**Assignment**

**Main\_activity.xml**

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

**<androidx.constraintlayout.widget.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/imageView5"**

**android:layout\_width="wrap\_content"**

**android:layout\_height="wrap\_content"**

**app:srcCompat="@drawable/main"**

**tools:layout\_editor\_absoluteX="0dp"**

**tools:layout\_editor\_absoluteY="0dp" />**

**</androidx.constraintlayout.widget.ConstraintLayout>**

**Main\_activity.java**

**package com.example.sqlapp;**

**import androidx.annotation.NonNull;**

**import androidx.appcompat.app.AppCompatActivity;**

**import android.content.Intent;**

**import android.os.Bundle;**

**import android.view.Menu;**

**import android.view.MenuItem;**

**public class MainActivity extends AppCompatActivity {**

**@Override**

**protected void onCreate(Bundle savedInstanceState) {**

**super.onCreate(savedInstanceState);**

**setContentView(R.layout.activity\_main);**

**}**

**@Override**

**public boolean onCreateOptionsMenu(Menu menu) {**

**getMenuInflater().inflate(R.menu.menu,menu);**

**return true;**

**}**

**@Override**

**public boolean onOptionsItemSelected(@NonNull MenuItem item) {**

**int id=item.getItemId();**

**if (id==R.id.insert){**

**Intent i = new Intent(getApplicationContext(), Insert.class);**

**startActivity(i);**

**}**

**if (id==R.id.show){**

**Intent s = new Intent(getApplicationContext(), show.class);**

**startActivity(s);**

**}**

**if (id==R.id.update){**

**Intent u = new Intent(getApplicationContext(), update.class);**

**startActivity(u);**

**}**

**if (id==R.id.delete){**

**Intent d = new Intent(getApplicationContext(), delete.class);**

**startActivity(d);**

**}**

**if (id==R.id.exit){**

**finish();**

**System.exit(0);**

**}**

**return super.onOptionsItemSelected(item);**

**}**

**}**

**Menu.xml**

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

**<menu xmlns:app="http://schemas.android.com/apk/res-auto"**

**xmlns:android="http://schemas.android.com/apk/res/android">**

**<item**

**android:id="@+id/insert"**

**android:title="Insert" />**

**<item**

**android:id="@+id/show"**

**android:title="Show" />**

**<item**

**android:id="@+id/update"**

**android:title="Update" />**

**<item**

**android:id="@+id/delete"**

**android:title="Delete" />**

**<item**

**android:id="@+id/exit"**

**android:title="Exit" />**

**</menu>**

**activity\_insert.xml**

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

**<androidx.constraintlayout.widget.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=".Insert">**

**<ImageView**

**android:id="@+id/imageView2"**

**android:layout\_width="wrap\_content"**

**android:layout\_height="wrap\_content"**

**app:srcCompat="@drawable/sql"**

**tools:layout\_editor\_absoluteX="0dp"**

**tools:layout\_editor\_absoluteY="0dp" />**

**<EditText**

**android:id="@+id/ipid"**

**android:layout\_width="wrap\_content"**

**android:layout\_height="wrap\_content"**

**android:ems="10"**

**android:inputType="number"**

**app:layout\_constraintBottom\_toBottomOf="parent"**

**app:layout\_constraintEnd\_toEndOf="parent"**

**app:layout\_constraintHorizontal\_bias="0.582"**

**app:layout\_constraintStart\_toStartOf="parent"**

**app:layout\_constraintTop\_toTopOf="parent"**

**app:layout\_constraintVertical\_bias="0.252" />**

**<EditText**

**android:id="@+id/ipname"**

**android:layout\_width="wrap\_content"**

**android:layout\_height="wrap\_content"**

**android:ems="10"**

**android:inputType="textPersonName"**

**app:layout\_constraintBottom\_toBottomOf="parent"**

**app:layout\_constraintEnd\_toEndOf="parent"**

**app:layout\_constraintHorizontal\_bias="0.706"**

**app:layout\_constraintStart\_toStartOf="parent"**

**app:layout\_constraintTop\_toTopOf="parent"**

**app:layout\_constraintVertical\_bias="0.336" />**

**<EditText**

**android:id="@+id/ipprice"**

**android:layout\_width="wrap\_content"**

**android:layout\_height="wrap\_content"**

**android:ems="10"**

**android:inputType="number"**

**app:layout\_constraintBottom\_toBottomOf="parent"**

**app:layout\_constraintEnd\_toEndOf="parent"**

**app:layout\_constraintHorizontal\_bias="0.706"**

**app:layout\_constraintStart\_toStartOf="parent"**

**app:layout\_constraintTop\_toTopOf="parent"**

**app:layout\_constraintVertical\_bias="0.425" />**

**<EditText**

**android:id="@+id/ipqnty"**

**android:layout\_width="182dp"**

**android:layout\_height="39dp"**

**android:ems="10"**

**android:inputType="number"**

**app:layout\_constraintBottom\_toBottomOf="parent"**

**app:layout\_constraintEnd\_toEndOf="parent"**

**app:layout\_constraintHorizontal\_bias="0.81"**

**app:layout\_constraintStart\_toStartOf="parent"**

**app:layout\_constraintTop\_toTopOf="parent"**

**app:layout\_constraintVertical\_bias="0.516" />**

**<EditText**

**android:id="@+id/ipmcn"**

**android:layout\_width="wrap\_content"**

**android:layout\_height="wrap\_content"**

**android:ems="10"**

**android:inputType="textPersonName"**

**app:layout\_constraintBottom\_toBottomOf="parent"**

**app:layout\_constraintEnd\_toEndOf="parent"**

**app:layout\_constraintHorizontal\_bias="0.751"**

**app:layout\_constraintStart\_toStartOf="parent"**

**app:layout\_constraintTop\_toTopOf="parent"**

**app:layout\_constraintVertical\_bias="0.602" />**

**<ImageButton**

**android:id="@+id/iadd"**

**android:layout\_width="150dp"**

**android:layout\_height="54dp"**

**android:layout\_marginStart="176dp"**

**android:layout\_marginEnd="170dp"**

**android:backgroundTint="#00FFFFFF"**

**app:layout\_constraintBottom\_toBottomOf="parent"**

**app:layout\_constraintEnd\_toEndOf="parent"**

**app:layout\_constraintHorizontal\_bias="0.541"**

**app:layout\_constraintStart\_toStartOf="parent"**

**app:layout\_constraintTop\_toTopOf="parent"**

**app:layout\_constraintVertical\_bias="0.731"**

**app:srcCompat="@drawable/insert" />**

**Insert.java**

**package com.example.sqlapp;**

**import androidx.appcompat.app.AppCompatActivity;**

**import android.content.Context;**

**import android.database.Cursor;**

**import android.os.Bundle;**

**import android.view.View;**

**import android.widget.\*;**

**import android.database.sqlite.\*;**

**public class Insert extends AppCompatActivity {**

**SQLiteDatabase db;**

**Cursor cr;**

**EditText id, name, price, qnty, mcn;**

**ImageButton button;**

**@Override**

**protected void onCreate(Bundle savedInstanceState) {**

**super.onCreate(savedInstanceState);**

**setContentView(R.layout.activity\_insert);**

**id = findViewById(R.id.ipid);**

**name = findViewById(R.id.ipname);**

**price = findViewById(R.id.ipprice);**

**qnty = findViewById(R.id.ipqnty);**

**mcn = findViewById(R.id.ipmcn);**

**button = findViewById(R.id.iadd);**

**db = openOrCreateDatabase("Mydata", Context.MODE\_PRIVATE,null);**

**db.execSQL("Create Table If Not Exists pinfo1(pid int, pname varchar, price int, pqnty int, pmcn varchar);");**

**button.setOnClickListener(new View.OnClickListener() {**

**@Override**

**public void onClick(View view) {**

**String q = "Insert into pinfo1 Values('"+id.getText()+"','"+name.getText()+"','"+price.getText()+"','"+qnty.getText()+"','"+mcn.getText()+"')";**

