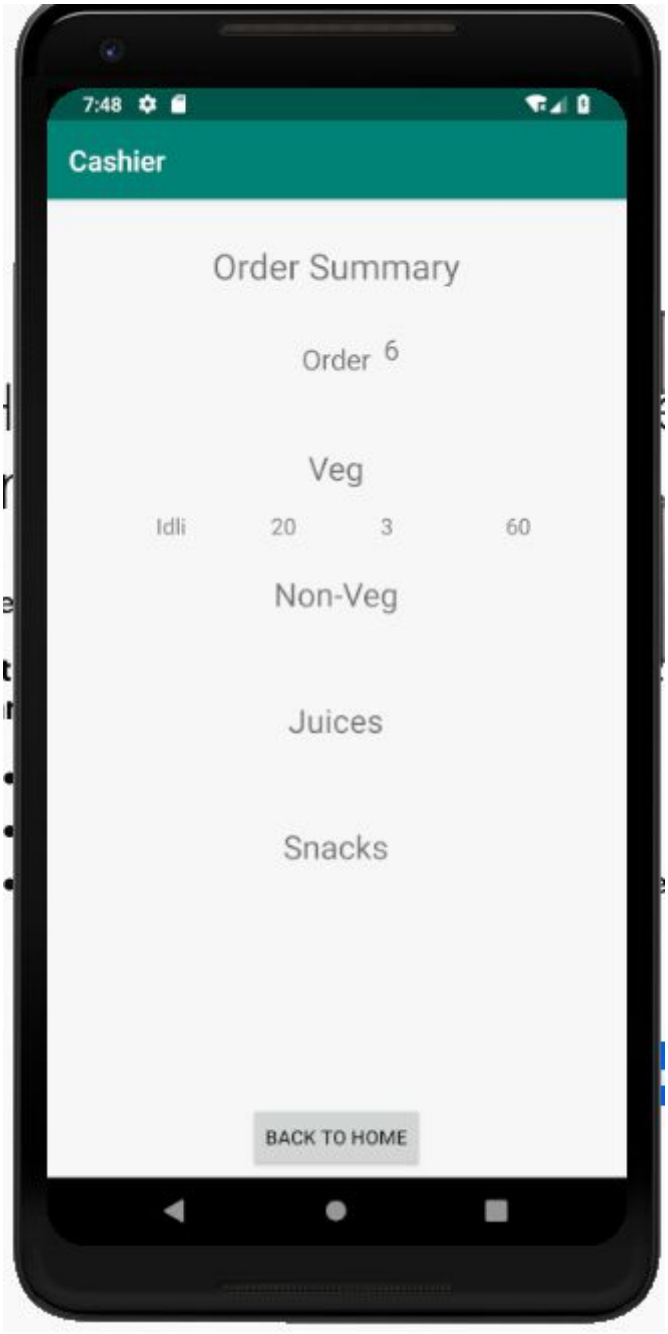

Figure No.12
Order Summary

After confirmation of the order, the order summary will be genrated, the user can show it to the chef for confirmation with the order id, and items ordered along with it.

Cashier

Figure No.13
Cashier Login Page

The cashier can login with thier the email and password credentials for accessing the homepage menu and taking order from the user.

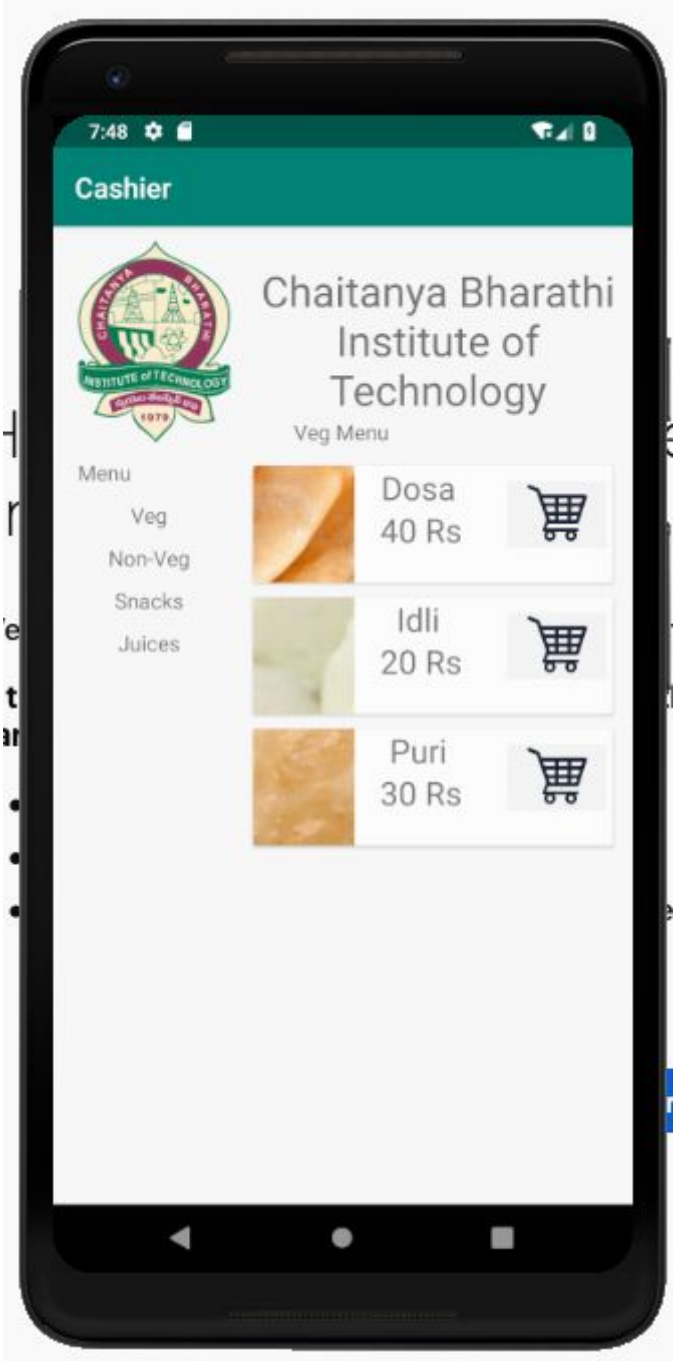

Figure No.14
Cashier Veg Menu

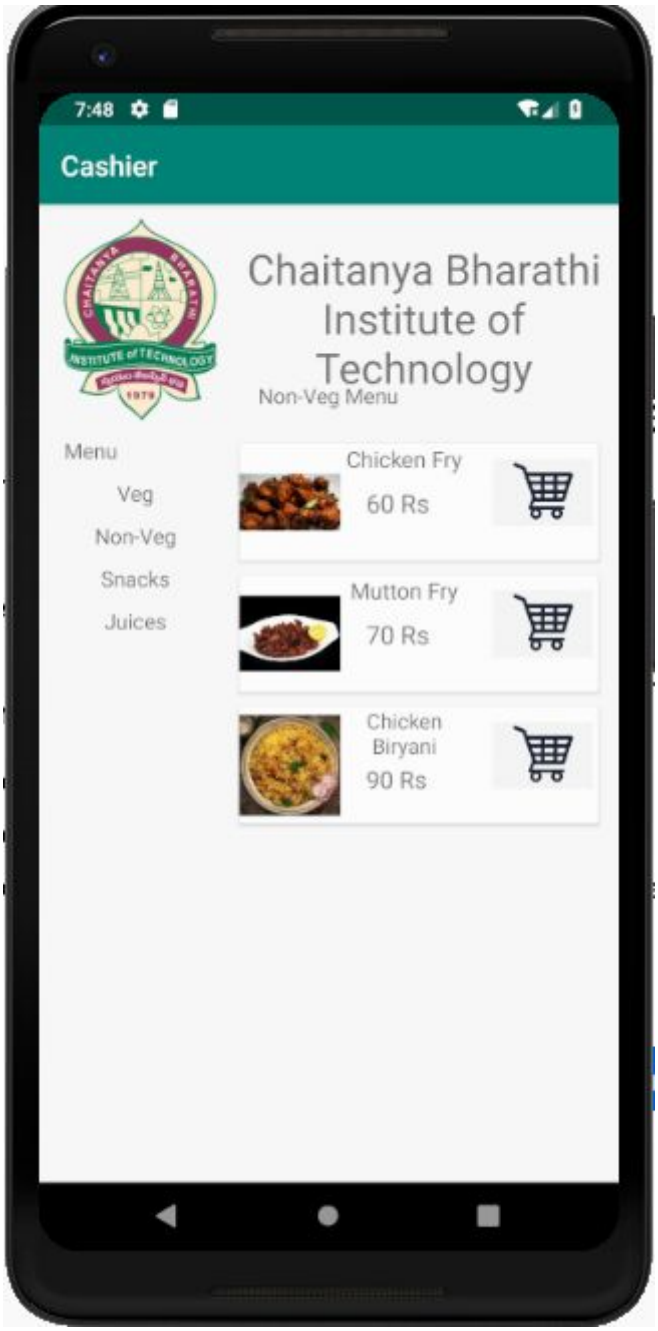

Figure No.15
Cashier Non-Veg Menu

The homepage menu contains four different categories such as veg, non-veg, juices and snacks where the cashier can take the order from the user from the menu list of different categories.

