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Online Food Ordering Application

Submitted in partial fulfilment of the requirements for the degree of
Bachelor of Technology
in
Programme
Information Technology

by
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DECLARATION

I hereby declare that the thesis entitled "Online Food Ordering Application" submitted by me, for the award of the degree of Bachelor of Technology in Programme to VIT is a record of bonafide work carried out by me under the supervision of Guide Prof. Srinivasan P.

I further declare that the work reported in this thesis has not been submitted and will not be submitted, either in part or in full, for the award of any other degree or diploma in this institute or any other institute or university.

Place: Vellore

Date: 8th May 2021

Signature of the
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This is to certify that the thesis entitled “Online Food Ordering Application” submitted by Aniruddh Upadhyay (19BIT0294), Saksham Tandon (19BIT0326), Bhaumik Tandan (19BIT0292), SITE, VIT, for the award of the degree of Bachelor of Technology in Programme B.Tech IT, is a record of bonafide work carried out by him / her under my supervision during the period, 01. 12. 2018 to 30.04.2019, as per the VIT code of academic and research ethics.

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Place: Vellore

Date: 8th May 2021

Signature of the Guide

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Executive Summary

Online food delivery system is a very well-known matter in present time. With the rapid development of modern civilization, many restaurants have popped up which are now providing online food delivery as well as serving the customers on time. The service providing companies have separate wings to maintain the system of food delivery. There have been several issues regarding this matter and rapid changes are occurring regularly for these things. So, this report includes some ways how the online food delivery system is managed and how they could be developed in future.

INTRODUCTION

Objectives

1. To increase efficiency and improve services provided to the customers through better application of technology in daily operations.
2. To be able to stand out from competitors in the food service industry
3. To enable customers to order custom meals that aren't in the menu
4. To enable customers to have a visual confirmation that the order was placed correctly
5. To enable customers to know food ingredients before ordering
6. To reduce restaurant's food wastage
7. To ensure correct placement of orders through visual confirmation
8. Improve efficiency of restaurant's staff
9. Eliminate paper work and increase level of accuracy
10. To Increase speed of service, sales volume and customer satisfaction.

Background

Since the rising of civilization, human has felt the need for various things and eventually have achieved those things. Food is one of the basic needs which is must for the living of people. Rounding all these things man has created many domains which fulfill this basic need. With the passing of time many organizations have been built up which not only serve the food to the customers but also have remarkable sign in food delivery at home or other places. Online food delivery is one of these parts. This has made the lifestyle easier and more comfortable.

A fast-food restaurant also known as quick service restaurant (QSR) within the food service industry is a specific type of restaurant characterized both by its fast-food cuisine and by minimal table service. Food served in fast food restaurants is offered from a limited menu, cooked in bulk in advance and kept hot, is finished and packaged for order and is usually available ready for pickup or to be delivered though seating may also be provided. The customers presently spend an average of 60 minutes per day going to the restaurant, selecting their meals and paying. Some restaurants have the provision of customers making a call to the restaurant in advance to order a meal to be ready for them for pick or to be delivered to them. Some of the customers don't always get the selection they want because the restaurants run out of certain items or because there is no provision of ordering custom meals. So, the objective is to give suggestive opinions about how the online delivery system can be developed as well as fulfilling the customer satisfaction.

PROJECT DESCRIPTION AND GOALS

An Online Food Ordering application is proposed here which simplifies the food ordering process. The proposed system shows a user interface and update the menu with all available options so that it eases the customer work. Customer can choose more than one item to make an order and can view order details before logging off. The order confirmation is sent to the customer. The order is placed in the queue and updated in the database and returned in real time. This system assists the staff to go through the orders in real time and process it efficiently with minimal errors.

The labour rates are increasing steadily year on year thus making it difficult to find employees. The food industry is highly labour intensive and the biggest expense in the food industry is the cost of employing the right kind of people to do the work. One of the ways to reduce this expense is to use modern technology to replace some of the jobs done by human beings and make machines do the work. Here we propose an “Online Food Ordering System” that has been designed for Fast Food restaurant, Take-Out or College Cafeterias. The system can also be used in any food delivery industry. This simplifies the process of food ordering for both the customer and the restaurant, as the customer can order food while sitting in their homes.

TECHNICAL SPECIFICATION

This project is created using many tools and techniques. There are many tools which are present to develop the system for using different platforms but in this our project we are using Android Studio platform for the development of the system. Android Studio provides us Integrated Development environment. For every java-based project most of the people prefer Android Studio to develop the project. It consists of a base-space in association of protractible system as an add-on for making customizations in the environment. Android Studio is hard coded in Java with the primary goal to develop applications in Java. Developing environments make usage of Android Studio Java development tools (JDT) for Java as well as Scala.

The starting codebase was originated from the Visual Age concept project of IBM. The Android Studio software system development kit (SDK), which includes the tools to be utilized in developing Java applications, is mainly supported for and by Java coders. Users may expand the skills of Android Studio by installing in more add-ons developed for the Android Studio Platform, such as toolkits for development in alternative programming languages, and might also code and contribute their own add-on modules. Since Equinox, plug-ins are plugged stopped dynamically and area unit termed (OSGI) bundles.

Android Studio software system development kit (SDK) is free to use and ASCII text file software system, which are released in press beneath the terms and conditions of the Android Studio Public License, though it's incompatible with the antelope and lateral General Public License

DESIGN APPROACH AND DETAILS

Design Approach / Materials & Methods

Sign up — This is the first important step in winning a new customer's loyalty. Users should be able to create a new account via a login/password combination or using a social signup (like Google, Facebook, etc.).

Personal profile — Once a customer has registered for your app, they need to access their profile. The profile can contain order history, the ability to save favourite restaurants/meals or order, and saved payment options.

Restaurant search — If you have a restaurant chain, enable customers to see the restaurant nearby. To filter through the choices, you can allow customers to search by time, distance, etc. You can also include details of each restaurant such as location, menu offerings, special offers, prices, and customer reviews.

Orders — This is one of the most important features of your ordering app. Let customers order quickly and easily. They should be able to add and delete items for orders and specify a delivery time. Also, make sure you provide customers with an order summary before they complete payment.

Payments — Once a customer is finished with ordering, enable them to pay for their order. Payment processing should be secure and fast. Ideally, your app should offer multiple payment options such as credit cards, Apple Pay/Android Pay, PayPal, etc.

Codes and Standards

Databasehelper.java

```
package com.example.homepc.restauranteatitapp;

import android.app.AlertDialog;
import android.content.ContentValues;
import android.content.Context;
import android.database.Cursor;
import android.database.sqlite.SQLiteDatabase;
import android.database.sqlite.SQLiteOpenHelper;
import android.widget.Toast;

/**
 * Created by HomePC on 1/9/2018.
 */

public class DatabaseHelper extends SQLiteOpenHelper{
    public static final String DATABASE_NAME = "EatItData";

    //TABLE 1 FOR LOGIN DETAILS

    public static final String TABLE_NAME = "Customers";
    public static final String COLUMN_1 = "Id";
    final String COLUMN_2 = "Name";
    public static final String COLUMN_3 = "Password";

    //TABLE 2 FOR ORDER DETAILS

    public static final String TABLE_NAME_2 = "OrderDetails";
    public static final String KEY_1 = "OrderNo";
    public static final String KEY_2 = "ItemName";
    public static final String KEY_3 = "ItemQuantity";
    public static final String KEY_4 = "ItemPrice";

    public DatabaseHelper(Context context) {
        super(context, DATABASE_NAME, null, 1);
    }

    @Override
    public void onCreate(SQLiteDatabase db) {
        db.execSQL("CREATE TABLE " + TABLE_NAME + " (id integer primary key autoincrement,name text,password text) ");
        db.execSQL("CREATE TABLE " + TABLE_NAME_2 + " (orderno integer primary key autoincrement,itemname text,itemquantity text,itemprice text) ");
    }
}
```

```

    }

    @Override
    public void onUpgrade(SQLiteDatabase db, int i, int i1) {

        db.execSQL("DROP TABLE IF EXISTS "+ TABLE_NAME);
        db.execSQL("DROP TABLE IF EXISTS "+ TABLE_NAME_2);
        onCreate(db);
    }

    public boolean Add_Account(String Name,String Password){
        SQLiteDatabase db = getWritableDatabase();
        ContentValues contentValues = new ContentValues();
        contentValues.put(COLUMN_2,Name);
        contentValues.put(COLUMN_3,Password);
        double check = db.insert(TABLE_NAME,null,contentValues);
        if(check == -1) return false;
        else return true;
    }

    public Cursor GetData(){
        SQLiteDatabase db = this.getWritableDatabase();
        Cursor res = db.rawQuery("SELECT * FROM "+ TABLE_NAME ,null);
        return res;
    }

    public Cursor CheckAccount(String searchstr){
        SQLiteDatabase db = this.getWritableDatabase();
        Cursor cursor = db.rawQuery("SELECT * FROM Customers WHERE Name LIKE
'%" +searchstr+"%", null);
        if(cursor != null){
            cursor.moveToFirst();
        }
        return cursor;
    }

}

//ORDER DETAILS DATABASE WORK

public boolean Add_to_Cart(String Name,String Quantity,String Price){
    SQLiteDatabase db = getWritableDatabase();
    ContentValues contentValues1 = new ContentValues();
    contentValues1.put(KEY_2,Name);
    contentValues1.put(KEY_3,Quantity);
    contentValues1.put(KEY_4,Price);
    double check = db.insert(TABLE_NAME_2,null,contentValues1);
    if(check == -1) return false;
    else return true;
}