**db.execSQL(q);**

**Toast.makeText(getApplicationContext(),"Product " + name.getText()+ " Added!", Toast.LENGTH\_LONG).show();**

**finish();**

**}**

**});**

**}**

**}**

**activity\_show.xml**

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

**<androidx.constraintlayout.widget.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=".show">**

**<ImageView**

**android:id="@+id/imageView"**

**android:layout\_width="wrap\_content"**

**android:layout\_height="wrap\_content"**

**app:srcCompat="@drawable/sql"**

**tools:layout\_editor\_absoluteX="0dp"**

**tools:layout\_editor\_absoluteY="0dp" />**

**<TextView**

**android:id="@+id/spid"**

**android:layout\_width="240dp"**

**android:layout\_height="34dp"**

**android:ems="10"**

**android:textSize="24sp"**

**app:layout\_constraintBottom\_toBottomOf="parent"**

**app:layout\_constraintEnd\_toEndOf="parent"**

**app:layout\_constraintHorizontal\_bias="0.76"**

**app:layout\_constraintStart\_toStartOf="parent"**

**app:layout\_constraintTop\_toTopOf="parent"**

**app:layout\_constraintVertical\_bias="0.258" />**

**<TextView**

**android:id="@+id/spname"**

**android:layout\_width="198dp"**

**android:layout\_height="33dp"**

**android:ems="10"**

**android:textSize="24sp"**

**app:layout\_constraintBottom\_toBottomOf="parent"**

**app:layout\_constraintEnd\_toEndOf="parent"**

**app:layout\_constraintHorizontal\_bias="0.718"**

**app:layout\_constraintStart\_toStartOf="parent"**

**app:layout\_constraintTop\_toTopOf="parent"**

**app:layout\_constraintVertical\_bias="0.343" />**

**<TextView**

**android:id="@+id/spprice"**

**android:layout\_width="188dp"**

**android:layout\_height="33dp"**

**android:ems="10"**

**android:textSize="24sp"**

**app:layout\_constraintBottom\_toBottomOf="parent"**

**app:layout\_constraintEnd\_toEndOf="parent"**

**app:layout\_constraintHorizontal\_bias="0.686"**

**app:layout\_constraintStart\_toStartOf="parent"**

**app:layout\_constraintTop\_toTopOf="parent"**

**app:layout\_constraintVertical\_bias="0.426" />**

**<TextView**

**android:id="@+id/spqnty"**

**android:layout\_width="160dp"**

**android:layout\_height="31dp"**

**android:ems="10"**

**android:textSize="24sp"**

**app:layout\_constraintBottom\_toBottomOf="parent"**

**app:layout\_constraintEnd\_toEndOf="parent"**

**app:layout\_constraintHorizontal\_bias="0.76"**

**app:layout\_constraintStart\_toStartOf="parent"**

**app:layout\_constraintTop\_toTopOf="parent"**

**app:layout\_constraintVertical\_bias="0.512" />**

**<TextView**

**android:id="@+id/spmcn"**

**android:layout\_width="197dp"**

**android:layout\_height="32dp"**

**android:ems="10"**

**android:textSize="24sp"**

**app:layout\_constraintBottom\_toBottomOf="parent"**

**app:layout\_constraintEnd\_toEndOf="parent"**

**app:layout\_constraintHorizontal\_bias="0.757"**

**app:layout\_constraintStart\_toStartOf="parent"**

**app:layout\_constraintTop\_toTopOf="parent"**

**app:layout\_constraintVertical\_bias="0.603" />**

**<ImageButton**

**android:id="@+id/sfirst"**

**android:layout\_width="wrap\_content"**

**android:layout\_height="wrap\_content"**

**android:backgroundTint="#00FFFFFF"**

**app:layout\_constraintBottom\_toBottomOf="parent"**

**app:layout\_constraintEnd\_toEndOf="parent"**

**app:layout\_constraintHorizontal\_bias="0.188"**

**app:layout\_constraintStart\_toStartOf="parent"**

**app:layout\_constraintTop\_toTopOf="parent"**

**app:layout\_constraintVertical\_bias="0.693"**

**app:srcCompat="@drawable/firstb" />**

**<ImageButton**

**android:id="@+id/snext"**

**android:layout\_width="wrap\_content"**

**android:layout\_height="wrap\_content"**

**android:backgroundTint="#00FFFFFF"**

**app:layout\_constraintBottom\_toBottomOf="parent"**

**app:layout\_constraintEnd\_toEndOf="parent"**

**app:layout\_constraintHorizontal\_bias="0.835"**

**app:layout\_constraintStart\_toStartOf="parent"**

**app:layout\_constraintTop\_toTopOf="parent"**

**app:layout\_constraintVertical\_bias="0.693"**

**app:srcCompat="@drawable/nextb" />**

**<ImageButton**

**android:id="@+id/slast"**

**android:layout\_width="wrap\_content"**

**android:layout\_height="wrap\_content"**

**android:backgroundTint="#00FFFFFF"**

**app:layout\_constraintBottom\_toBottomOf="parent"**

**app:layout\_constraintEnd\_toEndOf="parent"**

**app:layout\_constraintHorizontal\_bias="0.188"**

**app:layout\_constraintStart\_toStartOf="parent"**

**app:layout\_constraintTop\_toTopOf="parent"**