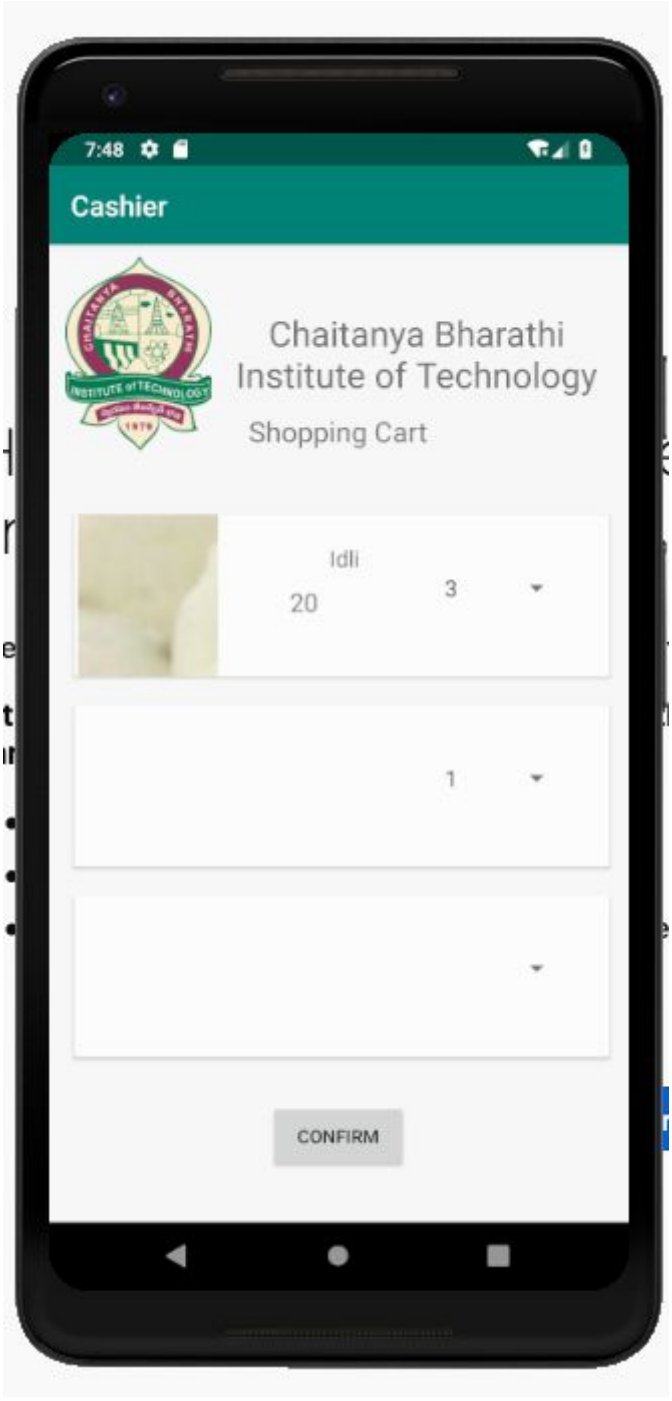

Figure No.16
Cashier Shopping Cart

After the user can takes the order from the user, it takes it to the shopping cart and edits the quantity of how much the user wants and confirmation of the order can take them to the

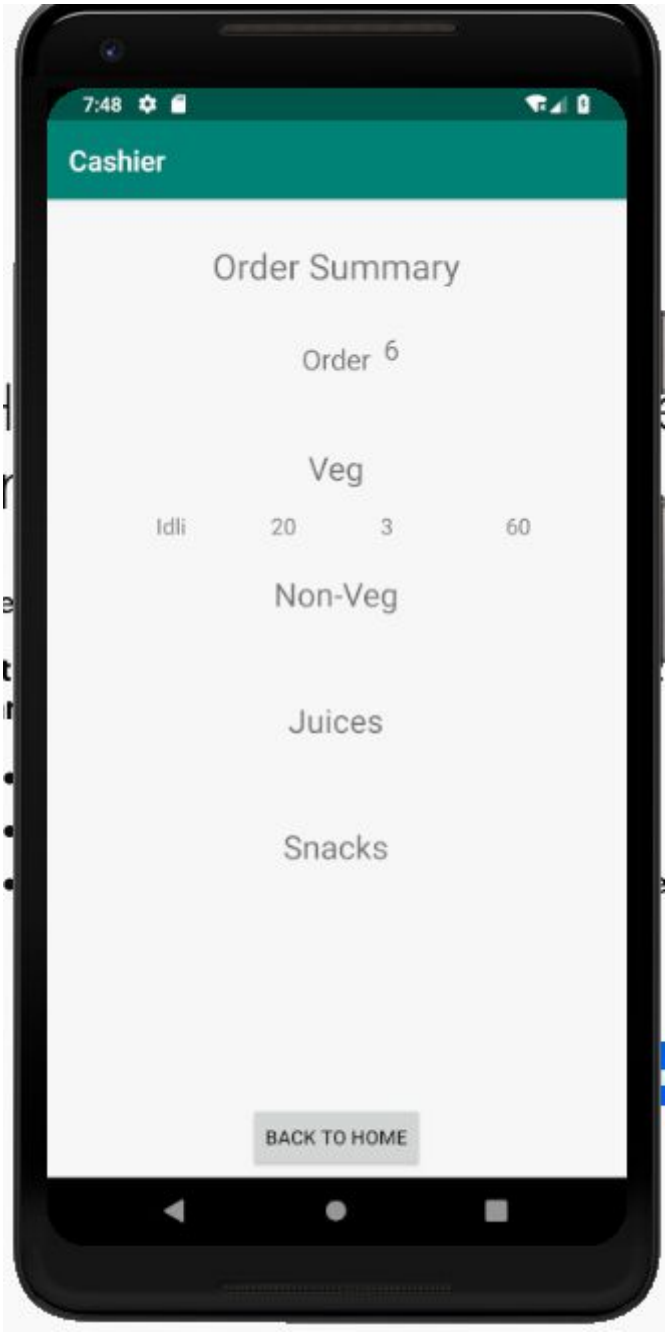

Figure No.17
Cashier Order Summary

After confirmation, it will show the order summary where it will show the order number and the items which are ordered under different categories along with item name, item quantity, item price and the total price.

And back to home leads to the homepage menu where the cashier can take the order for another customer.

Chef

Export	ID	NAME	QUANTITY	PRICE	NAMEUSER	TOTALPRICE
1	1	Dosa	4	40	NULL	160
2	2	Dosa	4	40	NULL	160
3	3	Chicken Fry	3	60	NULL	180
4	4	Dosa	4	40	NULL	160
5	5	Dosa	3	40	NULL	120
6	6	Chicken Fry	10	60	NULL	600
7	7	Mutton Fry	5	70	NULL	350
8	8	Dosa	4	40	NULL	160
9	9	Dosa	4	40	NULL	160
10	10	Mutton Fry	5	70	NULL	350
11	11	Dosa	3	40	NULL	120
12	12	Dosa	4	40	NULL	160
13	13	Mutton Fry	5	70	NULL	350
14	14	Chicken Biryani	10	90	NULL	900
15	15	Dosa	2	40	NULL	80
16	16	Dosa	3	40	NULL	120
17	17	Dosa	4	40	NULL	160
18	18	Dosa	3	40	NULL	120
19	19	Idli	2	20	NULL	40

Figure No.18
Chef Database Table

Chef can access the database where the chef can check the order of the customer whether it is online or offline for the confirmation by comparing it with the order id and give the food depending upon the order that customer ordered.

5.Conclusion

Canteen Management System in the college and schools can be implemented for both of the customer and cashier where the customer can access both either online or offline where the customer can book the order in advance by online and going to the chef to receive the order if the order id are matching.

With the help of XML and Java we are able to make layout of the android application and perform certain functions such storing the order in the database and also storing the information of the users from which the chef is able to access the database and supply the orders depending after matching with the order id.

6.References

1. https://en.wikipedia.org/wiki/Cafeteria
2. https://github.com/shakeeb98/CanteenManagementSystem/tree/master/Final%20Project%20On%20Online%20Canteen%20Management%20System
3. https://en.wikipedia.org/wiki/Java_(software_platform)
4. https://www.youtube.com/watch?v=xNPkXGdVw7E&list=PLIyCyjh2pUe9wv-hU4my-Nen_SvXIzxGB&index
5. https://images.google.com