```

```

    }
    public Cursor Get_OrderDetails() {
        SQLiteDatabase db = this.getWritableDatabase();
        Cursor data = db.rawQuery("SELECT * FROM "+ TABLE_NAME_2, null);
        return data;
    }

    public Integer delete_one(String id){
        SQLiteDatabase db = this.getWritableDatabase();
        return db.delete(TABLE_NAME_2,"Id = ?",new String [] {id});
    }

    public void delete_all( ){
        SQLiteDatabase db = this.getWritableDatabase();
        db.execSQL("delete from "+ TABLE_NAME_2);
    }
}

```

LoginOptionPage.java

```

package com.example.homepc.restauranteatitapp;

import android.app.AlertDialog;
import android.content.Intent;
import android.database.Cursor;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.view.animation.Animation;
import android.view.animation.AnimationUtils;
import android.widget.Button;
import android.widget.LinearLayout;
import android.widget.RelativeLayout;

public class LoginOptionsPage extends AppCompatActivity {
    Button sign_in,sign_up,details,orderdetails;
    DatabaseHelper myDB;
    LinearLayout l1,l2;
    Animation uptodown,downtoup;

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

```

```

        sign_in = (Button) findViewById(R.id.signin);
        sign_up = (Button) findViewById(R.id.signup);
        details = (Button) findViewById(R.id.userinfo);
        orderdetails = (Button) findViewById(R.id.order_details);

        l1 = (LinearLayout) findViewById(R.id.layout1);
        l2 = (LinearLayout) findViewById(R.id.layout2);

        uptodown = AnimationUtils.loadAnimation(this,R.anim.uptodown);
        downtoup = AnimationUtils.loadAnimation(this,R.anim.downtoup);

        l1.setAnimation(uptodown);
        l2.setAnimation(downtoup);

        myDB = new DatabaseHelper(this);
        User_info();
        Order_data();
        sign_in.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent signinpage = new Intent(getApplicationContext(),SignIn
Page.class);
                startActivity(signinpage);
                finish();
            }
        });

        sign_up.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent signuppage = new Intent(getApplicationContext(),SignUp
Page.class);
                startActivity(signuppage);
                finish();
            }
        });

    }

    public void User_info(){

        details.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                Cursor res = myDB.GetData();
                if(res.getCount() == 0) {
                    showMessage("Error", "nothing found");

```

```

        return;
    }
    StringBuffer buffer = new StringBuffer();
    while (res.moveToNext()){

        buffer.append("Id : " + res.getString(0) + "\n");
        buffer.append("Username : " + res.getString(1) + "\n");
        buffer.append("Password : " + res.getString(2)+ "\n");

    }
    showMessage("Data",buffer.toString());

    });
}

public void Order_data(){
    orderdetails.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            Cursor res = myDB.Get_OrderDetails();
            if(res.getCount() == 0) {
                showMessage("Error", "nothing found");
                return;
            }
            StringBuffer buffer = new StringBuffer();
            while (res.moveToNext()){

                buffer.append("Id : " + res.getString(0) + "\n");
                buffer.append("Item Name : " + res.getString(1) + "\n");
                buffer.append("Quantity : " + res.getString(2)+ "\n");
                buffer.append("Price : " + res.getString(3)+ "\n");

            }
            showMessage("Data",buffer.toString());

        }
    });
}

public void showMessage(String title,String message){

    AlertDialog.Builder builder = new AlertDialog.Builder(this);
    builder.setCancelable(true);
    builder.setTitle(title);
    builder.setMessage(message);
    builder.show();

}

```

MainActivity.java

```

package com.example.homepc.restauranteatitapp;

import android.app.AlertDialog;
import android.app.Dialog;
import android.content.DialogInterface;
import android.content.Intent;
import android.database.Cursor;
import android.os.Bundle;
import android.support.design.widget.FloatingActionButton;
import android.support.design.widget.Snackbar;
import android.view.View;
import android.support.design.widget.NavigationView;
import android.support.v4.view.GravityCompat;
import android.support.v4.widget.DrawerLayout;
import android.support.v7.app.ActionBarDrawerToggle;
import android.support.v7.app.AppCompatActivity;
import android.support.v7.widget.Toolbar;
import android.view.Menu;
import android.view.MenuItem;
import android.widget.Button;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity
    implements NavigationView.OnNavigationItemSelectedListener {

    NavigationView navigationView = null;
    Toolbar toolbar = null;
    Button logout,cancel;
    DatabaseHelper mydb;

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

        mydb = new DatabaseHelper(this);

        Intent i = getIntent();
        String save1 = i.getStringExtra("Name_marker");
        // String save2 = i.getStringExtra("pass_marker");

        Toast.makeText(getApplicationContext(),"Hello " + save1+ " , Welc
ome to Eat It Restaurant",Toast.LENGTH_SHORT).show();
        // Toast.makeText(getApplicationContext(),save2,Toast.LENGTH_SHORT
).show();

        //DEFAULT FRAGMENT

```



```

        MainFragment fragment = new MainFragment();
        android.support.v4.app.FragmentTransaction fragmentTransaction =
            getSupportFragmentManager().beginTransaction();
        fragmentTransaction.replace(R.id.Fragment_container, fragment);
        fragmentTransaction.commit();

        toolbar = (Toolbar) findViewById(R.id.toolbar);
        setSupportActionBar(toolbar);

//        FloatingActionButton fab = (FloatingActionButton) findViewById(R.id
//        .fab);
//        fab.setOnClickListener(new View.OnClickListener() {
//            @Override
//            public void onClick(View view) {
//                Snackbar.make(view, "Replace with your own action", Snackbar
//                .LENGTH_LONG)
//                    .setAction("Action", null).show();
//            }
//        });

        DrawerLayout drawer = (DrawerLayout) findViewById(R.id.drawer_layout)
;
        ActionBarDrawerToggle toggle = new ActionBarDrawerToggle(
            this, drawer, toolbar, R.string.navigation_drawer_open, R.str
            ing.navigation_drawer_close);
        drawer.addDrawerListener(toggle);
        toggle.syncState();

        navigationView = (NavigationView) findViewById(R.id.nav_view);
        navigationView.setNavigationItemSelectedListener(this);
    }

    @Override
    public void onBackPressed() {
        DrawerLayout drawer = (DrawerLayout) findViewById(R.id.drawer_layout)
;
        if (drawer.isDrawerOpen(GravityCompat.START)) {
            drawer.closeDrawer(GravityCompat.START);
        } else {
            super.onBackPressed();
        }
    }

    @Override
    public boolean onCreateOptionsMenu(Menu menu) {
        // Inflate the menu; this adds items to the action bar if it is prese
        nt.