**app:layout\_constraintVertical\_bias="0.78"**

**app:srcCompat="@drawable/lastb" />**

**<ImageButton**

**android:id="@+id/sprev"**

**android:layout\_width="wrap\_content"**

**android:layout\_height="wrap\_content"**

**android:backgroundTint="#00FFFFFF"**

**app:layout\_constraintBottom\_toBottomOf="parent"**

**app:layout\_constraintEnd\_toEndOf="parent"**

**app:layout\_constraintHorizontal\_bias="0.835"**

**app:layout\_constraintStart\_toStartOf="parent"**

**app:layout\_constraintTop\_toTopOf="parent"**

**app:layout\_constraintVertical\_bias="0.78"**

**app:srcCompat="@drawable/prevb" />**

**</androidx.constraintlayout.widget.ConstraintLayout>**

**Show.java**

**package com.example.sqlapp;**

**import androidx.appcompat.app.AppCompatActivity;**

**import android.content.Context;**

**import android.database.Cursor;**

**import android.os.Bundle;**

**import android.view.View;**

**import android.widget.\*;**

**import android.database.sqlite.\*;**

**public class show extends AppCompatActivity {**

**SQLiteDatabase db;**

**Cursor cr;**

**TextView id, name, price, qnty, mcn;**

**ImageButton next, prev, first,last ;**

**@Override**

**protected void onCreate(Bundle savedInstanceState) {**

**super.onCreate(savedInstanceState);**

**setContentView(R.layout.activity\_show);**

**db=openOrCreateDatabase("Mydata", Context.MODE\_PRIVATE,null);**

**id = findViewById(R.id.spid);**

**name = findViewById(R.id.spname);**

**price = findViewById(R.id.spprice);**

**qnty = findViewById(R.id.spqnty);**

**mcn = findViewById(R.id.spmcn);**

**first = findViewById(R.id.sfirst);**

**last = findViewById(R.id.slast);**

**prev = findViewById(R.id.sprev);**

**next = findViewById(R.id.snext);**

**String q1="select \* from pinfo1";**

**cr=db.rawQuery(q1,null);**

**int idindex = cr.getColumnIndex("pid");**

**next.setOnClickListener(new View.OnClickListener() {**

**@Override**

**public void onClick(View v) {**

**try {**

**cr.moveToNext();**

**id.setText(cr.getString(0));**

**name.setText(cr.getString(1));**

**price.setText(cr.getString(2));**

**qnty.setText(cr.getString(3));**

**mcn.setText(cr.getString(4));**

**}**

**catch(Exception e){**

**cr.moveToLast();**

**id.setText(cr.getString(0));**

**name.setText(cr.getString(1));**

**price.setText(cr.getString(2));**

**qnty.setText(cr.getString(3));**

**mcn.setText(cr.getString(4));**

**}**

**}**

**});**

**prev.setOnClickListener(new View.OnClickListener() {**

**@Override**

**public void onClick(View view) {**

**try{**

**cr=db.rawQuery(q1,null);**

**cr.moveToPrevious();**

**id.setText(cr.getString(0));**

**name.setText(cr.getString(1));**

**price.setText(cr.getString(2));**

**qnty.setText(cr.getString(3));**

**mcn.setText(cr.getString(4));**

**}**

**catch(Exception b){**

**cr=db.rawQuery(q1,null);**

**cr.moveToFirst();**

**id.setText(cr.getString(0));**

**name.setText(cr.getString(1));**

**price.setText(cr.getString(2));**

**qnty.setText(cr.getString(3));**

**mcn.setText(cr.getString(4));**

**}**

**}**

**});**

**first.setOnClickListener(new View.OnClickListener() {**

**@Override**

**public void onClick(View view) {**

**cr=db.rawQuery(q1,null);**

**cr.moveToFirst();**

**id.setText(cr.getString(0));**

**name.setText(cr.getString(1));**

**price.setText(cr.getString(2));**

**qnty.setText(cr.getString(3));**

**mcn.setText(cr.getString(4));**

**}**

**});**

**last.setOnClickListener(new View.OnClickListener() {**

**@Override**

**public void onClick(View view) {**

**cr=db.rawQuery(q1,null);**

**cr.moveToLast();**

**id.setText(cr.getString(0));**

**name.setText(cr.getString(1));**

**price.setText(cr.getString(2));**

**qnty.setText(cr.getString(3));**

**mcn.setText(cr.getString(4));**

**}**

**});**

**}**

**}**

**activity\_update.xml**

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