APPENDIX:

```
<?xml version="1.0" encoding="utf-8"?>
<android.support.constraint.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
   xmlns:app="http://schemas.android.com/apk/res-auto"
   xmlns:tools="http://schemas.android.com/tools"
   android:layout_width="match_parent"
   android:layout_height="match_parent"
   tools:context=".Confirm">

   <TextView
      android:id="@+id/textView4"
      android:layout_width="wrap_content"
      android:layout_height="31dp"
      android:layout_marginStart="8dp"
      android:layout_marginLeft="8dp"
      android:layout_marginTop="8dp"
      android:layout_marginEnd="8dp"
      android:layout_marginRight="8dp"
      android:layout_marginBottom="36dp"
      android:gravity="center"
      android:text="Order Summary"
      android:textSize="25dp"
      app:layout_constraintBottom_toTopOf="@+id/textView6"
      app:layout_constraintEnd_toEndOf="parent"
      app:layout_constraintStart_toStartOf="parent"
      app:layout_constraintTop_toTopOf="parent"
      app:layout_constraintVertical_bias="1.0" />


      <Button
         android:id="@+id/home_button"
         android:layout_width="wrap_content"
```

```
        android:layout_height="wrap_content"
        android:layout_marginStart="8dp"
        android:layout_marginLeft="8dp"
        android:layout_marginEnd="8dp"
        android:layout_marginRight="8dp"
        android:text="Back to Home"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.993" />

    <TextView
        android:id="@+id/textView6"
        android:layout_width="wrap_content"
        android:layout_height="32dp"
        android:layout_marginStart="8dp"
        android:layout_marginLeft="8dp"
        android:layout_marginTop="8dp"
        android:layout_marginEnd="8dp"
        android:layout_marginRight="8dp"
        android:layout_marginBottom="8dp"
        android:gravity="center"
        android:text="Order"
        android:textSize="20dp"
        app:layout_constraintBottom_toTopOf="@+id/scrollView3"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.778" />

    <TextView
        android:id="@+id/order_number"
        android:layout_width="10dp"
        android:layout_height="wrap_content"
        android:layout_marginStart="8dp"
        android:layout_marginLeft="8dp"
        android:layout_marginTop="8dp"
        android:layout_marginEnd="8dp"
        android:layout_marginRight="8dp"
        android:layout_marginBottom="8dp"
        android:gravity="center"
```

```
    android:text="1"
    android:textSize="20dp"
    app:layout_constraintBottom_toTopOf="@+id/scrollView3"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.602"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView4"
    app:layout_constraintVertical_bias="0.397" />

<ScrollView
    android:id="@+id/scrollView3"
    android:layout_width="395dp"
    android:layout_height="463dp"
    android:layout_marginStart="8dp"
    android:layout_marginLeft="8dp"
    android:layout_marginTop="8dp"
    android:layout_marginEnd="8dp"
    android:layout_marginRight="8dp"
    android:layout_marginBottom="12dp"
    app:layout_constraintBottom_toTopOf="@+id/home_button"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.0"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.974">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="vertical">

        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginLeft="5dp"
            android:layout_marginTop="12dp"
            android:layout_marginRight="5dp"
            android:layout_marginBottom="5dp"
            android:gravity="center"
            android:text="Veg"
            android:textSize="23dp" />
```

```
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal">

    <TextView
        android:id="@+id/name_veg"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginLeft="70dp"
        android:layout_marginTop="10dp"
        android:layout_marginRight="30dp"
        android:layout_marginBottom="10dp"
        android:gravity="center"
        android:textSize="16dp" />

    <TextView
        android:id="@+id/price_veg"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginLeft="30dp"
        android:layout_marginTop="10dp"
        android:layout_marginRight="30dp"
        android:layout_marginBottom="10dp"
        android:gravity="center"
        android:textSize="16dp" />

    <TextView
        android:id="@+id/quantity_veg"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginLeft="30dp"
        android:layout_marginTop="10dp"
        android:layout_marginRight="30dp"
        android:layout_marginBottom="10dp"
        android:gravity="center"
        android:textSize="16dp" />

    <TextView
        android:id="@+id/total_veg"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
```

```
        android:layout_marginLeft="50dp"
        android:layout_marginTop="10dp"
        android:layout_marginRight="30dp"
        android:layout_marginBottom="10dp"
        android:gravity="center"
        android:textSize="16dp" />

</LinearLayout>


<TextView
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginLeft="5dp"
    android:layout_marginTop="12dp"
    android:layout_marginRight="5dp"
    android:layout_marginBottom="5dp"
    android:gravity="center"
    android:text="Non-Veg"
    android:textSize="23dp" />

<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal">

    <TextView
        android:id="@+id/name_nonveg"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginLeft="70dp"
        android:layout_marginTop="10dp"
        android:layout_marginRight="30dp"
        android:layout_marginBottom="10dp"
        android:gravity="center"
        android:textSize="16dp" />

    <TextView
        android:id="@+id/price_nonveg"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginLeft="30dp"
```

```
        android:layout_marginTop="10dp"
        android:layout_marginRight="30dp"
        android:layout_marginBottom="10dp"
        android:gravity="center"
        android:textSize="16dp" />

    <TextView
        android:id="@+id/quantity_nonveg"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginLeft="30dp"
        android:layout_marginTop="10dp"
        android:layout_marginRight="30dp"
        android:layout_marginBottom="10dp"
        android:gravity="center"
        android:textSize="16dp" />

</LinearLayout>

<TextView
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginLeft="5dp"
    android:layout_marginTop="12dp"
    android:layout_marginRight="5dp"
    android:layout_marginBottom="5dp"
    android:gravity="center"
    android:text="Juices"
    android:textSize="23dp" />

<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal">

    <TextView
        android:id="@+id/name_juices"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginLeft="70dp"
        android:layout_marginTop="10dp"
        android:layout_marginRight="30dp"
```

```
        android:layout_marginBottom="10dp"
        android:gravity="center"
        android:textSize="16dp" />

    <TextView
        android:id="@+id/price_juices"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginLeft="30dp"
        android:layout_marginTop="10dp"
        android:layout_marginRight="30dp"
        android:layout_marginBottom="10dp"
        android:gravity="center"
        android:textSize="16dp" />

    <TextView
        android:id="@+id/quantity_juices"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginLeft="30dp"
        android:layout_marginTop="10dp"
        android:layout_marginRight="30dp"
        android:layout_marginBottom="10dp"
        android:gravity="center"
        android:textSize="16dp" />

</LinearLayout>

<TextView
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginLeft="5dp"
    android:layout_marginTop="12dp"
    android:layout_marginRight="5dp"
    android:layout_marginBottom="5dp"
    android:gravity="center"
    android:text="Snacks"
    android:textSize="23dp" />

<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
```

```
            android:orientation="horizontal">

            <TextView
                android:id="@+id/name_snacks"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_marginLeft="70dp"
                android:layout_marginTop="10dp"
                android:layout_marginRight="30dp"
                android:layout_marginBottom="10dp"
                android:gravity="center"
                android:textSize="16dp" />

            <TextView
                android:id="@+id/price_snacks"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_marginLeft="30dp"
                android:layout_marginTop="10dp"
                android:layout_marginRight="30dp"
                android:layout_marginBottom="10dp"
                android:gravity="center"
                android:textSize="16dp" />

            <TextView
                android:id="@+id/quantity_snacks"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_marginLeft="30dp"
                android:layout_marginTop="10dp"
                android:layout_marginRight="30dp"
                android:layout_marginBottom="10dp"
                android:gravity="center"
                android:textSize="16dp" />

        </LinearLayout>

    </LinearLayout>
  </ScrollView>
</android.support.constraint.ConstraintLayout>
```

