Complete your Gift Ordering App with Facebook Login and submit here  
You need to include

* Sell 5 items
* 3 checkbox
* 2 radio group with 5 radio button
* menu with 3 menu item
* spinner with 5 item inside
* Notification with proper purpose

Record a video to do a presentation for your app

Diagram

Description automatically generated

A screenshot of a cell phone

Description automatically generated with medium confidence

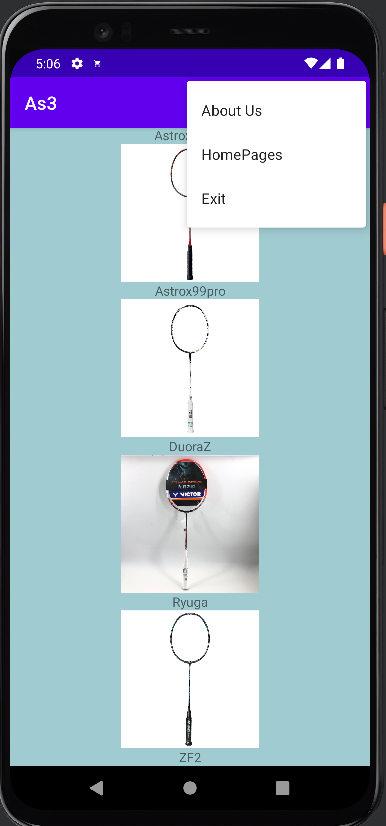
**Activity\_main.xml**

<?xml version="1.0" encoding="utf-8"?>  
<LinearLayout 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="#A0CBD1"  
 android:orientation="vertical"  
 tools:context=".MainActivity">  
  
 <ScrollView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content">  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical">  
  
 <LinearLayout  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical">  
  
 <ImageView  
 android:id="@+id/imageView"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="150dp"  
 android:clickable="false"  
 android:onClick="racket1"  
 app:srcCompat="@drawable/as100zz" />  
  
 <TextView  
 android:id="@+id/textView"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Astrox100zz"  
 android:textAlignment="center" />  
 </LinearLayout>  
  
 <LinearLayout  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical">  
  
 <ImageView  
 android:id="@+id/imageView2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="150dp"  
 android:clickable="false"  
 android:onClick="racket2"  
 app:srcCompat="@drawable/as99pro" />  
  
 <TextView  
 android:id="@+id/textView2"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Astrox99pro"  
 android:textAlignment="center" />  
  
 </LinearLayout>  
  
 <LinearLayout  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical">  
  
 <ImageView  
 android:id="@+id/imageView3"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="150dp"  
 android:onClick="racket3"  
 app:srcCompat="@drawable/duoraz" />  
  
 <TextView  
 android:id="@+id/textView3"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="DuoraZ"  
 android:textAlignment="center" />  
 </LinearLayout>  
  
 <LinearLayout  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical">  
  
 <ImageView  
 android:id="@+id/imageView4"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="150dp"  
 android:onClick="racket4"  
 app:srcCompat="@drawable/ryuga" />  
  
 <TextView  
 android:id="@+id/textView4"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Ryuga"  
 android:textAlignment="center" />  
 </LinearLayout>  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical">  
  
 <ImageView  
 android:id="@+id/imageView5"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="150dp"  
 android:onClick="racket5"  
 app:srcCompat="@drawable/zf2" />  
  
 <TextView  
 android:id="@+id/textView5"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="ZF2"  
 android:textAlignment="center" />  
 </LinearLayout>  
  
 </LinearLayout>  
 </ScrollView>  
</LinearLayout>

**MainActivity.kt**

package com.example.as3  
  
import android.content.Intent  
import androidx.appcompat.app.AppCompatActivity  
import android.os.Bundle  
import android.view.Menu  
import android.view.MenuInflater  
import android.view.MenuItem  
import android.view.View  
import kotlin.system.exitProcess  
  
class MainActivity : AppCompatActivity() {  
 override fun onCreate(savedInstanceState: Bundle?) {  
 super.onCreate(savedInstanceState)  
 setContentView(R.layout.*activity\_main*)  
 }  
 override fun onCreateOptionsMenu(menu: Menu): Boolean {  
 val inflater: MenuInflater = *menuInflater* inflater.inflate(R.menu.*menu*,menu)  
 return true  
 }  
  
 override fun onOptionsItemSelected(item: MenuItem): Boolean {  
 // Handle item selection  
 return when (item.*itemId*) {  
 R.id.*about* ->{  
 val intent = Intent(this, About\_Us::class.*java*)  
 startActivity(intent)  
 true  
 }  
 R.id.*Exit* ->{  
 finish()  
 *exitProcess*(0)  
 true  
 }  
 else ->super.onOptionsItemSelected(item)  
 }  
 }  
 fun racket1(view: View) {  
 val intent = Intent(this, racket1::class.*java*)  
 startActivity(intent)  
  
}  
 fun racket2(view: View) {  
 val intent = Intent(this, racket2::class.*java*)  
 startActivity(intent)  
  
 }  
 fun racket3(view: View) {  
 val intent = Intent(this, racket3::class.*java*)  
 startActivity(intent)  
  
 }  
 fun racket4(view: View) {  
 val intent = Intent(this, racket4::class.*java*)  
 startActivity(intent)  
  
 }  
 fun racket5(view: View) {  
 val intent = Intent(this, racket5::class.*java*)  
 startActivity(intent)  
  