```

```

        getMenuInflater().inflate(R.menu.main, menu);
        return true;
    }

    @Override
    public boolean onOptionsItemSelected(MenuItem item) {
        // Handle action bar item clicks here. The action bar will
        // automatically handle clicks on the Home/Up button, so long
        // as you specify a parent activity in AndroidManifest.xml.
        int id = item.getItemId();

        //noinspection SimplifiableIfStatement
        if (id == R.id.action_settings) {
            return true;
        }

        return super.onOptionsItemSelected(item);
    }

    @SuppressWarnings("StatementWithEmptyBody")
    @Override
    public boolean onNavigationItemSelected(MenuItem item) {
        // Handle navigation view item clicks here.
        int id = item.getItemId();

        if (id == R.id.nav_fastfood) {
            FastFoodFragment fragment = new FastFoodFragment();
            android.support.v4.app.FragmentTransaction fragmentTransaction
=
                getSupportFragmentManager().beginTransaction();
            fragmentTransaction.replace(R.id.Fragment_container, fragment);
            fragmentTransaction.commit();

        } else if (id == R.id.nav_seafood) {

            SeaFragment fragment = new SeaFragment();
            android.support.v4.app.FragmentTransaction fragmentTransaction =
                getSupportFragmentManager().beginTransaction();
            fragmentTransaction.replace(R.id.Fragment_container, fragment);
            fragmentTransaction.commit();

        }
        else if (id == R.id.nav_italian) {

            ItalianFragment fragment = new ItalianFragment();
            android.support.v4.app.FragmentTransaction fragmentTransaction =
                getSupportFragmentManager().beginTransaction();
            fragmentTransaction.replace(R.id.Fragment_container, fragment);
            fragmentTransaction.commit();
        }
    }

```

```

    } else if (id == R.id.nav_continental) {

        ContinentalFragment fragment = new ContinentalFragment();
        android.support.v4.app.FragmentTransaction fragmentTransaction =
            getSupportFragmentManager().beginTransaction();
        fragmentTransaction.replace(R.id.Fragment_container, fragment);
        fragmentTransaction.commit();

    } else if (id == R.id.nav_traditional) {

        TraditionalFragment fragment = new TraditionalFragment();
        android.support.v4.app.FragmentTransaction fragmentTransaction =
            getSupportFragmentManager().beginTransaction();
        fragmentTransaction.replace(R.id.Fragment_container, fragment);
        fragmentTransaction.commit();

    } else if (id == R.id.nav_chinese) {

        ChineseFragment fragment = new ChineseFragment();
        android.support.v4.app.FragmentTransaction fragmentTransaction =
            getSupportFragmentManager().beginTransaction();
        fragmentTransaction.replace(R.id.Fragment_container, fragment);
        fragmentTransaction.commit();
    }
    else if(id == R.id.order_details_drawer ){

        Cursor check ;
        check = mydb.Get_OrderDetails() ;

        if(check!=null && check.getCount()>0)
        {
            Intent intent = new Intent(getApplicationContext(), OrderP
age.class);
            startActivity(intent);
        }
        else {Toast.makeText(getApplicationContext(),"No details found b
ecause you didn't order something...",Toast.LENGTH_SHORT).show();}
        }
        else if(id == R.id.submit_order ){

            Cursor check ;
            check = mydb.Get_OrderDetails() ;

            if(check!=null && check.getCount()>0)
            {
                Submit_Order fragment = new Submit_Order();
                android.support.v4.app.FragmentTransaction fragmentTransactio
n =
                    getSupportFragmentManager().beginTransaction();
                fragmentTransaction.replace(R.id.Fragment_container, fragment
);

                fragmentTransaction.commit();
            }
        }
    }
}

```

```

        }
        else {Toast.makeText(getApplicationContext(),"Sorry, You don't o
rder anything...",Toast.LENGTH_SHORT).show();}
    }

    else if(id == R.id.log_out ){

        openDialog();

    }

    DrawerLayout drawer = (DrawerLayout) findViewById(R.id.drawer_layout)
;

    drawer.closeDrawer(GravityCompat.START);
    return true;

}

public void openDialog() {

    final Dialog builder = new Dialog(this); // Context, this, etc.
    builder.setContentView(R.layout.dialogdesign);
    builder.setTitle(R.string.dialog_popup);
    builder.show();
    logout = (Button) builder.findViewById(R.id.dialog_ok);
    cancel = (Button) builder.findViewById(R.id.dialog_cancel);
    logout.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {

            mydb.delete_all();
            Toast.makeText(getApplicationContext(),"Hope you like our ser
vice, Have a good day !!!",Toast.LENGTH_SHORT).show();

            Intent intent = new Intent(getApplicationContext(),LoginOptio
nsPage.class);
            startActivity(intent);
        }
    });

    cancel.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            Toast.makeText(getApplicationContext(),"So you don't want to,
Logout !!!",Toast.LENGTH_SHORT).show();
            builder.dismiss();
        }
    });
}
}
}

```

OrderAdapter.java

```

package com.example.homepc.restauranteatitapp;

import android.content.Context;
import android.database.Cursor;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.ArrayAdapter;
import android.widget.CursorAdapter;
import android.widget.TextView;
import android.widget.Toast;

import java.util.ArrayList;

/**
 * Created by HomePC on 1/16/2018.
 */

public class OrderAdapter extends ArrayAdapter<OrderClass> {

    DatabaseHelper mydb;

    public OrderAdapter(Context context, ArrayList<OrderClass> data) {
        super(context, 0, data);
        this.mydb = new DatabaseHelper(context.getApplicationContext());
    }

    @Override
    public View getView(final int position, View convertView, ViewGroup parent) {
        View listItemView = convertView;
        if (listItemView == null) {
            listItemView = LayoutInflater.from(getContext()).inflate(
                R.layout.order_layout, parent, false);
        }

        OrderClass data_item = getItem(position);

        TextView idTextView = (TextView) listItemView.findViewById(R.id.order_item_id);
        idTextView.setText("Id : " + data_item.getItemId());

        TextView nameTextView = (TextView) listItemView.findViewById(R.id.order_item_name);
        nameTextView.setText("Name : " + data_item.getItemName());

        TextView quantityTextView = (TextView) listItemView.findViewById(R.id.order_item_quantity);

```

```

        quantityTextView.setText("Quantity : " +data_item.getItemquantity());

        TextView priceTextView = (TextView) listItemView.findViewById(R.id.order_item_price);
        priceTextView.setText("Price : "+data_item.getItemPrice() + "Rs");

        return listItemView;
    }
}

```

OrderClass.java

```

package com.example.homepc.restauranteatitapp;

/**
 * Created by HomePC on 1/16/2018.
 */

public class OrderClass {
    private String Itemid;
    private String Itemname;
    private String Itemquantity;
    public String Itemprice;

    public OrderClass(String iId, String iName, String iQuantity,String iPrice)
    {
        Itemid = iId;
        Itemname = iName;
        Itemquantity = iQuantity;
        Itemprice = iPrice;
    }

    public String getItemId() {
        return Itemid;
    }

    public String getItemName() {
        return Itemname;
    }

    public String getItemPrice() {return Itemprice;}

    public String getItemquantity() {return Itemquantity;}

}

```

OrderPage.java

```

package com.example.homepc.restauranteatitapp;

import android.app.AlertDialog;
import android.content.Intent;
import android.database.Cursor;
import android.hardware.camera2.TotalCaptureResult;
import android.os.Handler;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.util.Log;
import android.view.View;
import android.widget.AdapterView;
import android.widget.AdapterView.OnItemClickListener;
import android.widget.ArrayAdapter;
import android.widget.Button;
import android.widget.ListAdapter;
import android.widget.ListView;
import android.widget.Toast;

import java.util.ArrayList;

public class OrderPage extends AppCompatActivity {

    DatabaseHelper mydb;

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

        ListView listView = (ListView) findViewById(R.id.order_page);
        mydb = new DatabaseHelper(this);

        ArrayList<OrderClass> list = new ArrayList<OrderClass>(); //use to store data from cursor
        Cursor data = mydb.Get_OrderDetails(); //contain all data

        if (data.getCount() == 0) {

        } else {
            while (data.moveToNext()) {

                list.add(new OrderClass(data.getString(0),data.getString(1),data.getString(2),data.getString(3)));

            }
        }
    }
}