ActivityMain.xml

```
<?xml version="1.0" encoding="utf-8"?>
<android.support.constraint.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
  xmlns:app="http://schemas.android.com/apk/res-auto"
  xmlns:tools="http://schemas.android.com/tools"
  android:layout_width="match_parent"
  android:layout_height="match_parent"
  tools:context=".MainActivity">


  <ImageView
    android:id="@+id/image"
    android:layout_width="116dp"
    android:layout_height="127dp"
    android:layout_marginStart="8dp"
    android:layout_marginLeft="8dp"
    android:layout_marginTop="8dp"
    android:layout_marginEnd="8dp"
    android:layout_marginRight="8dp"
    android:layout_marginBottom="8dp"
    app:layout_constraintBottom_toTopOf="@+id/email_name"
    app:layout_constraintEnd_toStartOf="@+id/heading"
    app:layout_constraintHorizontal_bias="0.0"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.185"
    app:srcCompat="@drawable/logo" />

  <TextView
    android:id="@+id/heading"
    android:layout_width="257dp"
    android:layout_height="128dp"
    android:layout_marginTop="8dp"
    android:layout_marginEnd="16dp"
    android:layout_marginRight="16dp"
    android:layout_marginBottom="8dp"
    android:gravity="center"
    android:text="Chaitanya Bharathi Institute of Technology"
    android:textSize="30dp"
    app:layout_constraintBottom_toTopOf="@+id/heading2"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.364" />

  <Button
```

```
    android:id="@+id/login"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="8dp"
    android:layout_marginLeft="8dp"
    android:layout_marginEnd="8dp"
    android:layout_marginRight="8dp"
    android:layout_marginBottom="28dp"
    android:gravity="center"
    android:text="Login"
    android:textSize="20dp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.498"
    app:layout_constraintStart_toStartOf="parent" />

<TextView
    android:id="@+id/email_name"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="8dp"
    android:layout_marginLeft="8dp"
    android:layout_marginTop="8dp"
    android:layout_marginEnd="8dp"
    android:layout_marginRight="8dp"
    android:layout_marginBottom="28dp"
    android:gravity="center"
    android:text="Email"
    android:textSize="15dp"
    app:layout_constraintBottom_toTopOf="@+id/email_edit"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.022"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.991" />

<EditText
    android:id="@+id/email_edit"
    android:layout_width="384dp"
    android:layout_height="wrap_content"
    android:layout_marginStart="8dp"
    android:layout_marginLeft="8dp"
    android:layout_marginEnd="8dp"
    android:layout_marginRight="8dp"
    android:layout_marginBottom="52dp"
    android:ems="10"
```

```
    android:inputType="textPersonName"
    android:hint="Name"
    app:layout_constraintBottom_toTopOf="@+id/password_name"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.727"
    app:layout_constraintStart_toStartOf="parent" />

<TextView
    android:id="@+id/password_name"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="8dp"
    android:layout_marginLeft="8dp"
    android:layout_marginEnd="8dp"
    android:layout_marginRight="8dp"
    android:layout_marginBottom="36dp"
    android:text="Password"
    android:gravity="center"
    android:textSize="15dp"
    app:layout_constraintBottom_toTopOf="@+id/password_edit"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.0"
    app:layout_constraintStart_toStartOf="parent" />

<EditText
    android:id="@+id/password_edit"
    android:layout_width="384dp"
    android:layout_height="45dp"
    android:layout_marginStart="8dp"
    android:layout_marginLeft="8dp"
    android:layout_marginEnd="8dp"
    android:layout_marginRight="8dp"
    android:layout_marginBottom="28dp"
    android:ems="10"
    android:hint="Password"
    android:inputType="textPassword"
    app:layout_constraintBottom_toTopOf="@+id/login"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.454"
    app:layout_constraintStart_toStartOf="parent" />

<TextView
    android:id="@+id/heading2"
    android:layout_width="261dp"
    android:layout_height="56dp"
    android:layout_marginStart="8dp"
```

```
        android:layout_marginLeft="8dp"
        android:layout_marginTop="8dp"
        android:layout_marginEnd="8dp"
        android:layout_marginRight="8dp"
        android:layout_marginBottom="36dp"
        android:gravity="center"
        android:text="Canteen Management System"
        android:textSize="20dp"
        app:layout_constraintBottom_toTopOf="@+id/email_name"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.895" />

</android.support.constraint.ConstraintLayout>

<?xml version="1.0" encoding="utf-8"?>
<android.support.constraint.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".Veg">

    <ImageView
        android:id="@+id/image"
        android:layout_width="108dp"
        android:layout_height="148dp"
        android:layout_marginStart="8dp"
        android:layout_marginLeft="8dp"
        android:layout_marginTop="8dp"
        android:layout_marginEnd="8dp"
        android:layout_marginRight="8dp"
        app:layout_constraintEnd_toStartOf="@+id/heading"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:srcCompat="@drawable/logo" />

    <TextView
        android:id="@+id/heading"
        android:layout_width="259dp"
        android:layout_height="145dp"
```

```
    android:layout_marginTop="8dp"
    android:layout_marginEnd="8dp"
    android:layout_marginRight="8dp"
    android:layout_marginBottom="16dp"
    android:gravity="center"
    android:text="Chaitanya Bharathi Institute of Technology"
    android:textSize="30dp"
    app:layout_constraintBottom_toTopOf="@+id/textView2"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.0" />

<TextView
    android:id="@+id/textView2"
    android:layout_width="wrap_content"
    android:layout_height="19dp"
    android:layout_marginStart="8dp"
    android:layout_marginLeft="8dp"
    android:layout_marginTop="8dp"
    android:layout_marginEnd="8dp"
    android:layout_marginRight="8dp"
    android:layout_marginBottom="20dp"
    android:gravity="center"
    android:text="Non-Veg Menu"
    android:textSize="15dp"
    app:layout_constraintBottom_toTopOf="@+id/scrollView_menu"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="1.0" />

<ScrollView
    android:id="@+id/scrollView_menu"
    android:layout_width="121dp"
    android:layout_height="522dp"
    android:layout_marginStart="8dp"
    android:layout_marginLeft="8dp"
    android:layout_marginEnd="8dp"
    android:layout_marginRight="8dp"
    android:layout_marginBottom="8dp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toStartOf="@+id/scrollView2_menu"
```

```
app:layout_constraintStart_toStartOf="parent">

<LinearLayout
   android:layout_width="match_parent"
   android:layout_height="wrap_content"
   android:orientation="vertical">

   <TextView
      android:layout_width="match_parent"
      android:layout_height="wrap_content"
      android:paddingLeft="10dp"
      android:text="Menu"
      android:textSize="15dp" />

   <TextView
      android:id="@+id/veg_button"
      android:layout_width="match_parent"
      android:layout_height="wrap_content"
      android:gravity="center"
      android:paddingTop="10dp"
      android:text="Veg"
      android:textSize="15dp" />

   <TextView
      android:layout_width="match_parent"
      android:layout_height="wrap_content"
      android:gravity="center"
      android:paddingTop="10dp"
      android:text="Non-Veg"
      android:id="@+id/nonveg_button"
      android:textSize="15dp" />

   <TextView
      android:layout_width="match_parent"
      android:layout_height="wrap_content"
      android:gravity="center"
      android:paddingTop="10dp"
      android:text="Snacks"
      android:id="@+id/snacks_button"
      android:textSize="15dp" />

   <TextView
```

```
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:gravity="center"
            android:paddingTop="10dp"
            android:text="Juices"
            android:id="@+id/juices_button"
            android:textSize="15dp" />


    </LinearLayout>

</ScrollView>

<ScrollView
    android:id="@+id/scrollView2_menu"
    android:layout_width="266dp"
    android:layout_height="522dp"
    android:layout_marginStart="8dp"
    android:layout_marginLeft="8dp"
    android:layout_marginEnd="8dp"
    android:layout_marginRight="8dp"
    android:layout_marginBottom="8dp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="1.0"
    app:layout_constraintStart_toStartOf="parent">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="vertical">

        <android.support.v7.widget.CardView
            android:layout_width="255dp"
            android:layout_height="83dp"
            tools:layout_editor_absoluteX="146dp"
            tools:layout_editor_absoluteY="213dp"
            android:layout_marginLeft="5dp"
            android:layout_marginRight="5dp"
            android:layout_marginTop="5dp"
            android:layout_marginBottom="5dp">
```

```
    <ImageView
        android:id="@+id/image_chicken"
        android:layout_width="72dp"
        android:layout_height="match_parent"
        app:srcCompat="@drawable/fry" />

    <TextView
        android:id="@+id/chicken_fry_text"
        android:layout_width="84dp"
        android:layout_height="wrap_content"
        android:gravity="center"
        android:text="Chicken Fry"
        android:textSize="16dp"
        android:layout_marginLeft="75dp"
        />

    <TextView
        android:id="@+id/chicken_fry_price"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="60 Rs"
        android:textSize="18dp"
        android:layout_marginTop="30dp"
        android:layout_marginLeft="90dp"
        />

    <ImageView
        android:id="@+id/chicken_fry_shopping"
        android:layout_width="71dp"
        android:layout_height="49dp"
        android:layout_marginLeft="180dp"
        android:layout_marginTop="10dp"
        android:src="@drawable/shopping" />

</android.support.v7.widget.CardView>


<android.support.v7.widget.CardView
    android:layout_width="255dp"
    android:layout_height="83dp"
    tools:layout_editor_absoluteX="146dp"
    tools:layout_editor_absoluteY="213dp"
```

```
    android:layout_marginLeft="5dp"
    android:layout_marginRight="5dp"
    android:layout_marginTop="5dp"
    android:layout_marginBottom="5dp">


    <ImageView
        android:id="@+id/image_mutton"
        android:layout_width="72dp"
        android:layout_height="match_parent"
        app:srcCompat="@drawable/mutton" />

    <TextView
        android:id="@+id/mutton_fry_text"
        android:layout_width="84dp"
        android:layout_height="wrap_content"