**<androidx.constraintlayout.widget.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:id="@+id/uidsp"**

**android:layout\_width="match\_parent"**

**android:layout\_height="match\_parent"**

**android:backgroundTint="#00FFFFFF"**

**tools:context=".update">**

**<ImageView**

**android:id="@+id/imageView3"**

**android:layout\_width="wrap\_content"**

**android:layout\_height="wrap\_content"**

**app:srcCompat="@drawable/sql"**

**tools:layout\_editor\_absoluteX="-1dp"**

**tools:layout\_editor\_absoluteY="0dp" />**

**<EditText**

**android:id="@+id/upname"**

**android:layout\_width="wrap\_content"**

**android:layout\_height="wrap\_content"**

**android:ems="10"**

**android:inputType="textPersonName"**

**android:textColorHint="#FFFFFF"**

**app:layout\_constraintBottom\_toBottomOf="parent"**

**app:layout\_constraintEnd\_toEndOf="parent"**

**app:layout\_constraintHorizontal\_bias="0.706"**

**app:layout\_constraintStart\_toStartOf="parent"**

**app:layout\_constraintTop\_toTopOf="parent"**

**app:layout\_constraintVertical\_bias="0.335" />**

**<EditText**

**android:id="@+id/upprice"**

**android:layout\_width="wrap\_content"**

**android:layout\_height="wrap\_content"**

**android:ems="10"**

**android:inputType="number"**

**app:layout\_constraintBottom\_toBottomOf="parent"**

**app:layout\_constraintEnd\_toEndOf="parent"**

**app:layout\_constraintHorizontal\_bias="0.746"**

**app:layout\_constraintStart\_toStartOf="parent"**

**app:layout\_constraintTop\_toTopOf="parent"**

**app:layout\_constraintVertical\_bias="0.425" />**

**<EditText**

**android:id="@+id/upqnty"**

**android:layout\_width="182dp"**

**android:layout\_height="46dp"**

**android:ems="10"**

**android:inputType="number"**

**app:layout\_constraintBottom\_toBottomOf="parent"**

**app:layout\_constraintEnd\_toEndOf="parent"**

**app:layout\_constraintHorizontal\_bias="0.815"**

**app:layout\_constraintStart\_toStartOf="parent"**

**app:layout\_constraintTop\_toTopOf="parent"**

**app:layout\_constraintVertical\_bias="0.514" />**

**<EditText**

**android:id="@+id/upmcn"**

**android:layout\_width="wrap\_content"**

**android:layout\_height="wrap\_content"**

**android:ems="10"**

**android:inputType="textPersonName"**

**app:layout\_constraintBottom\_toBottomOf="parent"**

**app:layout\_constraintEnd\_toEndOf="parent"**

**app:layout\_constraintHorizontal\_bias="0.746"**

**app:layout\_constraintStart\_toStartOf="parent"**

**app:layout\_constraintTop\_toTopOf="parent"**

**app:layout\_constraintVertical\_bias="0.603" />**

**<ImageButton**

**android:id="@+id/update"**

**android:layout\_width="wrap\_content"**

**android:layout\_height="wrap\_content"**

**android:backgroundTint="#00FFFFFF"**

**app:layout\_constraintBottom\_toBottomOf="parent"**

**app:layout\_constraintEnd\_toEndOf="parent"**

**app:layout\_constraintHorizontal\_bias="0.497"**

**app:layout\_constraintStart\_toStartOf="parent"**

**app:layout\_constraintTop\_toTopOf="parent"**

**app:layout\_constraintVertical\_bias="0.744"**

**app:srcCompat="@drawable/updateb" />**

**<Spinner**

**android:id="@+id/spinner"**

**android:layout\_width="242dp"**

**android:layout\_height="29dp"**

**android:popupBackground="#F1BBC4"**

**app:layout\_constraintBottom\_toBottomOf="parent"**

**app:layout\_constraintEnd\_toEndOf="parent"**

**app:layout\_constraintHorizontal\_bias="0.739"**

**app:layout\_constraintStart\_toStartOf="parent"**

**app:layout\_constraintTop\_toTopOf="parent"**

**app:layout\_constraintVertical\_bias="0.262" />**

**</androidx.constraintlayout.widget.ConstraintLayout>**

**Update.java**

**package com.example.sqlapp;**

**import androidx.appcompat.app.AppCompatActivity;**

**import android.content.ContentValues;**

**import android.content.Context;**

**import android.database.Cursor;**

**import android.os.Bundle;**

**import android.view.View;**

**import android.widget.\*;**

**import android.database.sqlite.\*;**

**import java.lang.reflect.Array;**

**import java.util.ArrayList;**

**import java.util.List;**

**public class update extends AppCompatActivity {**

**Spinner updatesp;**

**SQLiteDatabase db;**

**Cursor cr;**

**ImageButton bupdate;**

**List<String> theID=new ArrayList<String>();**

**EditText upname, upprice, upqnty, upmcn;**

**@Override**

**protected void onCreate(Bundle savedInstanceState) {**

**super.onCreate(savedInstanceState);**

**setContentView(R.layout.activity\_update);**

**updatesp = findViewById(R.id.spinner);**

**bupdate = findViewById(R.id.update);**

**upname = findViewById(R.id.upname);**

**upprice = findViewById(R.id.upprice);**

**upqnty = findViewById(R.id.upqnty);**

**upmcn = findViewById(R.id.upmcn);**

**db=openOrCreateDatabase("Mydata", Context.MODE\_PRIVATE,null);**

**String listPIDquery="select \* from pinfo1";**

**cr=db.rawQuery(listPIDquery,null);**

**cr.moveToFirst();**

**int RowCount = cr.getCount();**

**for(int i=0; i<RowCount;i++)**

**{**

**theID.add(cr.getString(0));**

**cr.moveToNext();**

**}**

**ArrayAdapter<String> theSpinner = new ArrayAdapter<String>(getApplicationContext(), android.R.layout.simple\_spinner\_item,theID);**