 }  
}

**Menu**



**menu.xml**

<?xml version="1.0" encoding="utf-8"?>  
<menu xmlns:android="http://schemas.android.com/apk/res/android">  
  
 <item  
 android:id="@+id/about"  
 android:title="About Us" />  
 <item  
 android:id="@+id/home"  
 android:title="HomePages" />  
 <item  
 android:id="@+id/Exit"  
 android:title="Exit" />  
</menu>

A screenshot of a phone

Description automatically generated with low confidence

**Activity\_about\_us.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"  
 android:background="#CFECAE"  
 tools:context=".About\_Us">  
  
 <TextView  
 android:id="@+id/textView6"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginBottom="68dp"  
 android:text="About US"  
 android:textSize="60sp"  
 app:layout\_constraintBottom\_toTopOf="@+id/linearLayout"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent" />  
  
 <LinearLayout  
 android:id="@+id/linearLayout"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent">  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="horizontal">  
  
 <TextView  
 android:id="@+id/textView2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:text="Company Name:"  
 android:textAlignment="center"  
 android:textSize="25sp" />  
  
 <TextView  
 android:id="@+id/textView3"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:text="Hao Badminton Shop"  
 android:textAlignment="center"  
 android:textSize="25sp" />  
 </LinearLayout>  
  
 </LinearLayout>  
  
</androidx.constraintlayout.widget.ConstraintLayout>

**activity\_racket1.xml**

A screenshot of a phone

Description automatically generated with medium confidence

<?xml version="1.0" encoding="utf-8"?>  
<LinearLayout 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:orientation="vertical"  
 tools:context=".racket1">  
  
 <ScrollView  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent">  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical" >  
  
 <LinearLayout  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical">  
  
 <ImageView  
 android:id="@+id/racket1"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="150dp"  
 app:srcCompat="@drawable/as100zz" />  
  
 <TextView  
 android:id="@+id/textViewPrice"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Astrox100zz"  
 android:textAlignment="center" />  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="horizontal">  
  
 <Button  
 android:id="@+id/Button"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:onClick="increaseQuantity"  
 android:text="+" />  
  
 <TextView  
 android:id="@+id/textViewQuantity"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:text="0"  
 android:textAlignment="center" />  
  
 <Button  
 android:id="@+id/buttonDecrease"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:enabled="false"  
 android:onClick="decreaseQuantity"  
 android:text="-" />  
 </LinearLayout>  
  
 <Spinner  
 android:id="@+id/item\_color"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:minHeight="48dp" />  
  
 <CheckBox  
 android:id="@+id/checkBox1"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Yonex Bg66" />  
  
 <CheckBox  
 android:id="@+id/checkBox2"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Yonex Bg65Ti" />  
  
 <CheckBox  
 android:id="@+id/checkBox3"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Victor VBS-66" />  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal">  
  
 <RadioGroup  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="horizontal">  
  
 <RadioButton  
 android:id="@+id/radioButton3"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:text="No (Rm0.00)" />  
  
 <RadioButton  
 android:id="@+id/radioButton4"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:text="With Grip(Rm9.00)" />  
 </RadioGroup>  
  
 </LinearLayout>  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="0"  
 android:orientation="horizontal">  
  
 <RadioGroup  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:layout\_weight="0"  
 android:orientation="horizontal">  
  
 <RadioButton  
 android:id="@+id/radioButton"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:text="Bag(Rm2.00)" />  
  
 <RadioButton  
 android:id="@+id/radioButton2"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:text="Bubble Wrap(Rm1.00)" />  
  
 <RadioButton  
 android:id="@+id/radioButton5"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:text="Box(Rm1.00)" />  
  
 </RadioGroup>  
  
 </LinearLayout>  
 </LinearLayout>  
  
 <EditText  
 android:id="@+id/textViewTotal"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:ems="10"  
 android:hint="Total Price"  
 android:inputType="textPersonName" />  
  
 <EditText  
 android:id="@+id/editTextPayment"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:ems="10"  
 android:inputType="number" />  
  
 <Button  
 android:id="@+id/buttonpay"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:enabled="false"  
 android:onClick="payment"  
 android:text="Pay" />  
  
 <EditText  
 android:id="@+id/textViewChange"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:ems="10"  
 android:hint="Change"  
 android:inputType="textPersonName" />  
  
 <Button  
 android:id="@+id/buttonOrder"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:onClick="nextOrder"  
 android:text="Next Order" />  
  
</LinearLayout>  
 </ScrollView>  
</LinearLayout>

**Racket1.kt**

package com.example.as3  
  
import android.app.NotificationChannel  
import android.app.NotificationManager  
import android.content.Context  
import android.content.Intent  
import android.graphics.Paint  
import android.os.Build  
import androidx.appcompat.app.AppCompatActivity  
import android.os.Bundle  
import android.text.Editable  
import android.text.TextWatcher  
import android.view.Menu  
import android.view.MenuInflater  
import android.view.View  
import android.widget.\*  
import androidx.core.app.NotificationCompat  
import androidx.core.app.NotificationManagerCompat  
import java.text.NumberFormat  
import java.util.\*  
  