```

```

        OrderAdapter adapter = new OrderAdapter(getApplicationContext(),list)
;
        listView.setAdapter(adapter);
    }
}

/*public void Order_data(){

    order.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            Cursor res = mydb.Get_OrderDetails();
            if(res.getCount() == 0) {
                showMessage("Error", "nothing found");
                return;
            }
            StringBuffer buffer = new StringBuffer();
            while (res.moveToNext()){

                buffer.append("Id : " + res.getString(0) + "\n");
                buffer.append("Item Name : " + res.getString(1) + "\n");
                buffer.append("Quantity : " + res.getString(2)+ "\n");
                buffer.append("Price : " + res.getString(3)+ "\n");

            }
            showMessage("Data",buffer.toString());

        }
    });
}

public void DeleteAll() {
    delete.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            mydb.delete_all();
        }
    });
}

}

public void showMessage(String title,String message){

    AlertDialog.Builder builder = new AlertDialog.Builder(this);
    builder.setCancelable(true);
    builder.setTitle(title);
    builder.setMessage(message);
    builder.show();

}
}

```


SignInPage.java

```

package com.example.homepc.restauranteatitapp;

import android.content.Intent;
import android.database.Cursor;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;

public class SignInPage extends AppCompatActivity {
    DatabaseHelper myDB;
    EditText signinName, signinPassword;
    Button signinbtn;
    String usernameSaver, passwordSaver;
    boolean finalcheck;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_sign_in_page);
        myDB = new DatabaseHelper(this);
        signinName = (EditText) findViewById(R.id.signin_id);
        signinPassword = (EditText) findViewById(R.id.signin_password);
        signinbtn = (Button) findViewById(R.id.signinBtn);
        signinbtn.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                String name_holder = "";
                String password_holder = "";
                if(signinName.getText().toString().equalsIgnoreCase("")||(signinPassword.getText().toString().equalsIgnoreCase("")))
                {
                    Toast.makeText(getApplicationContext(),"Username and Password fields can't left blank",Toast.LENGTH_SHORT).show();

                }else
                {
                    Cursor c = myDB.CheckAccount(signinName.getText().toString());
                    if(c != null)
                    try {
                        name_holder = c.getString(1);
                        password_holder = c.getString(2);

                    }catch (Exception e){

                    }
                }
            }
        });
    }
}

```

```

        if(name_holder.equalsIgnoreCase(signinName.getText().toString()) &&(password_holder.equals(signinPassword.getText().toString()))
        {
            usernameSaver = name_holder;
            passwordSaver = password_holder;
            Toast.makeText(getApplicationContext(),"Successfully
Logged In !",Toast.LENGTH_SHORT).show();
            Intent intent = new Intent(getApplicationContext(),MainActivity.class);

            intent.putExtra("Name_marker",usernameSaver);
            intent.putExtra("pass_marker",passwordSaver);
            startActivity(intent);
            finish();

        }
        else if(name_holder.equalsIgnoreCase(signinName.getText().toString()))
        {
            Toast.makeText(getApplicationContext(),"Invalid Password, Try Again !",Toast.LENGTH_SHORT).show();

        }
        else {
            Toast.makeText(getApplicationContext(),"Please Register yourself first !",Toast.LENGTH_SHORT).show();

        }

    }

}
});
}
}

```

SignUpPage.java

```

package com.example.homepc.restauranteatitapp;

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.EditText;
import android.widget.Toast;

public class SignUpPage extends AppCompatActivity {
    DatabaseHelper myDB;
    EditText signupName, signupPassword;

```

```

        Button addAccount;

        @Override
        protected void onCreate(Bundle savedInstanceState) {
            super.onCreate(savedInstanceState);
            setContentView(R.layout.activity_sign_up_page);
            myDB = new DatabaseHelper(this);
            signupName = (EditText) findViewById(R.id.signup_id);
            signupPassword = (EditText) findViewById(R.id.signup_password);
            addAccount = (Button) findViewById(R.id.add_account);

            Add_User();
        }

        public void Add_User() {

            addAccount.setOnClickListener(new View.OnClickListener() {
                @Override
                public void onClick(View view) {

                    if ((signupName.getText().toString().equals("")) && (signupPassword.getText().toString().equals("")))
                    {

                        Toast.makeText(SignUpPage.this, "Username and Password fields can't left blank", Toast.LENGTH_SHORT).show();

                    }

                    else if ((signupName.getText().toString().equals(""))) {
                        Toast.makeText(SignUpPage.this, "Username field can't left blank", Toast.LENGTH_SHORT).show();
                    }

                    else if (signupPassword.getText().toString().equals(""))
                    {
                        Toast.makeText(SignUpPage.this, "Password field can't left blank", Toast.LENGTH_SHORT).show();
                    }

                    else
                    {

                        boolean isinserted = myDB.Add_Account(signupName.getText().toString(), signupPassword.getText().toString());

                        if (isinserted)
                        {

```

```

        Toast.makeText(SignUpPage.this, "User Added Successfully !", Toast.LENGTH_SHORT).show();
        Intent intent = new Intent(getApplicationContext(),SignInPage.class);
        startActivity(intent);
        finish();
    }
    else
        Toast.makeText(SignUpPage.this, "Please, Try again", Toast.LENGTH_SHORT).show();
    }
}
});
}
}
}
}

```

Splash.java

```

package com.example.homepc.restauranteatitapp;

import android.animation.ObjectAnimator;
import android.content.Intent;
import android.os.Bundle;
import android.os.Handler;
import android.support.v7.app.AppCompatActivity;
import android.widget.ProgressBar;

public class Splash extends AppCompatActivity {
    ProgressBar splashProgress;
    int SPLASH_TIME = 3000; //This is 3 seconds

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_splash);
        splashProgress = findViewById(R.id.splashProgress);
        playProgress();
        //Code to start timer and take action after the timer ends
        new Handler(getMainLooper()).postDelayed(new Runnable() {
            @Override
            public void run() {
                Intent i=new Intent(Splash.this,LoginOptionsPage.class);
                startActivity(i);
                finish();
            }
        }, SPLASH_TIME);
    }
}

```

```

    }
    //Method to run progress bar for 5 seconds
    private void playProgress() {
        ObjectAnimator.ofInt(splashProgress, "progress", 100)
            .setDuration(3000)
            .start();
    }
}

```

AndroidManifest.xml

```

<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.example.homepc.restauranteatitapp">

    <application
        android:allowBackup="true"
        android:icon="@mipmap/logo_launcher_foreground"
        android:label="EATIO"
        android:roundIcon="@mipmap/logo_launcher_round"
        android:supportRtl="true"
        android:theme="@style/AppTheme">
        <activity android:name=".Splash">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />

                <category android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
        <activity android:name=".LoginOptionsPage" />
        <activity android:name=".SignInPage" />
        <activity android:name=".SignUpPage" />
        <activity
            android:name=".MainActivity"
            android:label="@string/title_activity_main"
            android:theme="@style/AppTheme" />
        <activity android:name=".OrderPage"></activity>

        <meta-data
            android:name="preloaded_fonts"
            android:resource="@array/preloaded_fonts" />
    </application>

</manifest>

```

Activity_login_option_page.xml

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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"
    android:background="@drawable/background"
    tools:context="com.example.homepc.restauranteatitapp.LoginOptionsPage">

    <Button
        android:id="@+id/userinfo"
        android:layout_width="150dp"
        android:layout_height="wrap_content"
        android:layout_marginLeft="120dp"
        android:layout_marginRight="8dp"
        android:layout_marginTop="15dp"
        android:layout_alignParentTop="true"
        android:text="User Information"
        android:background="#39796b"
        android:visibility="invisible"
        android:textColor="#FFFFFF"
    />

    <Button
        android:id="@+id/order_details"
        android:layout_width="150dp"
        android:layout_height="wrap_content"
        android:layout_marginLeft="120dp"
        android:layout_marginRight="8dp"
        android:layout_marginTop="80dp"
        android:layout_alignParentTop="true"
        android:text="Order Details"
        android:background="#39796b"
        android:visibility="invisible"
        android:textColor="#FFFFFF"
    />

    <LinearLayout
        android:id="@+id/layout1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:orientation="vertical"
        android:layout_centerInParent="true"
    >

        <TextView
            android:id="@+id/textView2"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:includeFontPadding="false"
```

```

        android:text="EATIO"
        android:textColor="#FFFFFF"
        android:textSize="100sp"
        app:fontFamily="More Fonts..."