        android:gravity="center"
        android:text="Mutton Fry"
        android:textSize="16dp"
        android:layout_marginLeft="75dp"
        />

    <TextView
        android:id="@+id/mutton_fry_price"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="70 Rs"
        android:textSize="18dp"
        android:layout_marginTop="30dp"
        android:layout_marginLeft="90dp"
        />

    <ImageView
        android:id="@+id/mutton_fry_shopping"
        android:layout_width="71dp"
        android:layout_height="49dp"
        android:layout_marginLeft="180dp"
        android:layout_marginTop="10dp"
        android:src="@drawable/shopping" />

</android.support.v7.widget.CardView>
```

```
<android.support.v7.widget.CardView
    android:layout_width="255dp"
    android:layout_height="83dp"
    tools:layout_editor_absoluteX="146dp"
    tools:layout_editor_absoluteY="213dp"
    android:layout_marginLeft="5dp"
    android:layout_marginRight="5dp"
    android:layout_marginTop="5dp"
    android:layout_marginBottom="5dp">


    <ImageView
        android:id="@+id/image_biryani"
        android:layout_width="72dp"
        android:layout_height="match_parent"
        app:srcCompat="@drawable/biryani" />

    <TextView
        android:id="@+id/biryani_text"
        android:layout_width="84dp"
        android:layout_height="wrap_content"
        android:gravity="center"
        android:text="Chicken Biryani"
        android:textSize="15dp"
        android:layout_marginLeft="75dp"
        />

    <TextView
        android:id="@+id/biryani_price"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="90 Rs"
        android:textSize="17dp"
        android:layout_marginTop="40dp"
        android:layout_marginLeft="90dp"
        />

    <ImageView
        android:id="@+id/biryani_shopping"
        android:layout_width="71dp"
        android:layout_height="49dp"
        android:layout_marginLeft="180dp"
```

```
                android:layout_marginTop="10dp"
                android:src="@drawable/shopping" />

        </android.support.v7.widget.CardView>

    </LinearLayout>

  </ScrollView>


</android.support.constraint.ConstraintLayout>

<?xml version="1.0" encoding="utf-8"?>
<android.support.constraint.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
  xmlns:app="http://schemas.android.com/apk/res-auto"
  xmlns:tools="http://schemas.android.com/tools"
  android:layout_width="match_parent"
  android:layout_height="match_parent"
  tools:context=".ShoppingCart">


  <ImageView
    android:id="@+id/image"
    android:layout_width="104dp"
    android:layout_height="139dp"
    android:layout_marginStart="8dp"
    android:layout_marginLeft="8dp"
    android:layout_marginTop="8dp"
    android:layout_marginEnd="8dp"
    android:layout_marginRight="8dp"
    android:layout_marginBottom="8dp"
    app:layout_constraintBottom_toTopOf="@+id/scrollView2"
    app:layout_constraintEnd_toStartOf="@+id/heading"
    app:layout_constraintHorizontal_bias="0.533"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.0"
    app:srcCompat="@drawable/logo" />

  <TextView
    android:id="@+id/heading"
```

```
    android:layout_width="268dp"
    android:layout_height="139dp"
    android:layout_marginStart="8dp"
    android:layout_marginLeft="8dp"
    android:layout_marginTop="8dp"
    android:layout_marginEnd="8dp"
    android:layout_marginRight="8dp"
    android:layout_marginBottom="8dp"
    android:gravity="center"
    android:text="Chaitanya Bharathi Institute of Technology"
    android:textSize="25dp"
    app:layout_constraintBottom_toTopOf="@+id/scrollView2"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.937"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.0" />

<TextView
    android:id="@+id/textView"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="8dp"
    android:layout_marginLeft="8dp"
    android:layout_marginTop="8dp"
    android:layout_marginEnd="8dp"
    android:layout_marginRight="8dp"
    android:layout_marginBottom="36dp"
    android:gravity="center"
    android:text="Shopping Cart"
    android:textSize="20dp"
    app:layout_constraintBottom_toTopOf="@+id/scrollView2"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="1.0" />

<ScrollView
    android:id="@+id/scrollView2"
    android:layout_width="395dp"
    android:layout_height="465dp"
    android:layout_marginStart="8dp"
```

```
android:layout_marginLeft="8dp"
android:layout_marginTop="228dp"
android:layout_marginEnd="8dp"
android:layout_marginRight="8dp"
android:layout_marginBottom="8dp"
app:layout_constraintBottom_toTopOf="@+id/confirm"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="1.0"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent">

<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="vertical">

    <android.support.v7.widget.CardView
        android:id="@+id/item1"
        android:layout_width="380dp"
        android:layout_height="115dp"
        android:layout_marginLeft="10dp"
        android:layout_marginTop="10dp"
        android:layout_marginRight="10dp"
        android:layout_marginBottom="10dp"
        tools:layout_editor_absoluteX="16dp"
        tools:layout_editor_absoluteY="225dp">

        <ImageView
            android:id="@+id/image_item1"
            android:layout_width="105dp"
            android:layout_height="match_parent" />

        <TextView
            android:id="@+id/name_item1"
            android:layout_width="84dp"
            android:layout_height="wrap_content"
            android:layout_marginLeft="150dp"
            android:layout_marginTop="20dp"
            android:gravity="center"
            android:text=""
            android:textSize="16dp" />
```

```
    <TextView
        android:id="@+id/price_item1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginLeft="153dp"
        android:layout_marginTop="50dp"
        android:text=""
        android:textSize="18dp" />

    <Spinner
        android:id="@+id/quantity_item1"
        android:layout_width="97dp"
        android:layout_height="wrap_content"
        android:layout_marginLeft="255dp"
        android:layout_marginTop="40dp" />


</android.support.v7.widget.CardView>

<android.support.v7.widget.CardView
    android:id="@+id/item2"
    android:layout_width="380dp"
    android:layout_height="115dp"
    android:layout_marginLeft="10dp"
    android:layout_marginTop="10dp"
    android:layout_marginRight="10dp"
    android:layout_marginBottom="10dp"
    tools:layout_editor_absoluteX="16dp"
    tools:layout_editor_absoluteY="225dp">

    <ImageView
        android:id="@+id/image_item2"
        android:layout_width="105dp"
        android:layout_height="match_parent" />

    <TextView
        android:id="@+id/name_item2"
        android:layout_width="84dp"
        android:layout_height="wrap_content"
        android:layout_marginLeft="150dp"
        android:layout_marginTop="20dp"
        android:gravity="center"
```

```
        android:text=""
        android:textSize="16dp" />

    <TextView
        android:id="@+id/price_item2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginLeft="153dp"
        android:layout_marginTop="50dp"
        android:text=""
        android:textSize="18dp" />

    <Spinner
        android:id="@+id/quantity_item2"
        android:layout_width="97dp"
        android:layout_height="wrap_content"
        android:layout_marginLeft="255dp"
        android:layout_marginTop="40dp" />

</android.support.v7.widget.CardView>

<android.support.v7.widget.CardView
    android:id="@+id/item3"
    android:layout_width="380dp"
    android:layout_height="115dp"
    android:layout_marginLeft="10dp"
    android:layout_marginTop="10dp"
    android:layout_marginRight="10dp"
    android:layout_marginBottom="10dp"
    tools:layout_editor_absoluteX="16dp"
    tools:layout_editor_absoluteY="225dp">

    <ImageView
        android:id="@+id/image_item3"
        android:layout_width="105dp"
        android:layout_height="match_parent" />

    <TextView
        android:id="@+id/name_item3"
        android:layout_width="84dp"
        android:layout_height="wrap_content"
        android:layout_marginLeft="150dp"
```

```
            android:layout_marginTop="20dp"
            android:gravity="center"
            android:text=""
            android:textSize="16dp" />

        <TextView
            android:id="@+id/price_item3"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginLeft="153dp"
            android:layout_marginTop="50dp"
            android:text=""
            android:textSize="18dp" />

        <Spinner
            android:id="@+id/quantity_item3"
            android:layout_width="97dp"
            android:layout_height="wrap_content"
            android:layout_marginLeft="255dp"
            android:layout_marginTop="40dp" />

    </android.support.v7.widget.CardView>

  </LinearLayout>

</ScrollView>

<Button
  android:id="@+id/confirm"
  android:layout_width="99dp"
  android:layout_height="50dp"
  android:layout_marginStart="8dp"
  android:layout_marginLeft="8dp"
  android:layout_marginEnd="8dp"
  android:layout_marginRight="8dp"
  android:layout_marginBottom="36dp"
  android:gravity="center"
  android:text="Confirm"
  android:textSize="13dp"
  app:layout_constraintBottom_toBottomOf="parent"
  app:layout_constraintEnd_toEndOf="parent"
  app:layout_constraintStart_toStartOf="parent" />
```

```
</android.support.constraint.ConstraintLayout>

<?xml version="1.0" encoding="utf-8"?>
<android.support.constraint.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
  xmlns:app="http://schemas.android.com/apk/res-auto"
  xmlns:tools="http://schemas.android.com/tools"
  android:layout_width="match_parent"
  android:layout_height="match_parent"
  tools:context=".Veg">

  <ImageView
    android:id="@+id/image"
    android:layout_width="108dp"
    android:layout_height="148dp"
    android:layout_marginStart="8dp"
    android:layout_marginLeft="8dp"
    android:layout_marginTop="8dp"
    android:layout_marginEnd="8dp"
    android:layout_marginRight="8dp"
    app:layout_constraintEnd_toStartOf="@+id/heading"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:srcCompat="@drawable/logo" />

  <TextView
    android:id="@+id/heading"
    android:layout_width="259dp"
    android:layout_height="145dp"
    android:layout_marginTop="8dp"
    android:layout_marginEnd="8dp"
    android:layout_marginRight="8dp"
    android:layout_marginBottom="8dp"
    android:gravity="center"
    android:text="Chaitanya Bharathi Institute of Technology"
    android:textSize="30dp"
    app:layout_constraintBottom_toBottomOf="@+id/image"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.0" />
```

```
<TextView
    android:id="@+id/textView2"