class racket1 : AppCompatActivity(), AdapterView.OnItemSelectedListener {  
  
 var buttonDecrease: Button?=null  
 var qty=0  
 var gift:Gift=Gift()  
 var editTextPayment: EditText?=null  
 var buttonpay: Button?=null  
 lateinit var checkBox1: CheckBox  
 lateinit var checkBox2: CheckBox  
 lateinit var checkBox3: CheckBox  
 lateinit var radioButton: RadioButton  
 lateinit var radioButton2: RadioButton  
 lateinit var radioButton3: RadioButton  
 lateinit var radioButton4: RadioButton  
 lateinit var radioButton5: RadioButton  
 var totalPrice = 0  
  
  
 override fun onCreate(savedInstanceState: Bundle?) {  
 super.onCreate(savedInstanceState)  
 setContentView(R.layout.*activity\_racket1*)  
 createNotificationChannel()  
 buttonDecrease = findViewById<Button>(R.id.*buttonDecrease*)  
 buttonpay = findViewById<Button>(R.id.*buttonpay*)  
 editTextPayment = findViewById<EditText>(R.id.*editTextPayment*)  
 val textViewPrice = findViewById<TextView>(R.id.*textViewPrice*)  
 gift.price = 600.00;  
  
  
 //textViewPrice.text=gift.price.toString()  
 //set country for your app,set your location to Malaysia  
 val locale = Locale("en", "MY")  
 Locale.setDefault(locale)  
 textViewPrice.*text* = NumberFormat.getCurrencyInstance().format(gift.price)  
  
 //set edit text changed function for payment  
 editTextPayment?.addTextChangedListener(object : TextWatcher {  
  
 override fun afterTextChanged(s: Editable) {}  
  
 override fun beforeTextChanged(  
 s: CharSequence, start: Int,  
 before: Int, count: Int  
 ) {  
 }  
  
 override fun onTextChanged(  
 s: CharSequence, start: Int,  
 before: Int, count: Int  
 ) {  
  
 if (editTextPayment?.*text*?.*isEmpty*() == false) {  
 buttonpay?.*isEnabled* =  
 editTextPayment?.*text*.*toString*().*toDouble*() >= gift.calculateTotal(qty)  
 }  
 }  
 })  
  
 val colour = *resources*.getStringArray(R.array.*item\_color*)  
 val spin = findViewById<Spinner>(R.id.*item\_color*)  
 if(spin != null) {val adapter = ArrayAdapter(this, android.R.layout.*simple\_spinner\_item*, colour)  
 spin.*adapter* = adapter  
 spin.*onItemSelectedListener* = object : AdapterView.OnItemSelectedListener{  
 override fun onItemSelected(p0: AdapterView<\*>, p1: View?, p2: Int, p3: Long)  
 {  
 Toast.makeText(this@racket1, getString(R.string.*selected\_item*) + "" + "" + colour[p2], Toast.*LENGTH\_SHORT*)  
 }  
  
 override fun onNothingSelected(p0: AdapterView<\*>?) {  
 *TODO*("Not yet implemented")  
 }  
 }  
 }  
  
  
 checkBox1=findViewById(R.id.*checkBox1*)  
 checkBox1.setOnClickListener **{** displayTotalPrice()  
 **}** checkBox2=findViewById(R.id.*checkBox2*)  
 checkBox2.setOnClickListener **{** displayTotalPrice()  
 **}** checkBox3=findViewById(R.id.*checkBox3*)  
 checkBox3.setOnClickListener **{** displayTotalPrice()  
 **}** radioButton = findViewById(R.id.*radioButton*)  
 radioButton2 = findViewById(R.id.*radioButton2*)  
 radioButton3 = findViewById(R.id.*radioButton3*)  
 radioButton4 = findViewById(R.id.*radioButton4*)  
 radioButton5 = findViewById(R.id.*radioButton5*)  
  
 radioButton.setOnClickListener **{** displayTotalPrice()  
 **}** radioButton2.setOnClickListener **{** displayTotalPrice()  
  
 **}** radioButton3.setOnClickListener **{** displayTotalPrice()  
 **}** radioButton4.setOnClickListener **{** displayTotalPrice()  
 **}** radioButton5.setOnClickListener **{** displayTotalPrice()  
 **}** }  
  
 //create a function to increase quantity  
 fun increaseQuantity(view: View) {  
 //get the textview of quantity  
 val textViewQty = findViewById<TextView>(R.id.*textViewQuantity*);  
 //get the value of quantity  
 qty = textViewQty.*text*.toString().*toInt*();  
 //increase qty by 1  
 qty=qty+1  
 //set qty to textViewQty  
 textViewQty.*text* = qty.toString()  
 //enable to decrease qty button  
 buttonDecrease?.*isEnabled*=true  
 displayTotalPrice();  
 }  
  
  
 //create a function to decrease quantity  
 fun decreaseQuantity(view: View) {  
 val textViewQty = findViewById<TextView>(R.id.*textViewQuantity*);  
 qty = textViewQty.*text*.toString().*toInt*();  
 qty -= 1;  
 textViewQty.*text* = qty.toString()  
 displayTotalPrice();  
 if (qty == 0) {  
 buttonDecrease?.*isEnabled* = false  
  