    />

</LinearLayout>

<LinearLayout
    android:id="@+id/layout2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:orientation="vertical">

    <Button
        android:id="@+id/signup"
        android:layout_width="150dp"
        android:layout_height="wrap_content"
        android:layout_marginLeft="10dp"
        android:layout_marginTop="550dp"
        android:background="@drawable/darkgreenbtns"
        android:text="Sign Up"
        android:textColor="#FFFFFF" />

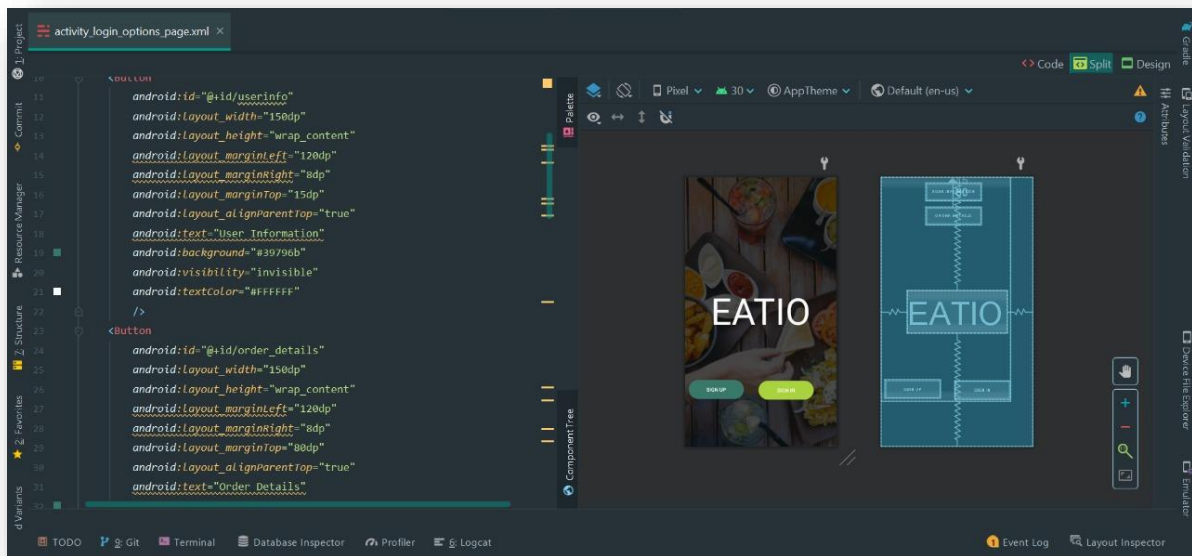
    <Button
        android:id="@+id/signin"
        android:layout_width="150dp"
        android:layout_height="wrap_content"
        android:layout_marginLeft="200dp"
        android:layout_marginTop="-50dp"
        android:layout_marginBottom="5dp"
        android:text="Sign In"
        android:background="@drawable/lightgreenbtns"
        android:textColor="#FFFFFF"

    />

</LinearLayout>
</RelativeLayout>

<!--android:background="#39796b"-->

```



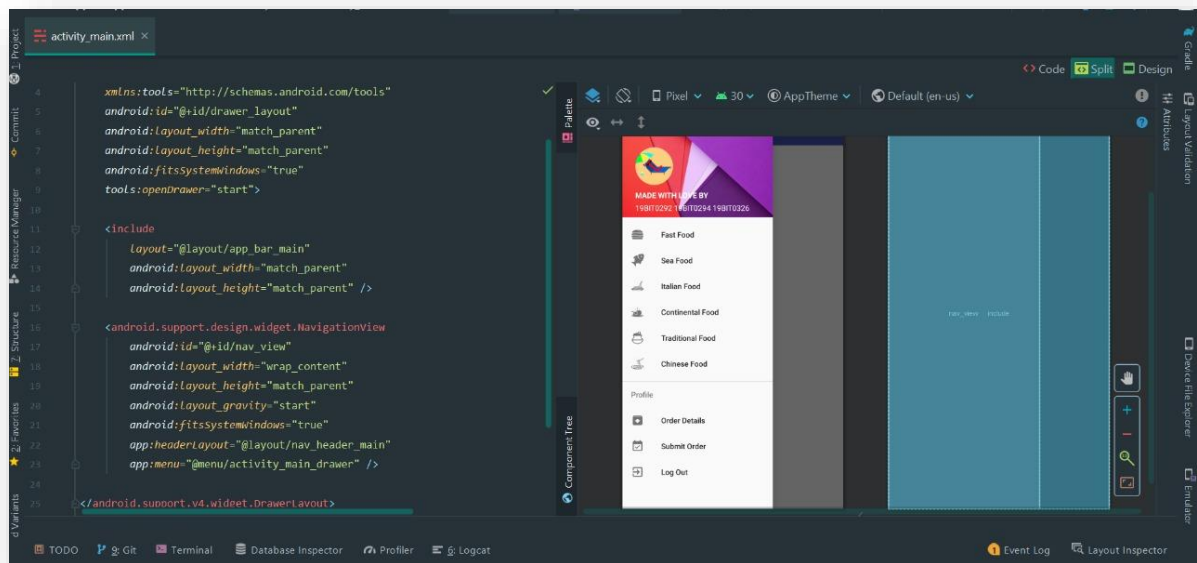
Activitymain.xml

```
<?xml version="1.0" encoding="utf-8"?>
<android.support.v4.widget.DrawerLayout 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:id="@+id/drawer_layout"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:fitsSystemWindows="true"
    tools:openDrawer="start">

    <include
        layout="@layout/app_bar_main"
        android:layout_width="match_parent"
        android:layout_height="match_parent" />

    <android.support.design.widget.NavigationView
        android:id="@+id/nav_view"
        android:layout_width="wrap_content"
        android:layout_height="match_parent"
        android:layout_gravity="start"
        android:fitsSystemWindows="true"
        app:headerLayout="@layout/nav_header_main"
        app:menu="@menu/activity_main_drawer" />

</android.support.v4.widget.DrawerLayout>
```

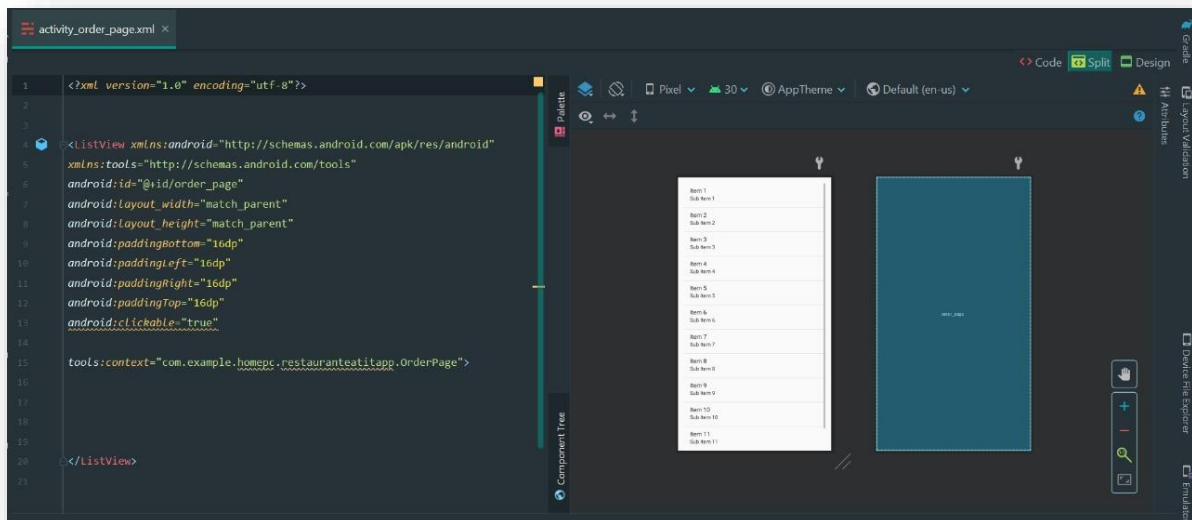
Activityorderpage.xml