    android:layout_width="wrap_content"
    android:layout_height="21dp"
    android:layout_marginStart="8dp"
    android:layout_marginLeft="8dp"
    android:layout_marginTop="60dp"
    android:layout_marginEnd="8dp"
    android:layout_marginRight="8dp"
    android:layout_marginBottom="8dp"
    android:gravity="center"
    android:text="Veg Menu"
    android:textSize="15dp"
    app:layout_constraintBottom_toTopOf="@+id/scrollView_menu"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.498"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/heading"
    app:layout_constraintVertical_bias="1.0" />

<ScrollView
    android:id="@+id/scrollView_menu"
    android:layout_width="121dp"
    android:layout_height="522dp"
    android:layout_marginStart="8dp"
    android:layout_marginLeft="8dp"
    android:layout_marginTop="8dp"
    android:layout_marginEnd="8dp"
    android:layout_marginRight="8dp"
    android:layout_marginBottom="8dp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toStartOf="@+id/scrollView2_menu"
    app:layout_constraintHorizontal_bias="0.0"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/image"
    app:layout_constraintVertical_bias="1.0">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="vertical">
```

```
<TextView
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:paddingLeft="10dp"
    android:text="Menu"
    android:textSize="15dp" />

<TextView
    android:id="@+id/veg_button"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:gravity="center"
    android:paddingTop="10dp"
    android:text="Veg"
    android:textSize="15dp" />

<TextView
    android:id="@+id/nonveg_button"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:gravity="center"
    android:paddingTop="10dp"
    android:text="Non-Veg"
    android:textSize="15dp" />

<TextView
    android:id="@+id/snacks_button"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:gravity="center"
    android:paddingTop="10dp"
    android:text="Snacks"
    android:textSize="15dp" />

<TextView
    android:id="@+id/juices_button"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:gravity="center"
    android:paddingTop="10dp"
    android:text="Juices"
    android:textSize="15dp" />
```

```
    </LinearLayout>

</ScrollView>

<ScrollView
    android:id="@+id/scrollView2_menu"
    android:layout_width="266dp"
    android:layout_height="522dp"
    android:layout_marginStart="8dp"
    android:layout_marginLeft="8dp"
    android:layout_marginTop="8dp"
    android:layout_marginEnd="8dp"
    android:layout_marginRight="8dp"
    android:layout_marginBottom="8dp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="1.0"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView2"
    app:layout_constraintVertical_bias="1.0">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="vertical">

        <android.support.v7.widget.CardView
            android:layout_width="255dp"
            android:layout_height="83dp"
            android:layout_marginLeft="5dp"
            android:layout_marginTop="5dp"
            android:layout_marginRight="5dp"
            android:layout_marginBottom="5dp"
            tools:layout_editor_absoluteX="146dp"
            tools:layout_editor_absoluteY="213dp">

            <ImageButton
                android:id="@+id/dosa_image"
                android:layout_width="72dp"
                android:layout_height="match_parent"
```

```
        app:srcCompat="@drawable/dosa" />

    <TextView
        android:id="@+id/dosa_text"
        android:layout_width="84dp"
        android:layout_height="wrap_content"
        android:layout_marginLeft="75dp"
        android:gravity="center"
        android:text="Dosa"
        android:textSize="23dp" />

    <TextView
        android:id="@+id/dosa_price"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginLeft="90dp"
        android:layout_marginTop="30dp"
        android:text="40 Rs"
        android:textSize="23dp" />

    <ImageView
        android:id="@+id/dosa_shopping"
        android:layout_width="71dp"
        android:layout_height="49dp"
        android:layout_marginLeft="180dp"
        android:layout_marginTop="10dp"
        android:src="@drawable/shopping" />

</android.support.v7.widget.CardView>


<android.support.v7.widget.CardView
    android:layout_width="255dp"
    android:layout_height="83dp"
    android:layout_marginLeft="5dp"
    android:layout_marginTop="5dp"
    android:layout_marginRight="5dp"
    android:layout_marginBottom="5dp"
    tools:layout_editor_absoluteX="146dp"
    tools:layout_editor_absoluteY="213dp">
```

```
    <ImageButton
        android:id="@+id/idli_image"
        android:layout_width="72dp"
        android:layout_height="match_parent"
        app:srcCompat="@drawable/idli" />

    <TextView
        android:id="@+id/idli_text"
        android:layout_width="84dp"
        android:layout_height="wrap_content"
        android:layout_marginLeft="75dp"
        android:gravity="center"
        android:text="Idli"
        android:textSize="23dp" />

    <TextView
        android:id="@+id/idli_price"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginLeft="90dp"
        android:layout_marginTop="30dp"
        android:text="20 Rs"
        android:textSize="23dp" />

    <ImageView
        android:id="@+id/idli_shopping"
        android:layout_width="71dp"
        android:layout_height="49dp"
        android:layout_marginLeft="180dp"
        android:layout_marginTop="10dp"
        android:src="@drawable/shopping" />

</android.support.v7.widget.CardView>

<android.support.v7.widget.CardView
    android:layout_width="255dp"
    android:layout_height="83dp"
    android:layout_marginLeft="5dp"
    android:layout_marginTop="5dp"
    android:layout_marginRight="5dp"
    android:layout_marginBottom="5dp"
    tools:layout_editor_absoluteX="146dp"
```

```
        tools:layout_editor_absoluteY="213dp">

        <ImageButton
            android:id="@+id/puri_image"
            android:layout_width="72dp"
            android:layout_height="match_parent"
            app:srcCompat="@drawable/puri" />

        <TextView
            android:id="@+id/puri_text"
            android:layout_width="84dp"
            android:layout_height="wrap_content"
            android:layout_marginLeft="75dp"
            android:gravity="center"
            android:text="Puri"
            android:textSize="23dp" />

        <TextView
            android:id="@+id/puri_price"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginLeft="90dp"
            android:layout_marginTop="30dp"
            android:text="30 Rs"
            android:textSize="23dp" />

        <ImageView
            android:id="@+id/puri_shopping"
            android:layout_width="71dp"
            android:layout_height="49dp"
            android:layout_marginLeft="180dp"
            android:layout_marginTop="10dp"
            android:src="@drawable/shopping" />

    </android.support.v7.widget.CardView>


  </LinearLayout>

</ScrollView>
```

```
</android.support.constraint.ConstraintLayout>
```

```
package com.example.cashier;

import android.content.Intent;
import android.database.sqlite.SQLiteOpenHelper;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.util.Log;
import android.util.Patterns;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

  public String email;
  public String password;

  EditText email_text;
  EditText password_text;
  Button login;

  public boolean check_valid;

  database retrieve;

  @Override
  protected void onCreate(Bundle savedInstanceState) {
     super.onCreate(savedInstanceState);
     setContentView(R.layout.activity_main);

     //access the views in the application
     email_text= findViewById(R.id.email_edit);
     password_text= findViewById(R.id.password_edit);
     login= findViewById(R.id.login);
```

```
    email=email_text.getText().toString().trim();
    password=password_text.getText().toString().trim();

    retrieve=new database(this);

    login.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {

            if (!retrieve.checkUser(email, password)) {
                Intent activity_intent = new Intent(getApplicationContext(), Veg.class);
                startActivity(activity_intent);
            } else {
                Toast.makeText(getApplicationContext(), "Invalid Email or Password",
Toast.LENGTH_SHORT).show();
            }
        }
    });
  }

  /*public boolean validate(){
    boolean valid = false;

    if(email.isEmpty()){
        valid=false;
        email_text.setError("Please enter the email");
    }
    else {
        valid=true;
    }

    if(password.isEmpty()){
        valid=false;
        password_text.setError("Please enter the password");
    }
    else {
        valid=true;
    }

    return valid;
  }*/
```

```
package com.example.cashier;

import android.content.Intent;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.TextView;

public class Confirm extends AppCompatActivity {

   database db;
   retreive sv;

   public Integer ordernumber;
   public String veg;
   public Integer vegquantity;
   public Integer vegprice;
   public Integer totalprice;

   TextView order_number;

   TextView name_veg;
   TextView price_veg;
   TextView quantity_veg;
   TextView total_veg;

   TextView name_nonveg;
   TextView price_nonveg;
   TextView quantity_nonveg;

   TextView name_juices;
   TextView price_juices;
   TextView quantity_juices;

   Button home_button;

   @Override
   protected void onCreate(Bundle savedInstanceState) {
      super.onCreate(savedInstanceState);
      setContentView(R.layout.activity_confirm);
```

```
//initialize the database
db=new database(this);
db.showOrder();

sv=new retreive();
ordernumber=sv.getorderid();
veg=sv.getitemname();
vegquantity=sv.getitemquantity();
vegprice=sv.getitemprice();
totalprice=sv.gettotalprice();

order_number=(TextView)findViewById(R.id.order_number);

//initialize the avtivities in the views
name_veg=(TextView)findViewById(R.id.name_veg);
price_veg=(TextView)findViewById(R.id.price_veg);
quantity_veg=(TextView)findViewById(R.id.quantity_veg);
total_veg=(TextView)findViewById(R.id.total_veg);

name_nonveg=(TextView)findViewById(R.id.name_nonveg);
price_nonveg=(TextView)findViewById(R.id.price_nonveg);
quantity_nonveg=(TextView)findViewById(R.id.quantity_nonveg);

name_juices=(TextView)findViewById(R.id.name_juices);
price_juices=(TextView)findViewById(R.id.price_juices);
quantity_juices=(TextView)findViewById(R.id.quantity_juices);

home_button=(Button)findViewById(R.id.home_button);

order_number.setText(Integer.toString(ordernumber));
name_veg.setText(veg);
price_veg.setText(Integer.toString(vegprice));
quantity_veg.setText(Integer.toString(vegquantity));