 //call display price  
 displayTotalPrice();  
 }  
  
 }  
  
  
 fun displayTotalPrice() {  
 //get the textview of totalprice  
 totalPrice = gift.calculateTotal(qty).toInt()  
 if (checkBox1.*isChecked*)  
 {  
 totalPrice += 30 \* qty  
 }  
 if (checkBox2.*isChecked*)  
 {  
 totalPrice += 35 \* qty  
 }  
 if (checkBox3.*isChecked*)  
 {  
 totalPrice += 40 \* qty  
 }  
 if(radioButton.*isChecked*)  
 {  
 totalPrice += 2  
 }  
 if(radioButton2.*isChecked*)  
 {  
 totalPrice += 1  
 }  
 if(radioButton3.*isChecked*)  
 {  
 totalPrice += 1  
 }  
 if(radioButton4.*isChecked*)  
 {  
 totalPrice += 9  
 }  
 if(radioButton5.*isChecked*)  
 {  
 totalPrice += 1  
 }  
 val textViewTotal = findViewById<TextView>(R.id.*textViewTotal*)  
 textViewTotal.*text* = NumberFormat.getCurrencyInstance().format(totalPrice)  
 }  
  
 fun payment(view: View)  
 {  
 //get the view of editTextPayment  
 val editTextPayment=findViewById<EditText>(R.id.*editTextPayment*)  
 //get value from editTextPayment  
 var pay=editTextPayment.*text*.toString().*toDouble*()  
 //calculate change  
 var change=pay- totalPrice  
 //get view of textview change  
 val textViewChange=findViewById<TextView>(R.id.*textViewChange*)  
 //display change in textview change  
 textViewChange.*text*= NumberFormat.getCurrencyInstance().format(change)  
  
 if(change<0)  
 {  
 Toast.makeText(this,"payment not enough", Toast.*LENGTH\_SHORT*).show()  
 }  
 else  
 {  
 //display change in textview change  
 textViewChange.*text*= NumberFormat.getCurrencyInstance().format(change)  
 //to underline text  
 textViewChange.*paintFlags* = Paint.*UNDERLINE\_TEXT\_FLAG* }  
  
 var builder = NotificationCompat.Builder(this, "ID1")  
 .setSmallIcon(R.drawable.*payment\_foreground*)  
 .setContentTitle("Payment Successful")  
 .setContentText("Thank You, please come again!")  
 .setPriority(NotificationCompat.*PRIORITY\_DEFAULT*)  
  
 *with*(NotificationManagerCompat.from(this)) **{** // notificationId is a unique int for each notification that you must define  
 notify(1, builder.build())  
 **}** }  
  
 //To-D0:  
 //Create a nextOrder function  
 //reset quantity  
 //reset total price  
 //reset payment  
 //reset change  
  
 fun nextOrder(view: View)  
 {  
 val intent = Intent(this, MainActivity::class.*java*)  
 startActivity(intent)  
 }  
  
 override fun onCreateOptionsMenu(menu: Menu?): Boolean {  
 val inflater: MenuInflater = *menuInflater* inflater.inflate(R.menu.*menu*, menu)  
 return true  
 }  
  
 private fun createNotificationChannel() {  
 // Create the NotificationChannel, but only on API 26+ because  
 // the NotificationChannel class is new and not in the support library  
 if (Build.VERSION.*SDK\_INT* >= Build.VERSION\_CODES.*O*) {  
 val name = "Channel Name"  
 val descriptionText = "Channel Description"  
 val importance = NotificationManager.*IMPORTANCE\_DEFAULT* val channel = NotificationChannel("ID1", name, importance).*apply* **{** *description* = descriptionText  
 **}** // Register the channel with the system  
 val notificationManager: NotificationManager =  
 getSystemService(Context.*NOTIFICATION\_SERVICE*) as NotificationManager  
 notificationManager.createNotificationChannel(channel)  
 }  
 }  
  
 override fun onItemSelected(p0: AdapterView<\*>?, p1: View?, p2: Int, p3: Long) {  
 val spinner : Spinner = findViewById(R.id.*item\_color*)  
 val imageViewItem: ImageView = findViewById(R.id.*racket*)  
  
 when (p2) {  
 0 ->{  
 Toast.makeText(this,spinner.*selectedItem*.toString(), Toast.*LENGTH\_LONG*).show()  
  
 true  
 }  
 1 ->{  
 Toast.makeText(this,spinner.*selectedItem*.toString(), Toast.*LENGTH\_LONG*).show()  
  
 true  
 }  
 2 ->{  
 Toast.makeText(this,spinner.*selectedItem*.toString(), Toast.*LENGTH\_LONG*).show()  
  
 true  
 }  
 3 ->{  
 Toast.makeText(this,spinner.*selectedItem*.toString(), Toast.*LENGTH\_LONG*).show()  
  
 true  
 }  
 4 ->{  
 Toast.makeText(this,spinner.*selectedItem*.toString(), Toast.*LENGTH\_LONG*).show()  
  
 true  
 }  
 }  
 }  
  
 override fun onNothingSelected(p0: AdapterView<\*>?) {  
 *TODO*("Not yet implemented")  
 }  
  
}

**activity\_racket2.xml**

Graphical user interface, application, Teams

Description automatically generated

<?xml version="1.0" encoding="utf-8"?>  
<LinearLayout 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:orientation="vertical"  
 tools:context=".racket2">  
  
 <ScrollView  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent">  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical" >  
  
 <LinearLayout  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical">  
  
 <ImageView  
 android:id="@+id/racket"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="150dp"  
 app:srcCompat="@drawable/as99pro" />  
  
 <TextView  
 android:id="@+id/textViewPrice"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Astrox99pro"  
 android:textAlignment="center" />  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="horizontal">  
  