```
<?xml version="1.0" encoding="utf-8"?>

<ListView xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/order_page"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:paddingBottom="@dimen/activity_vertical_margin"
    android:paddingLeft="@dimen/activity_horizontal_margin"
    android:paddingRight="@dimen/activity_horizontal_margin"
    android:paddingTop="@dimen/activity_vertical_margin"
    android:clickable="true"

    tools:context="com.example.homepc.restauranteatitapp.OrderPage">

</ListView>
```



ActivitySigninpage.xml

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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"
    android:background="@drawable/background"
    tools:context="com.example.homepc.restauranteatitapp.SignInPage">
    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Login Page"
        android:textColor="#FFFFFF"
        android:textSize="30sp"
        android:textAlignment="center"
        android:textStyle="bold"

        />

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

        <EditText
            android:id="@+id/signin_id"
            android:layout_width="340dp"
```

```
        android:layout_height="wrap_content"
        android:inputType="textCapWords"
        android:hint="Enter Name"
        android:background="@drawable/edittextdesign"
        android:textColorHint="#FFFFFF"
        android:layout_marginLeft="10dp"
        android:textAlignment="center"
        android:layout_marginTop="200dp"
        android:textColor="#FFFFFF"
    />
```

```
<EditText
    android:id="@+id/signin_password"
    android:layout_width="340dp"
    android:layout_height="wrap_content"
    android:inputType="textPassword"
    android:hint="Enter Password"
    android:background="@drawable/edittextdesign"
    android:textColorHint="#FFFFFF"
    android:textAlignment="center"
    android:layout_marginTop="20dp"
    android:layout_marginLeft="10dp"
    android:textColor="#FFFFFF"
/>
```

```
</LinearLayout>
```

```
<CheckBox
    android:id="@+id/checkbox"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Remember me"
    android:textColor="#FFFFFF"
    android:layout_alignParentBottom="true"
    android:layout_marginBottom="160dp"
/>
```

```
<TextView
    android:id="@+id/forgetcheck"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Forgot Password"
    android:textColor="#FFFFFF"
    android:layout_alignParentRight="true"
    android:layout_alignParentBottom="true"
    android:layout_marginBottom="170dp"
    android:layout_marginRight="5dp"

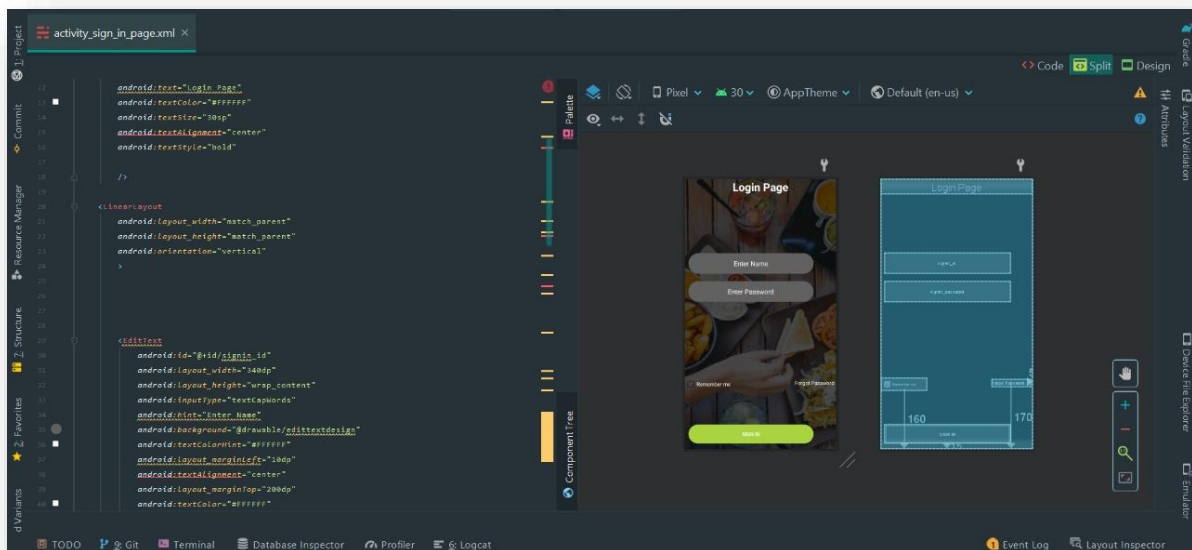
/>
```

```

<Button
    android:id="@+id/signinBtn"
    android:layout_width="340dp"
    android:layout_height="wrap_content"
    android:layout_alignParentBottom="true"
    android:layout_marginRight="8dp"
    android:paddingLeft="16dp"
    android:paddingRight="16dp"
    android:layout_marginLeft="10dp"
    android:text="Sign In"
    android:layout_marginBottom="15dp"
    android:background="@drawable/lightgreenbtns"
    android:textColor="#FFFFFF"
></Button>

```

```
</RelativeLayout>
```



ActivitySignuppagement.xml

```

<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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"
    android:background="@drawable/background"
    tools:context="com.example.homepc.restauranteatitapp.SignUpPage">
    <TextView
        android:layout_width="match parent"

```

```
        android:layout_height="wrap_content"
        android:text="Sign Up Page"
        android:textColor="#FFFFFF"
        android:textSize="30sp"
        android:textAlignment="center"
        android:textStyle="bold"
    />

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

    <EditText
        android:id="@+id/signup_id"
        android:layout_width="340dp"
        android:layout_height="wrap_content"
        android:inputType="textCapWords"
        android:hint="Enter Name"
        android:background="@drawable/edittextdesign"
        android:textColorHint="#FFFFFF"
        android:textAlignment="center"
        android:layout_marginTop="200dp"
        android:layout_marginLeft="10dp"
        android:textColor="#FFFFFF"
    />

    <EditText
        android:id="@+id/signup_password"
        android:layout_width="340dp"
        android:layout_height="wrap_content"
        android:inputType="textPassword"
        android:background="@drawable/edittextdesign"
        android:hint="Enter Password"
        android:textColorHint="#FFFFFF"
        android:textAlignment="center"
        android:layout_marginTop="20dp"
        android:layout_marginLeft="10dp"
        android:textColor="#FFFFFF" />

</LinearLayout>

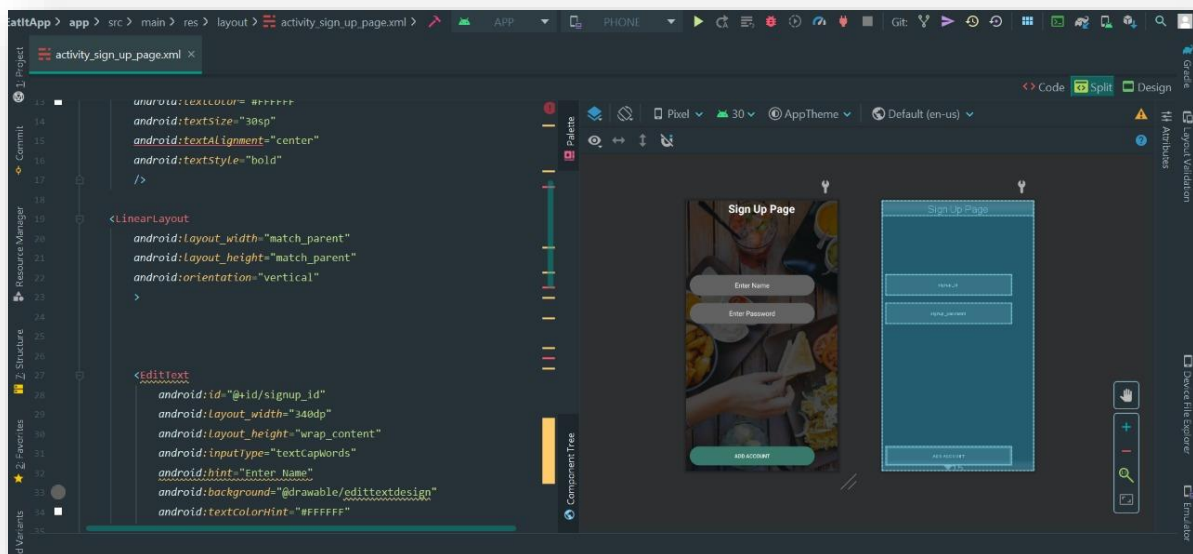
<Button
    android:id="@+id/add_account"
```

```

        android:layout_width="340dp"
        android:layout_height="wrap_content"
        android:layout_alignParentBottom="true"
        android:paddingLeft="16dp"
        android:paddingRight="16dp"
        android:layout_marginRight="8dp"
        android:text="Add Account"
        android:layout_marginBottom="15dp"
        android:layout_marginLeft="10dp"
        android:background="@drawable/darkgreenbtns"
        android:textColor="#FFFFFF"
    </Button>

</RelativeLayout>