**theSpinner.setDropDownViewResource(android.R.layout.simple\_spinner\_dropdown\_item);**

**updatesp.setAdapter(theSpinner);**

**updatesp.setOnItemSelectedListener(new AdapterView.OnItemSelectedListener() {**

**@Override**

**public void onItemSelected(AdapterView<?> adapterView, View view, int i, long l) {**

**cr.moveToPosition(i);**

**upname.setText(cr.getString(1));**

**upprice.setText(cr.getString(2));**

**upqnty.setText(cr.getString(3));**

**upmcn.setText(cr.getString(4));**

**bupdate.setOnClickListener(new View.OnClickListener() {**

**@Override**

**public void onClick(View view) {**

**String name = upname.getText().toString();**

**int qnty = Integer.parseInt(upqnty.getText().toString());**

**int price = Integer.parseInt(upprice.getText().toString());**

**String mcn = upmcn.getText().toString();**

**ContentValues cv = new ContentValues();**

**cv.put("pname",name);**

**cv.put("price",price);**

**cv.put("pqnty",qnty);**

**cv.put("pmcn",mcn);**

**db.update("pinfo1",cv,"pid=?",new String[]{cr.getString(0)});**

**Toast.makeText(getApplicationContext(),"Product Updated!", Toast.LENGTH\_LONG).show();**

**finish();**

**}**

**});**

**}**

**@Override**

**public void onNothingSelected(AdapterView<?> adapterView) {**

**}**

**});**

**}**

**}**

**activity\_delete.xml**

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

**<androidx.constraintlayout.widget.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=".delete">**

**<ImageView**

**android:id="@+id/imageView4"**

**android:layout\_width="wrap\_content"**

**android:layout\_height="wrap\_content"**

**app:srcCompat="@drawable/delete"**

**tools:layout\_editor\_absoluteX="0dp"**

**tools:layout\_editor\_absoluteY="0dp" />**

**<Spinner**

**android:id="@+id/deletesp"**

**android:layout\_width="240dp"**

**android:layout\_height="29dp"**

**android:popupBackground="#F1BBC4"**

**app:layout\_constraintBottom\_toBottomOf="parent"**

**app:layout\_constraintEnd\_toEndOf="parent"**

**app:layout\_constraintHorizontal\_bias="0.728"**

**app:layout\_constraintStart\_toStartOf="parent"**

**app:layout\_constraintTop\_toTopOf="parent"**

**app:layout\_constraintVertical\_bias="0.385" />**

**<ImageButton**

**android:id="@+id/deleteb"**

**android:layout\_width="170dp"**

**android:layout\_height="55dp"**

**android:backgroundTint="#00FFFFFF"**

**app:layout\_constraintBottom\_toBottomOf="@+id/imageView4"**

**app:layout\_constraintEnd\_toEndOf="parent"**

**app:layout\_constraintHorizontal\_bias="0.502"**

**app:layout\_constraintStart\_toStartOf="parent"**

**app:layout\_constraintTop\_toTopOf="parent"**

**app:layout\_constraintVertical\_bias="0.594"**

**app:srcCompat="@drawable/deleteb" />**

**</androidx.constraintlayout.widget.ConstraintLayout>**

**Delete.java**

**package com.example.sqlapp;**

**import androidx.appcompat.app.AppCompatActivity;**

**import android.content.Context;**

**import android.database.Cursor;**

**import android.os.Bundle;**

**import android.view.View;**

**import android.widget.\*;**

**import android.database.sqlite.\*;**

**import java.lang.reflect.Array;**

**import java.util.ArrayList;**

**import java.util.List;**

**public class delete extends AppCompatActivity {**

**Spinner deletesp;**

**SQLiteDatabase db;**

**Cursor cr;**

**ImageButton deleteb;**

**String[] theIDs;**

**TextView textView;**

**List<String> theID=new ArrayList<String>();**

**@Override**

**protected void onCreate(Bundle savedInstanceState) {**

**super.onCreate(savedInstanceState);**

**setContentView(R.layout.activity\_delete);**

**deletesp = findViewById(R.id.deletesp);**

**deleteb = findViewById(R.id.deleteb);**

**db=openOrCreateDatabase("Mydata", Context.MODE\_PRIVATE,null);**

**String listPIDquery="select \* from pinfo1";cr=db.rawQuery(listPIDquery,null);**

**cr.moveToFirst();**

**int RowCount = cr.getCount();**

**for(int i=0; i<RowCount;i++)**

**{**

**theID.add(cr.getString(0));**

**cr.moveToNext();**

**}**

**theIDs = theID.toArray(new String[theID.size()]);**

**ArrayAdapter<String> theSpinner = new ArrayAdapter<String>(getApplicationContext(), android.R.layout.simple\_spinner\_item,theIDs);**