 <Button  
 android:id="@+id/Button"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:onClick="increaseQuantity"  
 android:text="+" />  
  
 <TextView  
 android:id="@+id/textViewQuantity"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:text="0"  
 android:textAlignment="center" />  
  
 <Button  
 android:id="@+id/buttonDecrease"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:enabled="false"  
 android:onClick="decreaseQuantity"  
 android:text="-" />  
 </LinearLayout>  
  
 <Spinner  
 android:id="@+id/item\_color"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:minHeight="48dp" />  
  
 <CheckBox  
 android:id="@+id/checkBox1"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Yonex Bg66" />  
  
 <CheckBox  
 android:id="@+id/checkBox2"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Yonex Bg65Ti" />  
  
 <CheckBox  
 android:id="@+id/checkBox3"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Victor VBS-66" />  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal">  
  
 <RadioGroup  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="horizontal">  
  
 <RadioButton  
 android:id="@+id/radioButton3"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:text="No (Rm0.00)" />  
  
 <RadioButton  
 android:id="@+id/radioButton4"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:text="With Grip(Rm9.00)" />  
 </RadioGroup>  
  
 </LinearLayout>  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="0"  
 android:orientation="horizontal">  
  
 <RadioGroup  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:layout\_weight="0"  
 android:orientation="horizontal">  
  
 <RadioButton  
 android:id="@+id/radioButton"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:text="Bag(Rm2.00)" />  
  
 <RadioButton  
 android:id="@+id/radioButton2"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:text="Bubble Wrap(Rm1.00)" />  
  
 <RadioButton  
 android:id="@+id/radioButton5"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:text="Box(Rm1.00)" />  
  
 </RadioGroup>  
  
 </LinearLayout>  
 </LinearLayout>  
  
 <EditText  
 android:id="@+id/textViewTotal"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:ems="10"  
 android:hint="Total Price"  
 android:inputType="textPersonName" />  
  
 <EditText  
 android:id="@+id/editTextPayment"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:ems="10"  
 android:inputType="number" />  
  
 <Button  
 android:id="@+id/buttonpay"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:enabled="false"  
 android:onClick="payment"  
 android:text="Pay" />  
  
 <EditText  
 android:id="@+id/textViewChange"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:ems="10"  
 android:hint="Change"  
 android:inputType="textPersonName" />  
  
 <Button  
 android:id="@+id/buttonOrder"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:onClick="nextOrder"  
 android:text="Next Order" />  
  
 </LinearLayout>  
 </ScrollView>  
</LinearLayout>

**Racket2.kt**

package com.example.as3  
  
import android.app.NotificationChannel  
import android.app.NotificationManager  
import android.content.Context  
import android.content.Intent  
import android.graphics.Paint  
import android.os.Build  
import androidx.appcompat.app.AppCompatActivity  
import android.os.Bundle  
import android.text.Editable  
import android.text.TextWatcher  
import android.view.Menu  
import android.view.MenuInflater  
import android.view.View  
import android.widget.\*  
import androidx.core.app.NotificationCompat  
import androidx.core.app.NotificationManagerCompat  
import java.text.NumberFormat  
import java.util.\*  
  
class racket2 : AppCompatActivity(), AdapterView.OnItemSelectedListener {  
  
 var buttonDecrease: Button?=null  
 var qty=0  
 var gift:Gift=Gift()  
 var editTextPayment: EditText?=null  
 var buttonpay: Button?=null  
 lateinit var checkBox1: CheckBox  
 lateinit var checkBox2: CheckBox  
 lateinit var checkBox3: CheckBox  
 lateinit var radioButton: RadioButton  
 lateinit var radioButton2: RadioButton  
 lateinit var radioButton3: RadioButton  
 lateinit var radioButton4: RadioButton  
 lateinit var radioButton5: RadioButton  
 var totalPrice = 0  
  
  
 override fun onCreate(savedInstanceState: Bundle?) {  
 super.onCreate(savedInstanceState)  
 setContentView(R.layout.*activity\_racket2*)  
 createNotificationChannel()  
 buttonDecrease = findViewById<Button>(R.id.*buttonDecrease*)  
 buttonpay = findViewById<Button>(R.id.*buttonpay*)  
 editTextPayment = findViewById<EditText>(R.id.*editTextPayment*)  
 val textViewPrice = findViewById<TextView>(R.id.*textViewPrice*)  
 gift.price = 600.00;  
  
  
 //textViewPrice.text=gift.price.toString()  
 //set country for your app,set your location to Malaysia  
 val locale = Locale("en", "MY")  
 Locale.setDefault(locale)  
 textViewPrice.*text* = NumberFormat.getCurrencyInstance().format(gift.price)  
  