```



ActivitySpalsh.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"
    android:background="@drawable/background"
    tools:context="com.example.homepc.restauranteatitapp.Splash">

```

```

<ProgressBar
    android:id="@+id/splashProgress"
    style="?android:attr/progressBarStyleHorizontal"
    android:layout_width="150dp"
    android:layout_height="wrap_content"
    android:layout_marginBottom="216dp"
    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/textView2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:includeFontPadding="false"
    android:text="EATIO"
    android:textColor="#FFFFFF"
    android:textSize="100sp"
    app:fontFamily="More Fonts..."
    app:layout_constraintBottom_toTopOf="@+id/splashProgress"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />

</android.support.constraint.ConstraintLayout>

```

NavHeadermain.xml

```

<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    android:layout_width="match_parent"
    android:layout_height="190dp"
    android:background="@drawable/background_material_red"
    android:orientation="vertical"
    android:theme="@style/ThemeOverlay.AppCompat.Dark">

    <de.hdodenhof.circleimageview.CircleImageView
        xmlns:app="http://schemas.android.com/apk/res-auto"
        android:id="@+id/profile_image"
        android:layout_width="70dp"
        android:layout_height="70dp"
        android:src="@drawable/profile"
        android:layout_marginLeft="24dp"
        android:layout_centerVertical="true"

```

```

        android:layout_alignParentLeft="true"
        android:layout_alignParentStart="true"
        android:layout_marginStart="24dp" />

```

```

<TextView

```

```

    android:id="@+id/username"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_above="@+id/email"
    android:layout_alignStart="@+id/profile_image"
    android:layout_alignLeft="@+id/profile_image"
    android:gravity="left"
    android:paddingBottom="4dp"
    android:text="MADE WITH LOVE BY"
    android:textColor="#FFF"
    android:textSize="14sp"
    android:textStyle="bold" />

```

```

<TextView

```

```

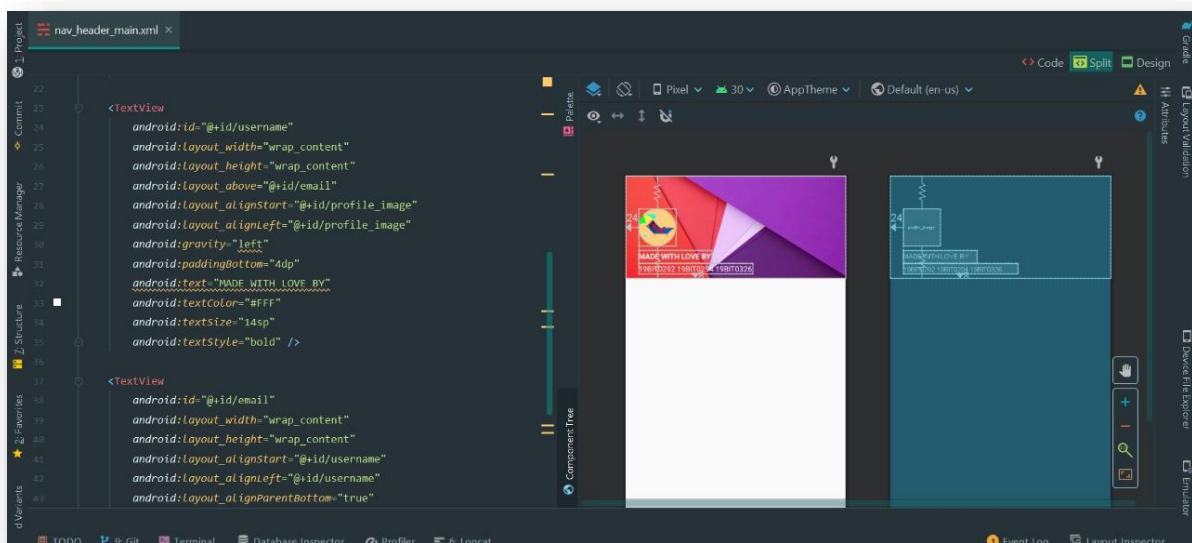
    android:id="@+id/email"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignStart="@+id/username"
    android:layout_alignLeft="@+id/username"
    android:layout_alignParentBottom="true"
    android:layout_marginBottom="8dp"
    android:gravity="left"
    android:text="19BIT0292 19BIT0294 19BIT0326"
    android:textColor="#fff"
    android:textSize="14sp" />

```

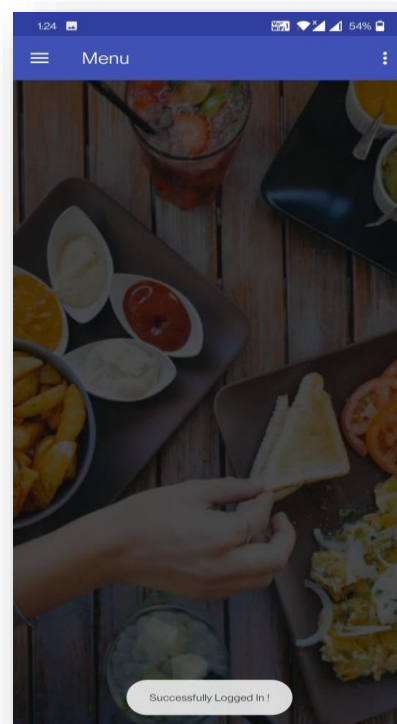
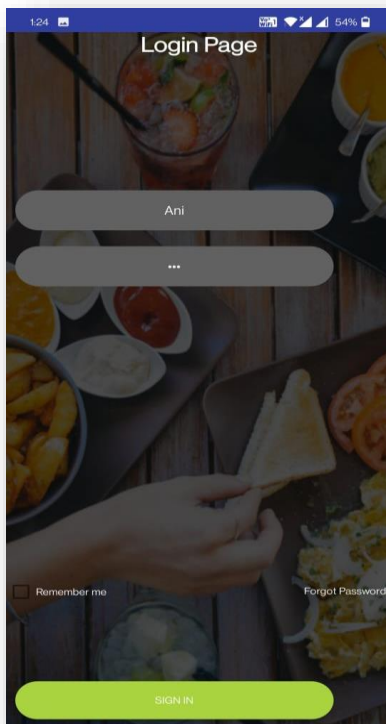
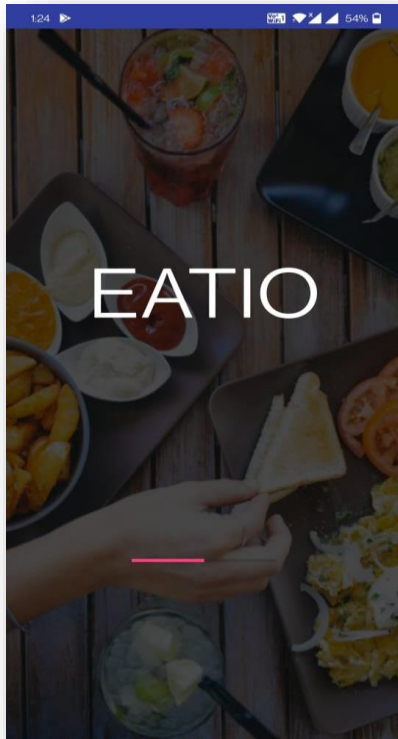
```