**theSpinner.setDropDownViewResource(android.R.layout.simple\_spinner\_dropdown\_item);**

**deletesp.setAdapter(theSpinner);**

**deletesp.setOnItemSelectedListener(new AdapterView.OnItemSelectedListener() {**

**@Override**

**public void onItemSelected(AdapterView<?> adapterView, View view, int i, long l) {**

**cr.moveToPosition(i);**

**}**

**@Override**

**public void onNothingSelected(AdapterView<?> adapterView) {**

**}**

**});**

**deleteb.setOnClickListener(new View.OnClickListener() {**

**@Override**

**public void onClick(View view) {**

**db.delete("pinfo1", "pid=?", new String[]{cr.getString(0)});**

**Toast.makeText(getApplicationContext(),cr.getString(1)+" deleted",Toast.LENGTH\_LONG).show();**

**finish();**

**overridePendingTransition( 0, 0);**

**startActivity(getIntent());**

**overridePendingTransition( 0, 0);**

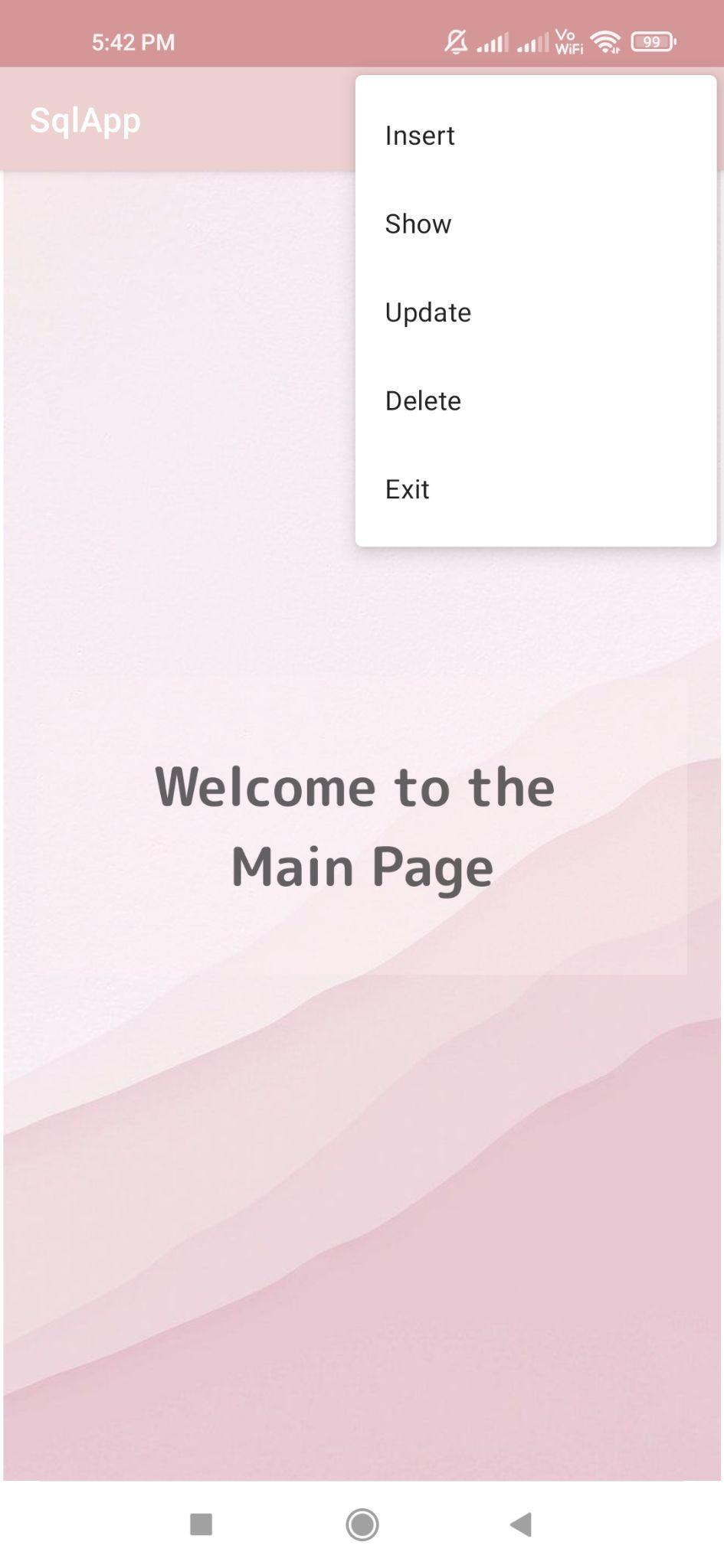
**}**

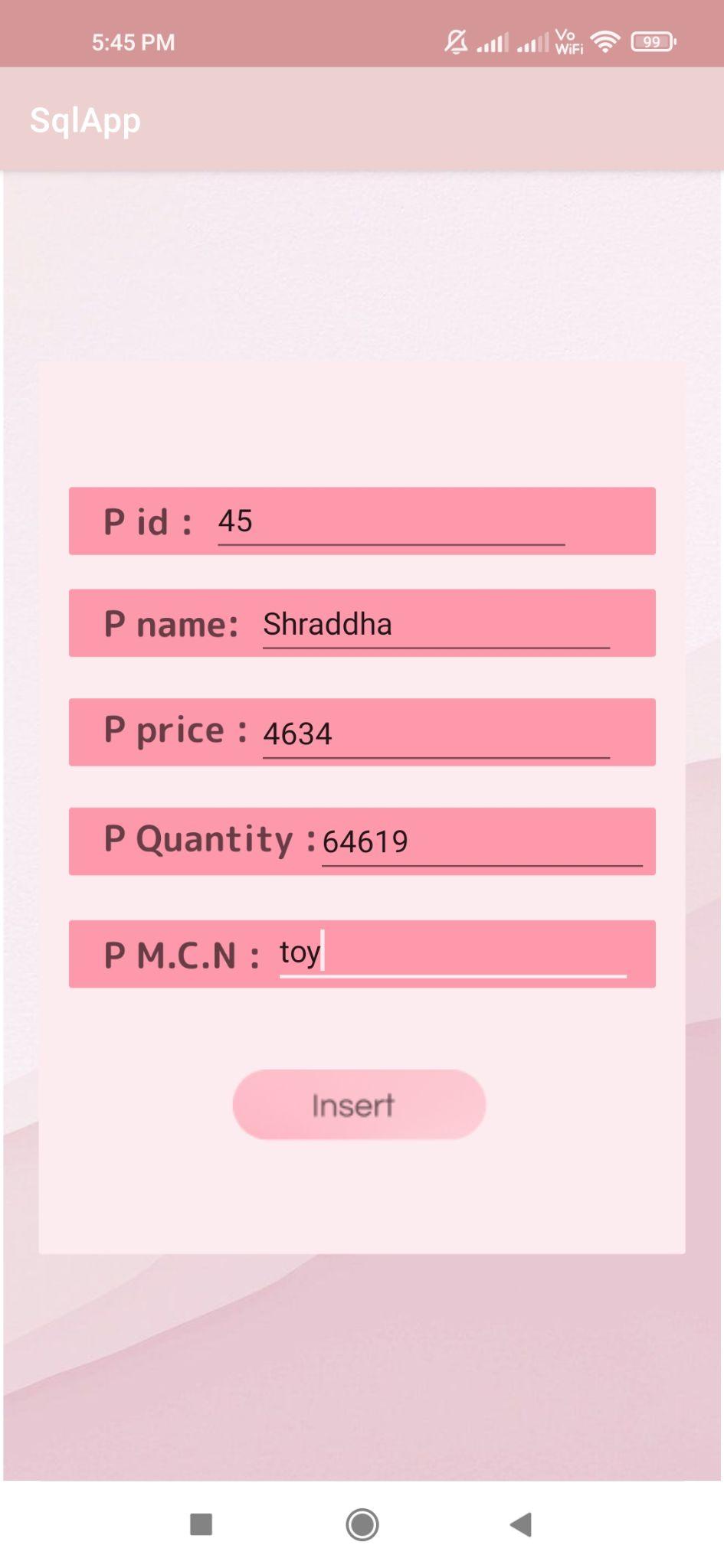
**});**

**}**

**}**

**Result:**

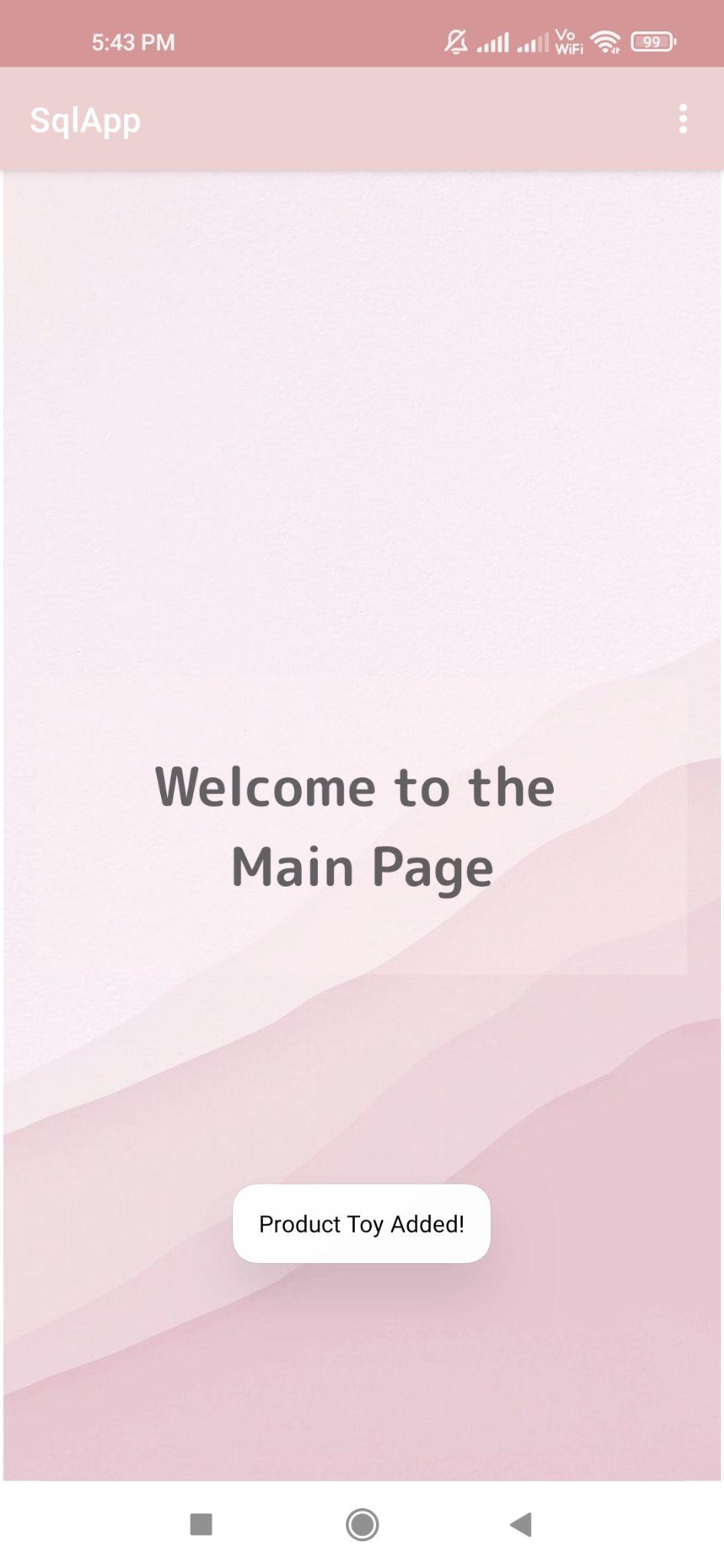
****

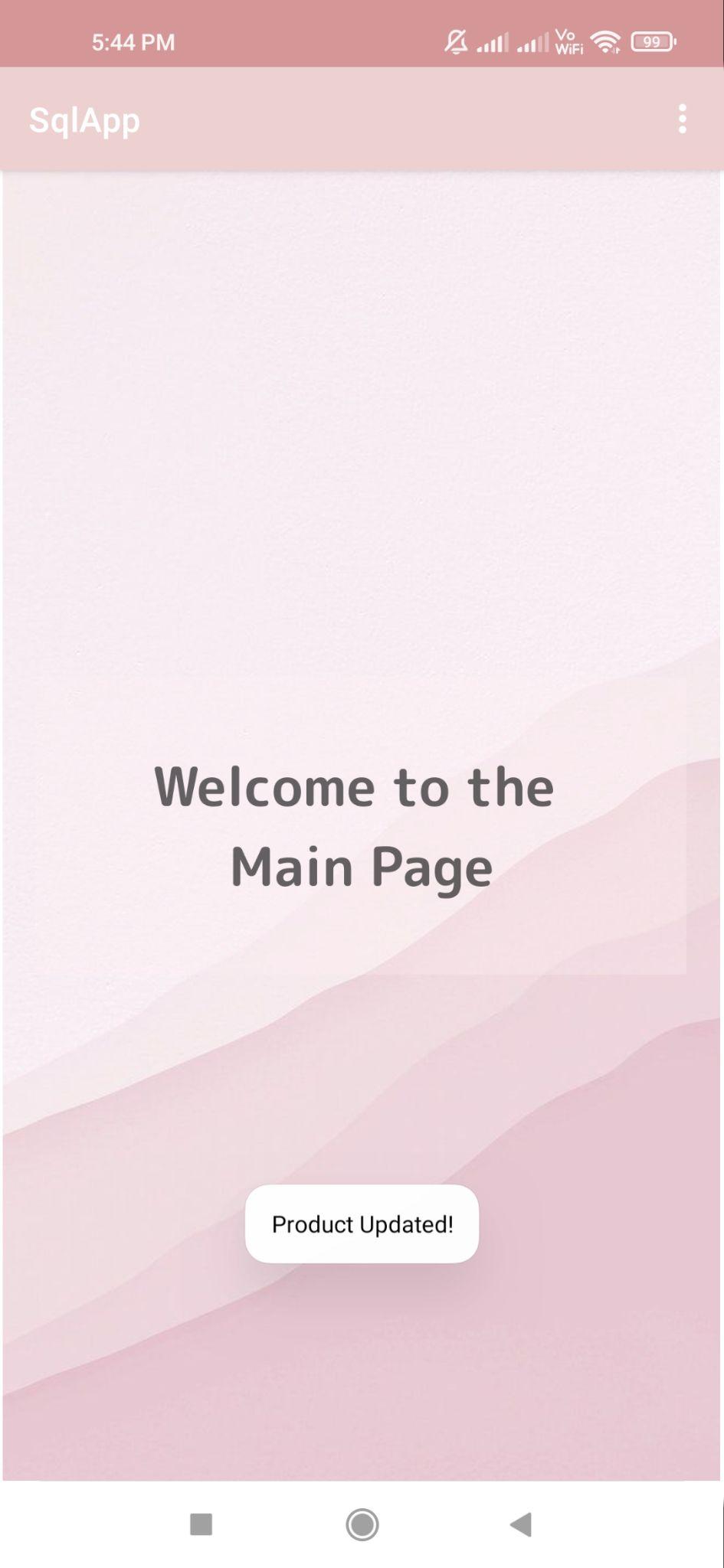
****

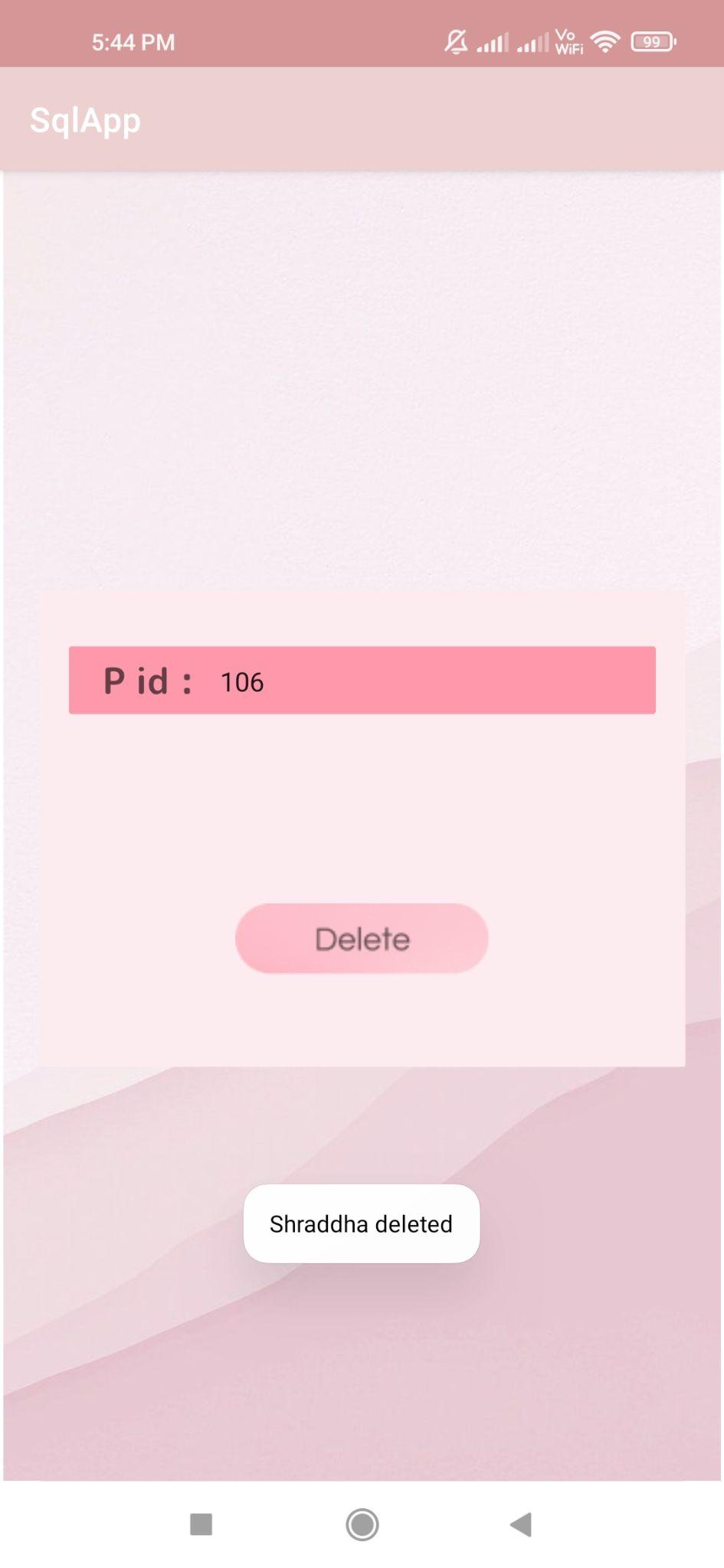
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