 //set edit text changed function for payment  
 editTextPayment?.addTextChangedListener(object : TextWatcher {  
  
 override fun afterTextChanged(s: Editable) {}  
  
 override fun beforeTextChanged(  
 s: CharSequence, start: Int,  
 before: Int, count: Int  
 ) {  
 }  
  
 override fun onTextChanged(  
 s: CharSequence, start: Int,  
 before: Int, count: Int  
 ) {  
  
 if (editTextPayment?.*text*?.*isEmpty*() == false) {  
 buttonpay?.*isEnabled* =  
 editTextPayment?.*text*.*toString*().*toDouble*() >= gift.calculateTotal(qty)  
 }  
 }  
 })  
  
 val colour = *resources*.getStringArray(R.array.*item\_color*)  
 val spin = findViewById<Spinner>(R.id.*item\_color*)  
 if(spin != null) {val adapter = ArrayAdapter(this, android.R.layout.*simple\_spinner\_item*, colour)  
 spin.*adapter* = adapter  
 spin.*onItemSelectedListener* = object : AdapterView.OnItemSelectedListener{  
 override fun onItemSelected(p0: AdapterView<\*>, p1: View?, p2: Int, p3: Long)  
 {  
 Toast.makeText(this@racket2, getString(R.string.*selected\_item*) + "" + "" + colour[p2], Toast.*LENGTH\_SHORT*)  
 }  
  
 override fun onNothingSelected(p0: AdapterView<\*>?) {  
 *TODO*("Not yet implemented")  
 }  
 }  
 }  
  
  
 checkBox1=findViewById(R.id.*checkBox1*)  
 checkBox1.setOnClickListener **{** displayTotalPrice()  
 **}** checkBox2=findViewById(R.id.*checkBox2*)  
 checkBox2.setOnClickListener **{** displayTotalPrice()  
 **}** checkBox3=findViewById(R.id.*checkBox3*)  
 checkBox3.setOnClickListener **{** displayTotalPrice()  
 **}** radioButton = findViewById(R.id.*radioButton*)  
 radioButton2 = findViewById(R.id.*radioButton2*)  
 radioButton3 = findViewById(R.id.*radioButton3*)  
 radioButton4 = findViewById(R.id.*radioButton4*)  
 radioButton5 = findViewById(R.id.*radioButton5*)  
  
 radioButton.setOnClickListener **{** displayTotalPrice()  
 **}** radioButton2.setOnClickListener **{** displayTotalPrice()  
  
 **}** radioButton3.setOnClickListener **{** displayTotalPrice()  
 **}** radioButton4.setOnClickListener **{** displayTotalPrice()  
 **}** radioButton5.setOnClickListener **{** displayTotalPrice()  
 **}** }  
  
 //create a function to increase quantity  
 fun increaseQuantity(view: View) {  
 //get the textview of quantity  
 val textViewQty = findViewById<TextView>(R.id.*textViewQuantity*);  
 //get the value of quantity  
 qty = textViewQty.*text*.toString().*toInt*();  
 //increase qty by 1  
 qty=qty+1  
 //set qty to textViewQty  
 textViewQty.*text* = qty.toString()  
 //enable to decrease qty button  
 buttonDecrease?.*isEnabled*=true  
 displayTotalPrice();  
 }  
  
  
 //create a function to decrease quantity  
 fun decreaseQuantity(view: View) {  
 val textViewQty = findViewById<TextView>(R.id.*textViewQuantity*);  
 qty = textViewQty.*text*.toString().*toInt*();  
 qty -= 1;  
 textViewQty.*text* = qty.toString()  
 displayTotalPrice();  
 if (qty == 0) {  
 buttonDecrease?.*isEnabled* = false  
  
 //call display price  
 displayTotalPrice();  
 }  
  
 }  
  
  
 fun displayTotalPrice() {  
 //get the textview of totalprice  
 totalPrice = gift.calculateTotal(qty).toInt()  
 if (checkBox1.*isChecked*)  
 {  
 totalPrice += 30 \* qty  
 }  
 if (checkBox2.*isChecked*)  
 {  
 totalPrice += 35 \* qty  
 }  
 if (checkBox3.*isChecked*)  
 {  
 totalPrice += 40 \* qty  
 }  
 if(radioButton.*isChecked*)  
 {  
 totalPrice += 2  
 }  
 if(radioButton2.*isChecked*)  
 {  
 totalPrice += 1  
 }  
 if(radioButton3.*isChecked*)  
 {  
 totalPrice += 1  
 }  
 if(radioButton4.*isChecked*)  
 {  
 totalPrice += 9  
 }  
 if(radioButton5.*isChecked*)  
 {  
 totalPrice += 1  
 }  
 val textViewTotal = findViewById<TextView>(R.id.*textViewTotal*)  
 textViewTotal.*text* = NumberFormat.getCurrencyInstance().format(totalPrice)  
 }  
  
 fun payment(view: View)  
 {  
 //get the view of editTextPayment  
 val editTextPayment=findViewById<EditText>(R.id.*editTextPayment*)  
 //get value from editTextPayment  
 var pay=editTextPayment.*text*.toString().*toDouble*()  
 //calculate change  
 var change=pay- totalPrice  
 //get view of textview change  
 val textViewChange=findViewById<TextView>(R.id.*textViewChange*)  
 //display change in textview change  
 textViewChange.*text*= NumberFormat.getCurrencyInstance().format(change)  
  
 if(change<0)  
 {  
 Toast.makeText(this,"payment not enough", Toast.*LENGTH\_SHORT*).show()  
 }  
 else  
 {  
 //display change in textview change  
 textViewChange.*text*= NumberFormat.getCurrencyInstance().format(change)  
 //to underline text  
 textViewChange.*paintFlags* = Paint.*UNDERLINE\_TEXT\_FLAG* }  
  
 var builder = NotificationCompat.Builder(this, "ID1")  
 .setSmallIcon(R.drawable.*payment\_foreground*)  
 .setContentTitle("Payment Successful")  
 .setContentText("Thank You, please come again!")  
 .setPriority(NotificationCompat.*PRIORITY\_DEFAULT*)  
  