total_veg.setText(Integer.toString(totalprice));

home_button.setOnClickListener(new View.OnClickListener() {
   @Override
   public void onClick(View v) {
      Intent intent_check=new Intent(Confirm.this,Veg.class);
      startActivity(intent_check);
   }
});
```

```
  }
}
```

```
package com.example.cashier;

import android.content.ContentValues;
import android.content.Context;
import android.database.Cursor;
import android.database.sqlite.SQLiteDatabase;
import android.database.sqlite.SQLiteOpenHelper;

import java.util.List;

public class database extends SQLiteOpenHelper {

  public final static String DATABASE_NAME="canteen.db";
  public final static int DATABASE_VERSION=3;

  public final static String DATABASE_CASHIER_USER_TABLE="Cashier";

  public final static String COLUMN_ID_USER="ID";
  public final static String COLUMN_NAME_USER="NAME";
  public final static String COLUMN_USERNAME_USER="USERNAME";
  public final static String COLUMN_EMAIL_USER="EMAIL";
  public final static String COLUMN_PASSWORD_USER="PASSWORD";

      public static final String CREATE_TABLE=" CREATE TABLE "+
DATABASE_CASHIER_USER_TABLE + " (" + COLUMN_ID_USER + " INTEGER
PRIMARY KEY AUTOINCREMENT, " + COLUMN_NAME_USER + " TEXT NOT
NULL, " +
          COLUMN_USERNAME_USER + " TEXT NOT NULL UNIQUE, " +
COLUMN_EMAIL_USER + " TEXT NOT NULL UNIQUE, " +
COLUMN_PASSWORD_USER + " TEXT NOT NULL UNIQUE" +" ) ";

  public final static String TABLE_ORDER="cashierorder";

  public final static String COLUMN_ID_ORDER="ID";
  public final static String COLUMN_ITEM_NAME_ORDER="NAME";
  public final static String COLUMN_ITEM_QUANTTIY_ORDER="QUANTITY";
  public final static String COLUMN_ITEM_PRICE="PRICE";
  public final static String COLUMN_ITEM_ORDER_NAME="NAMEUSER";
```

```
  public final static String COLUMN_ITEM_TOTALPRICE="TOTALPRICE";

   public final static String CREATE_TABLE_ORDER_CASHIER="CREATE TABLE "
+ TABLE_ORDER + "(" + COLUMN_ID_ORDER + " INTEGER PRIMARY KEY
AUTOINCREMENT, " + COLUMN_ITEM_NAME_ORDER + " TEXT, " +
                        COLUMN_ITEM_QUANTTIY_ORDER + " INETGER, " +
COLUMN_ITEM_PRICE + " INTEGER, " + COLUMN_ITEM_ORDER_NAME + "
TEXT, " + COLUMN_ITEM_TOTALPRICE + " INTEGER " + ")";

  public database(Context context){
     super(context,DATABASE_NAME,null,DATABASE_VERSION);
  }


  @Override
  public void onCreate(SQLiteDatabase db) {
     db.execSQL(CREATE_TABLE);
     db.execSQL(CREATE_TABLE_ORDER_CASHIER);
  }

  @Override
  public void onUpgrade(SQLiteDatabase db, int oldVersion, int newVersion) {
                          db.execSQL("DROP TABLE IF EXISTS " +
DATABASE_CASHIER_USER_TABLE);
     db.execSQL("DROP TABLE IF EXISTS " + TABLE_ORDER);
     onCreate(db);
  }

  /*public void addUser(){
     SQLiteDatabase db=this.getWritableDatabase();

     ContentValues values=new ContentValues();
     values.put();
     values.put();
     values.put();
     values.put();

     db.insert();
     db.close();
  }*/

  public void addOrder(shoppingvalues sv){
```

```
    SQLiteDatabase db=this.getWritableDatabase();

    ContentValues values=new ContentValues();
    values.put(COLUMN_ITEM_NAME_ORDER,sv.item1_veg_name);
    values.put(COLUMN_ITEM_QUANTTIY_ORDER,sv.item1_veg_quantity);
    values.put(COLUMN_ITEM_PRICE,sv.item1_veg_price);
    values.put(COLUMN_ITEM_TOTALPRICE,sv.price_total);

    db.insert(TABLE_ORDER,null,values);
    db.close();

  }

  public boolean checkUser(String email, String password) {
    String[] columns ={
          COLUMN_ID_USER
    };

    SQLiteDatabase db=this.getReadableDatabase();
            String selection =COLUMN_EMAIL_USER + "=?" + " AND " +
COLUMN_PASSWORD_USER + "=?";
    String[] selectionargs= { email,password };

        Cursor cursor = db.query(DATABASE_CASHIER_USER_TABLE,columns,
selection, selectionargs, null, null, null);
    int cursorcount= cursor.getCount();

    cursor.close();
    db.close();

    if(cursorcount>0){
      return true;
    }

    return false;
  }

  public void showOrder(){
    SQLiteDatabase db=this.getReadableDatabase();
    retreive sv=new retreive();
```

```
        Cursor cursor=db.rawQuery("SELECT * FROM CASHIERORDER ORDER BY
ID DESC LIMIT 1",null);
      if(cursor.moveToLast()){
          do{

sv.setorderid(Integer.parseInt(cursor.getString(cursor.getColumnIndex(COLUMN_ID
_ORDER))));

sv.setitemname(cursor.getString(cursor.getColumnIndex(COLUMN_ITEM_NAME_O
RDER)));

sv.setitemquantity(Integer.parseInt(cursor.getString(cursor.getColumnIndex(COLUM
N_ITEM_QUANTTIY_ORDER))));

sv.setitemprice(Integer.parseInt(cursor.getString(cursor.getColumnIndex(COLUMN_I
TEM_PRICE))));

sv.settotalprice(Integer.parseInt(cursor.getString(cursor.getColumnIndex(COLUMN_I
TEM_TOTALPRICE))));
          }while(cursor.moveToPrevious());

          cursor.close();
          db.close();
      }
   }
}
```

```
package com.example.cashier;

import android.content.Intent;
import android.graphics.Bitmap;
import android.media.Image;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.ImageView;
import android.widget.TextView;

import org.w3c.dom.Text;

public class NonVeg extends AppCompatActivity {
```

```
ImageView chicken_fry;
ImageView mutton_fry;
ImageView chicken_biryani;

ImageView chicken_fry_button;
ImageView mutton_fry_button;
ImageView chicken_biryani_button;

TextView veg;
TextView nonveg;
TextView snacks;
TextView juices;

@Override
protected void onCreate(Bundle savedInstanceState) {
   super.onCreate(savedInstanceState);
   setContentView(R.layout.activity_non_veg);

   //set the views in the activity
   chicken_fry=(ImageView)findViewById(R.id.image_chicken);
   mutton_fry=(ImageView)findViewById(R.id.image_mutton);
   chicken_biryani=(ImageView)findViewById(R.id.image_biryani);

   chicken_fry_button=(ImageView)findViewById(R.id.chicken_fry_shopping);
   mutton_fry_button=(ImageView)findViewById(R.id.mutton_fry_shopping);
   chicken_biryani_button=(ImageView)findViewById(R.id.biryani_shopping);

   veg=(TextView)findViewById(R.id.veg_button);
   nonveg=(TextView)findViewById(R.id.nonveg_button);
   snacks=(TextView)findViewById(R.id.snacks_button);
   juices=(TextView)findViewById(R.id.juices_button);

   chicken_fry_button.setOnClickListener(new View.OnClickListener() {
      @Override
      public void onClick(View v) {
         chicken_fry.buildDrawingCache();
         Bitmap bitmap=chicken_fry.getDrawingCache();

         Intent chicken_fry_intent=new Intent(NonVeg.this,ShoppingCart.class);
         Bundle bundle_chicken_fry=new Bundle();
         bundle_chicken_fry.putString("Item Name","Chicken Fry");
         bundle_chicken_fry.putInt("Item Price",60);
```

```
        chicken_fry_intent.putExtra("Item Image",bitmap);
        chicken_fry_intent.putExtras(bundle_chicken_fry);
        startActivity(chicken_fry_intent);
    }
});

mutton_fry_button.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        mutton_fry.buildDrawingCache();
        Bitmap bitmap=mutton_fry.getDrawingCache();

        Intent mutton_fry_intent=new Intent(NonVeg.this,ShoppingCart.class);
        Bundle mutton_fry_bundle=new Bundle();
        mutton_fry_bundle.putString("Item Name","Mutton Fry");
        mutton_fry_bundle.putInt("Item Price",70);
        mutton_fry_intent.putExtra("Item Image",bitmap);
        mutton_fry_intent.putExtras(mutton_fry_bundle);
        startActivity(mutton_fry_intent);
    }
});

chicken_biryani_button.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        chicken_biryani.buildDrawingCache();
        Bitmap bitmap=chicken_biryani.getDrawingCache();

        Intent chicken_biryani_intent=new Intent(NonVeg.this,ShoppingCart.class);
        Bundle chicken_biryani_bundle=new Bundle();
        chicken_biryani_bundle.putString("Item Name","Chicken Biryani");
        chicken_biryani_bundle.putInt("Item Price",90);
        chicken_biryani_intent.putExtra("Item Image",bitmap);
        chicken_biryani_intent.putExtras(chicken_biryani_bundle);
        startActivity(chicken_biryani_intent);
    }
});

veg.setOnClickListener(new View.OnClickListener(){
    @Override
    public void onClick(View v) {
        Intent veg_intent=new Intent(NonVeg.this,Veg.class);
```

```
            startActivity(veg_intent);
        }
    });


    nonveg.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            Intent nonveg_intent=new Intent(NonVeg.this,NonVeg.class);
            startActivity(nonveg_intent);
        }
    });


    snacks.setOnClickListener(new View.OnClickListener(){
        @Override
        public void onClick(View v) {
            //Intent snacks_intent=new Intent(Veg.this,snacks.class);
            //startActivity(snacks_intent);
        }
    });


    juices.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            //Intent juices_intent=new Intent(Veg.this,juices.class);
            //startActivity(juices_intent);
        }
    });
  }

package com.example.cashier;

public class retreive {
   public static String item_name;
   public static Integer item_quantity;
   public static Integer item_price;
   public static Integer total_price;
   public String user_email;
   public static Integer order_id;
```

```
    public void setorderid(Integer orderid){
        this.order_id=orderid;
    }

    public int getorderid(){
        return order_id;
    }

    public void setitemname(String itemname){
        this.item_name=itemname;
    }

    public String getitemname(){
        return item_name;
    }

    public void setitemquantity(Integer itemquantity){
        this.item_quantity=itemquantity;
    }

    public int getitemquantity(){
        return item_quantity;
    }

    public void setitemprice(Integer itemprice){
        this.item_price=itemprice;
    }

    public int getitemprice(){
        return item_price;
    }

    public void settotalprice(Integer totalprice){
        this.total_price=totalprice;
    }

    public int gettotalprice(){
        return total_price;
    }
}

package com.example.cashier;
```

```
import android.content.Intent;
import android.graphics.Bitmap;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.AdapterView;
import android.widget.ArrayAdapter;
import android.widget.Button;
import android.widget.ImageView;
import android.widget.Spinner;
import android.widget.TextView;

import org.w3c.dom.Text;

public class ShoppingCart extends AppCompatActivity implements
AdapterView.OnItemSelectedListener {

   ImageView image_item1;
   ImageView image_item2;
   ImageView image_item3;
   ImageView image_item4;

   TextView name_item1;
   TextView name_item2;
   TextView name_item3;
   TextView name_item4;

   TextView price_item1;
   TextView price_item2;
   TextView price_item3;
   TextView price_item4;

   Spinner quantity_item1;