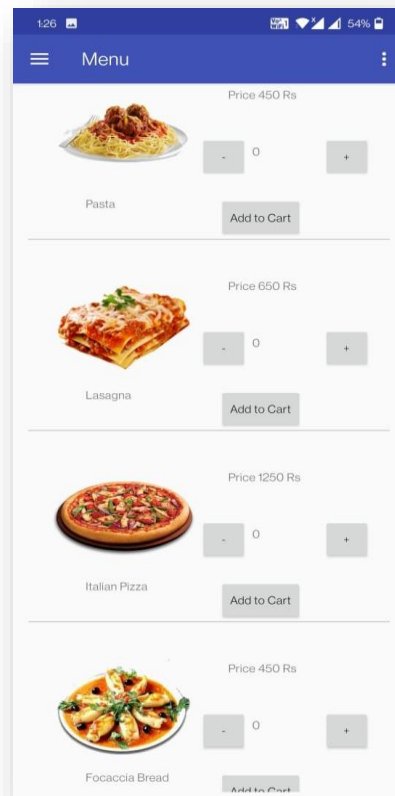
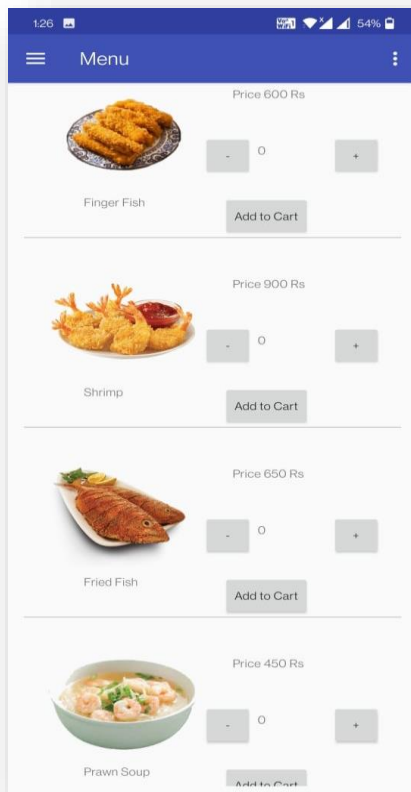
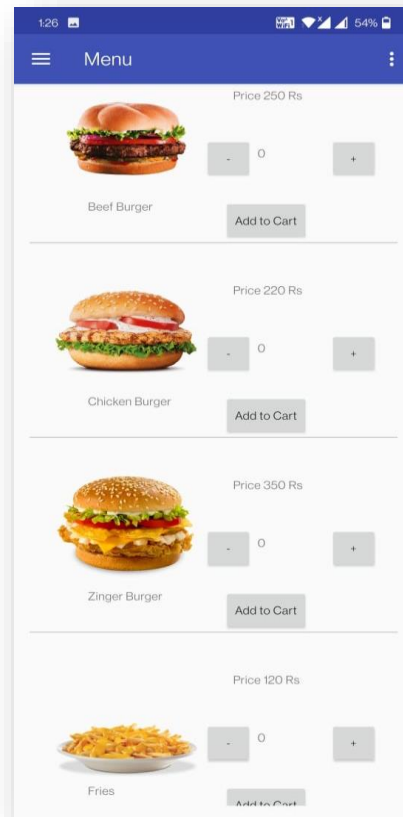
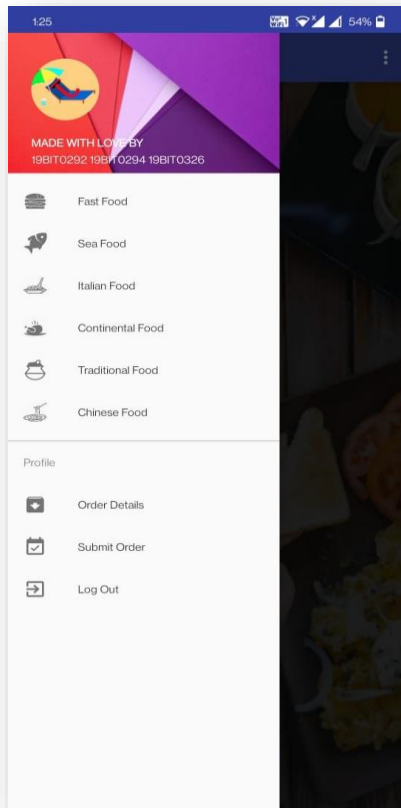
</RelativeLayout>

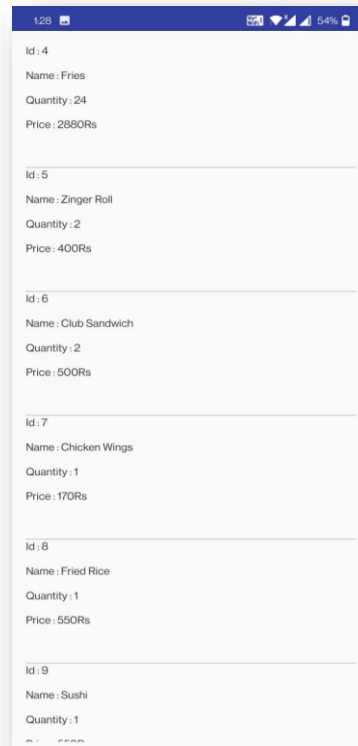
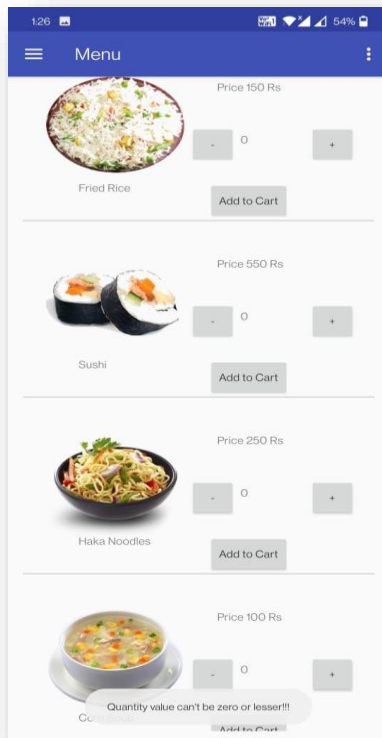
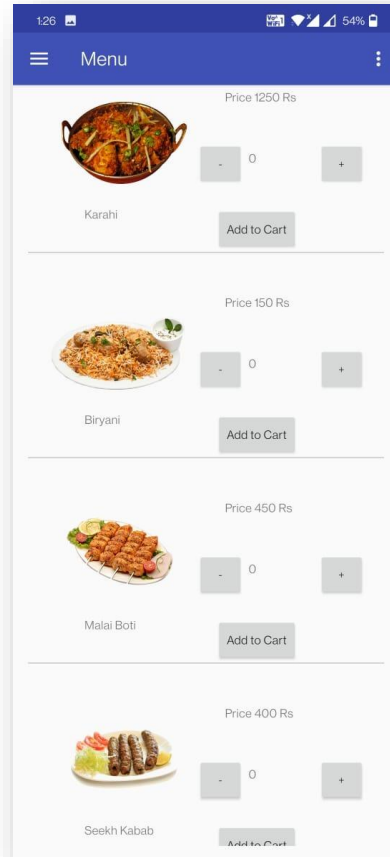
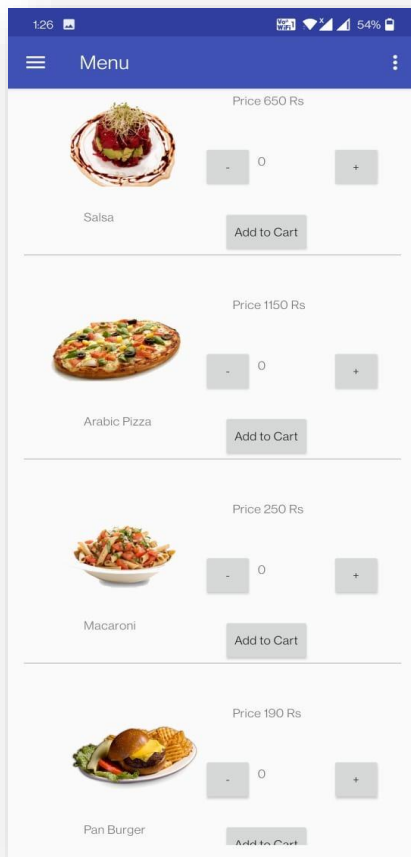
```



Demonstration







Video Link:

<https://youtu.be/AvutQlF44nQ>

Code link:

https://github.com/Bhaumik-Tandan/MAD_PROJ

Application Link:

https://github.com/Bhaumik-Tandan/MAD_PROJ/blob/master/app/build/outputs/apk/debug/app-debug.apk