 *with*(NotificationManagerCompat.from(this)) **{** // notificationId is a unique int for each notification that you must define  
 notify(1, builder.build())  
 **}** }  
  
 //To-D0:  
 //Create a nextOrder function  
 //reset quantity  
 //reset total price  
 //reset payment  
 //reset change  
  
 fun nextOrder(view: View)  
 {  
 val intent = Intent(this, MainActivity::class.*java*)  
 startActivity(intent)  
 }  
  
 override fun onCreateOptionsMenu(menu: Menu?): Boolean {  
 val inflater: MenuInflater = *menuInflater* inflater.inflate(R.menu.*menu*, menu)  
 return true  
 }  
  
 private fun createNotificationChannel() {  
 // Create the NotificationChannel, but only on API 26+ because  
 // the NotificationChannel class is new and not in the support library  
 if (Build.VERSION.*SDK\_INT* >= Build.VERSION\_CODES.*O*) {  
 val name = "Channel Name"  
 val descriptionText = "Channel Description"  
 val importance = NotificationManager.*IMPORTANCE\_DEFAULT* val channel = NotificationChannel("ID1", name, importance).*apply* **{** *description* = descriptionText  
 **}** // Register the channel with the system  
 val notificationManager: NotificationManager =  
 getSystemService(Context.*NOTIFICATION\_SERVICE*) as NotificationManager  
 notificationManager.createNotificationChannel(channel)  
 }  
 }  
  
 override fun onItemSelected(p0: AdapterView<\*>?, p1: View?, p2: Int, p3: Long) {  
 val spinner : Spinner = findViewById(R.id.*item\_color*)  
 val imageViewItem: ImageView = findViewById(R.id.*racket*)  
  
 when (p2) {  
 0 ->{  
 Toast.makeText(this,spinner.*selectedItem*.toString(), Toast.*LENGTH\_LONG*).show()  
  
 true  
 }  
 1 ->{  
 Toast.makeText(this,spinner.*selectedItem*.toString(), Toast.*LENGTH\_LONG*).show()  
  
 true  
 }  
 2 ->{  
 Toast.makeText(this,spinner.*selectedItem*.toString(), Toast.*LENGTH\_LONG*).show()  
  
 true  
 }  
 3 ->{  
 Toast.makeText(this,spinner.*selectedItem*.toString(), Toast.*LENGTH\_LONG*).show()  
  
 true  
 }  
 4 ->{  
 Toast.makeText(this,spinner.*selectedItem*.toString(), Toast.*LENGTH\_LONG*).show()  
  
 true  
 }  
 }  
 }  
  
 override fun onNothingSelected(p0: AdapterView<\*>?) {  
 *TODO*("Not yet implemented")  
 }  
  
}

**activity\_racket3.xml**

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ubble Wrap(Rm1.00)" />  
  
 <RadioButton  
 android:id="@+id/radioButton5"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:text="Box(Rm1.00)" />  
  
 </RadioGroup>  
  
 </LinearLayout>  
 </LinearLayout>  
  
 <EditText  
 android:id="@+id/textViewTotal"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:ems="10"  
 android:hint="Total Price"  
 android:inputType="textPersonName" />  
  
 <EditText  
 android:id="@+id/editTextPayment"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:ems="10"  
 android:inputType="number" />  
  
 <Button  
 android:id="@+id/buttonpay"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:enabled="false"  
 android:onClick="payment"  
 android:text="Pay" />  
  
 <EditText  
 android:id="@+id/textViewChange"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:ems="10"  
 android:hint="Change"  
 android:inputType="textPersonName" />  
  
 <Button  
 android:id="@+id/buttonOrder"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:onClick="nextOrder"  
 android:text="Next Order" />  
  
 </LinearLayout>  
 </ScrollView>  
</LinearLayout>

**racket3.kt**

package com.example.as3  
  
import android.app.NotificationChannel  
import android.app.NotificationManager  
import android.content.Context  
import android.content.Intent  
import android.graphics.Paint  
import android.os.Build  
import androidx.appcompat.app.AppCompatActivity  
import android.os.Bundle  
import android.text.Editable  
import android.text.TextWatcher  
import android.view.Menu  
import android.view.MenuInflater  
import android.view.View  
import android.widget.\*  
import androidx.core.app.NotificationCompat  
import androidx.core.app.NotificationManagerCompat  
import java.text.NumberFormat  
import java.util.\*  
  
class racket3 : AppCompatActivity(), AdapterView.OnItemSelectedListener {  
  
 var buttonDecrease: Button?=null  
 var qty=0  
 var gift:Gift=Gift()  
 var editTextPayment: EditText?=null  
 var buttonpay: Button?=null  
 lateinit var checkBox1: CheckBox  
 lateinit var checkBox2: CheckBox  
 lateinit var checkBox3: CheckBox  
 lateinit var radioButton: RadioButton  
 lateinit var radioButton2: RadioButton  
 lateinit var radioButton3: RadioButton  
 lateinit var radioButton4: RadioButton  
 lateinit var radioButton5: RadioButton  
 var totalPrice = 0  
  
  
 override fun onCreate(savedInstanceState: Bundle?) {  
 super.onCreate(savedInstanceState)  
 setContentView(R.layout.*activity\_racket3*)  
 createNotificationChannel()  
 buttonDecrease = findViewById<Button>(R.id.*buttonDecrease*)  
 buttonpay = findViewById<Button>(R.id.*buttonpay*)  
 editTextPayment = findViewById<EditText>(R.id.*editTextPayment*)  
 val textViewPrice = findViewById<TextView>(R.id.*textViewPrice*)  
 gift.price = 600.00;  
  