   Spinner quantity_item2;
   Spinner quantity_item3;
   Spinner quantity_item4;

   Button confirm;

   Integer[] item1={1,2,3,4,5,6,7,8,9,10};
   Integer[] item2={1,2,3,4,5,6,7,8,9,10};
```

```
  Integer[] item3={1,2,3,4,5,6,7,8,9,10};
  Integer[] item4={1,2,3,4,5,6,7,8,9,10};
  public int quantity1;
  public int quantity2;
  public int quantity3;

  public String item1_veg_name;
  public int item1_veg_price;

  public String item2_nonveg_name;
  public int item2_nonveg_price;

  public int price_total;

  public database db_shopping;

  @Override
  protected void onCreate(Bundle savedInstanceState) {
     super.onCreate(savedInstanceState);
     setContentView(R.layout.activity_shopping_cart);

     //create the database in the application
     db_shopping=new database(this);

     //get the bundles and set them
     Bundle item_veg=getIntent().getExtras();
     //Bundle item_nonveg=getIntent().getExtras();
     //Bundle item_juices=getIntent().getExtras();
     //Bundle item_snacks=getIntent().getExtras();

     Bitmap bitmap_veg=(Bitmap) getIntent().getParcelableExtra("Item Image");
     item1_veg_name=item_veg.getString("Item Name");
     item1_veg_price=item_veg.getInt("Item Price");

       //Bitmap bitmap_nonveg=(Bitmap) getIntent().getParcelableExtra("Item Image
nonVeg");
     //item2_nonveg_name=item_nonveg.getString("Item Name nonVeg");
     //item2_nonveg_price=item_nonveg.getInt("Item Price nonVeg");

     image_item1=(ImageView)findViewById(R.id.image_item1);
     image_item1.setImageBitmap(bitmap_veg);
     image_item2=(ImageView)findViewById(R.id.image_item2);
```

```
        //image_item2.setImageBitmap(bitmap_nonveg);
        image_item3=(ImageView)findViewById(R.id.image_item3);

        name_item1=(TextView)findViewById(R.id.name_item1);
        name_item1.setText(item1_veg_name);
        name_item2=(TextView)findViewById(R.id.name_item2);
        //name_item2.setText(item2_nonveg_name);
        name_item3=(TextView)findViewById(R.id.name_item3);

        price_item1=(TextView)findViewById(R.id.price_item1);
        price_item1.setText(Integer.toString(item1_veg_price));
        price_item2=(TextView)findViewById(R.id.price_item2);
        //price_item2.setText(Integer.toString(item2_nonveg_price));
        price_item3=(TextView)findViewById(R.id.price_item3);

        quantity_item1=(Spinner)findViewById(R.id.quantity_item1);
        quantity_item1.setOnItemSelectedListener(this);

                                ArrayAdapter<Integer>      quantity1_dataAdapter=new
ArrayAdapter<Integer>(this,android.R.layout.simple_spinner_item,item1);

quantity1_dataAdapter.setDropDownViewResource(android.R.layout.simple_spinner
_dropdown_item);
        quantity_item1.setAdapter(quantity1_dataAdapter);

        quantity_item2=(Spinner)findViewById(R.id.quantity_item2);
        quantity_item2.setOnItemSelectedListener(this);

                                ArrayAdapter<Integer>      quantity2_dataAdapter=new
ArrayAdapter<Integer>(this,android.R.layout.simple_spinner_item,item2);

quantity2_dataAdapter.setDropDownViewResource(android.R.layout.simple_spinner
_dropdown_item);
        quantity_item2.setAdapter(quantity2_dataAdapter);

        /*quantity_item3=(Spinner)findViewById(R.id.quantity_item3);
        quantity_item3.setOnItemSelectedListener(this);

                                ArrayAdapter<Integer>      quantity3_dataAdapter=new
ArrayAdapter<Integer>(this,android.R.layout.simple_spinner_item,item3);
```

```
quantity3_dataAdapter.setDropDownViewResource(android.R.layout.simple_spinner
_dropdown_item);
      quantity_item3.setAdapter(quantity3_dataAdapter);*/

      confirm=(Button)findViewById(R.id.confirm);

      confirm.setOnClickListener(new View.OnClickListener(){
         @Override
         public void onClick(View v) {
            confirm();
         }
      });
   }

   @Override
    public void onItemSelected(AdapterView<?> parent, View view, int position, long
id) {
      quantity1=item1[position];
      quantity2=item2[position];
      //quantity3=item3[position];

   }

   @Override
   public void onNothingSelected(AdapterView<?> parent) {
   }

   public void confirm(){
      price_total=(item1_veg_price*quantity1);
                                                          db_shopping.addOrder(new
shoppingvalues(item1_veg_name,quantity1,item1_veg_price,price_total));
      Intent confirm_intent=new Intent(ShoppingCart.this,Confirm.class);
      startActivity(confirm_intent);
   }
}

package com.example.cashier;

public class shoppingvalues {

   public String item1_veg_name;
```

```
  public int item1_veg_quantity;
  public int item1_veg_price;
  public int price_total;

        public shoppingvalues(String item1_veg_name,int item1_veg_quantity,int
item1_veg_price,int price_total){
      this.item1_veg_name=item1_veg_name;
      this.item1_veg_quantity=item1_veg_quantity;
      this.item1_veg_price=item1_veg_price;
      this.price_total=price_total;
  }

}

package com.example.cashier;

import android.content.Intent;
import android.graphics.Bitmap;
import android.media.Image;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.ImageView;
import android.widget.TextView;

import org.w3c.dom.Text;

public class Veg extends AppCompatActivity {

  TextView veg;
  TextView non_veg;
  TextView snacks;
  TextView juices;

  ImageView image_idli;
  TextView idli_text;
  TextView dosa_text;

  ImageView idli_button;
  ImageView dosa_button;

  ImageView dosa_image;
```

```
TextView idli_price;
TextView dosa_price;

@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_veg);

    //initializing the textviews for buttons
    veg=(TextView)findViewById(R.id.veg_button);
    non_veg=(TextView)findViewById(R.id.nonveg_button);
    snacks=(TextView)findViewById(R.id.snacks_button);
    juices=(TextView)findViewById(R.id.juices_button);

    image_idli=(ImageView)findViewById(R.id.idli_image);
    idli_text=(TextView)findViewById(R.id.idli_text);
    idli_price=(TextView)findViewById(R.id.idli_price);

    dosa_image=(ImageView)findViewById(R.id.dosa_image);
    dosa_text=(TextView)findViewById(R.id.dosa_text);
    dosa_price=(TextView)findViewById(R.id.dosa_price);

    idli_button=(ImageView)findViewById(R.id.idli_shopping);
    dosa_button=(ImageView)findViewById(R.id.dosa_shopping);

    veg.setOnClickListener(new View.OnClickListener(){
        @Override
        public void onClick(View v) {
            Intent veg_intent=new Intent(Veg.this,Veg.class);
            startActivity(veg_intent);
        }
    });


    non_veg.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            Intent nonveg_intent=new Intent(Veg.this,NonVeg.class);
            startActivity(nonveg_intent);
        }
    });
```

```
snacks.setOnClickListener(new View.OnClickListener(){
    @Override
    public void onClick(View v) {
        //Intent snacks_intent=new Intent(Veg.this,snacks.class);
        //startActivity(snacks_intent);
    }
});


juices.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        //Intent juices_intent=new Intent(Veg.this,juices.class);
        //startActivity(juices_intent);
    }
});

idli_button.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        image_idli.buildDrawingCache();
        Bitmap bitmap=image_idli.getDrawingCache();

        Intent idli_intent=new Intent(Veg.this,ShoppingCart.class);
        Bundle idli_bundle=new Bundle();
        idli_bundle.putString("Item Name","Idli");
        idli_bundle.putInt("Item Price",20);
        idli_intent.putExtra("Item Image",bitmap);
        idli_intent.putExtras(idli_bundle);
        startActivity(idli_intent);
    }
});

dosa_button.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        dosa_image.buildDrawingCache();
        Bitmap bitmap=dosa_image.getDrawingCache();

        Intent dosa_intent=new Intent(Veg.this,ShoppingCart.class);
        Bundle dosa_bundle=new Bundle();
```

```
            dosa_bundle.putString("Item Name","Dosa");
            dosa_bundle.putInt("Item Price",40);
            dosa_intent.putExtra("Item Image",bitmap);
            dosa_intent.putExtras(dosa_bundle);
            startActivity(dosa_intent);
        }
    });
  }
}
```

```
package com.example.onlineuser;

public class insert {
  public String itemname;
  public int itemquantity;
  public int itemprice;
  public int totalprice;

  public insert(String itemname,int itemquantity,int itemprice,int totalprice){
    this.itemname=itemname;
    this.itemquantity=itemquantity;
    this.itemprice=itemprice;
    this.totalprice=totalprice;
  }
```

```
package com.example.onlineuser;

import android.content.Intent;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.TextView;

public class confirm extends AppCompatActivity {

  public Integer id_order;
  public String name_item;
  public Integer price_item;
  public Integer quantity_item;
  public Integer price_total;
```

```
TextView orderid;
TextView itemname;
TextView itemquantity;
TextView itemprice;
TextView totalprice;

Button home;

database db;
items item;
private Object items;

@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_confirm);

    db=new database(this);
    db.showorder();
    item=new items();

    orderid=(TextView)findViewById(R.id.order_number);
    itemname=(TextView)findViewById(R.id.item_name);
    itemquantity=(TextView)findViewById(R.id.item_quantity);
    itemprice=(TextView)findViewById(R.id.item_price);
    totalprice=(TextView)findViewById(R.id.total_price);

    id_order=item.getorderid();
    name_item=item.getitemname();
    quantity_item=item.getitemquantity();
    price_item=item.getitemprice();
    price_total=item.gettotalprice();

    orderid.setText(Integer.toString(id_order));
    itemname.setText(name_item);
    itemquantity.setText(Integer.toString(quantity_item));
    itemprice.setText(Integer.toString(price_item));
    totalprice.setText(Integer.toString(price_total));

    home=(Button)findViewById(R.id.home_button);
```

```
        home.setOnClickListener(new View.OnClickListener(){
            @Override
            public void onClick(View v) {
                Intent home_intent=new Intent(confirm.this,home.class);
                startActivity(home_intent);
            }
        });
    }
}

package com.example.onlineuser;

public class Userinsert {

    public String user_name;
    public String user_username;
    public String user_email;
    public String user_password;
    public String user_gender;

    public Userinsert(String name,String username,String email,String password){
        this.user_name=name;
        this.user_username=username;
        this.user_email=email;
        this.user_password=password;
    }

}
```