  
 //textViewPrice.text=gift.price.toString()  
 //set country for your app,set your location to Malaysia  
 val locale = Locale("en", "MY")  
 Locale.setDefault(locale)  
 textViewPrice.*text* = NumberFormat.getCurrencyInstance().format(gift.price)  
  
 //set edit text changed function for payment  
 editTextPayment?.addTextChangedListener(object : TextWatcher {  
  
 override fun afterTextChanged(s: Editable) {}  
  
 override fun beforeTextChanged(  
 s: CharSequence, start: Int,  
 before: Int, count: Int  
 ) {  
 }  
  
 override fun onTextChanged(  
 s: CharSequence, start: Int,  
 before: Int, count: Int  
 ) {  
  
 if (editTextPayment?.*text*?.*isEmpty*() == false) {  
 buttonpay?.*isEnabled* =  
 editTextPayment?.*text*.*toString*().*toDouble*() >= gift.calculateTotal(qty)  
 }  
 }  
 })  
  
 val colour = *resources*.getStringArray(R.array.*item\_color*)  
 val spin = findViewById<Spinner>(R.id.*item\_color*)  
 if(spin != null) {val adapter = ArrayAdapter(this, android.R.layout.*simple\_spinner\_item*, colour)  
 spin.*adapter* = adapter  
 spin.*onItemSelectedListener* = object : AdapterView.OnItemSelectedListener{  
 override fun onItemSelected(p0: AdapterView<\*>, p1: View?, p2: Int, p3: Long)  
 {  
 Toast.makeText(this@racket3, getString(R.string.*selected\_item*) + "" + "" + colour[p2], Toast.*LENGTH\_SHORT*)  
 }  
  
 override fun onNothingSelected(p0: AdapterView<\*>?) {  
 *TODO*("Not yet implemented")  
 }  
 }  
 }  
  
  
 checkBox1=findViewById(R.id.*checkBox1*)  
 checkBox1.setOnClickListener **{** displayTotalPrice()  
 **}** checkBox2=findViewById(R.id.*checkBox2*)  
 checkBox2.setOnClickListener **{** displayTotalPrice()  
 **}** checkBox3=findViewById(R.id.*checkBox3*)  
 checkBox3.setOnClickListener **{** displayTotalPrice()  
 **}** radioButton = findViewById(R.id.*radioButton*)  
 radioButton2 = findViewById(R.id.*radioButton2*)  
 radioButton3 = findViewById(R.id.*radioButton3*)  
 radioButton4 = findViewById(R.id.*radioButton4*)  
 radioButton5 = findViewById(R.id.*radioButton5*)  
  
 radioButton.setOnClickListener **{** displayTotalPrice()  
 **}** radioButton2.setOnClickListener **{** displayTotalPrice()  
  
 **}** radioButton3.setOnClickListener **{** displayTotalPrice()  
 **}** radioButton4.setOnClickListener **{** displayTotalPrice()  
 **}** radioButton5.setOnClickListener **{** displayTotalPrice()  
 **}** }  
  
 //create a function to increase quantity  
 fun increaseQuantity(view: View) {  
 //get the textview of quantity  
 val textViewQty = findViewById<TextView>(R.id.*textViewQuantity*);  
 //get the value of quantity  
 qty = textViewQty.*text*.toString().*toInt*();  
 //increase qty by 1  
 qty=qty+1  
 //set qty to textViewQty  
 textViewQty.*text* = qty.toString()  
 //enable to decrease qty button  
 buttonDecrease?.*isEnabled*=true  
 displayTotalPrice();  
 }  
  
  
 //create a function to decrease quantity  
 fun decreaseQuantity(view: View) {  
 val textViewQty = findViewById<TextView>(R.id.*textViewQuantity*);  
 qty = textViewQty.*text*.toString().*toInt*();  
 qty -= 1;  
 textViewQty.*text* = qty.toString()  
 displayTotalPrice();  
 if (qty == 0) {  
 buttonDecrease?.*isEnabled* = false  
  
 //call display price  
 displayTotalPrice();  
 }  
  
 }  
  
  
 fun displayTotalPrice() {  
 //get the textview of totalprice  
 totalPrice = gift.calculateTotal(qty).toInt()  
 if (checkBox1.*isChecked*)  
 {  
 totalPrice += 30 \* qty  
 }  
 if (checkBox2.*isChecked*)  
 {  
 totalPrice += 35 \* qty  
 }  
 if (checkBox3.*isChecked*)  
 {  
 totalPrice += 40 \* qty  
 }  
 if(radioButton.*isChecked*)  
 {  
 totalPrice += 2  
 }  
 if(radioButton2.*isChecked*)  
 {  
 totalPrice += 1  
 }  
 if(radioButton3.*isChecked*)  
 {  
 totalPrice += 1  
 }  
 if(radioButton4.*isChecked*)  
 {  
 totalPrice += 9  
 }  
 if(radioButton5.*isChecked*)  
 {  
 totalPrice += 1  
 }  
 val textViewTotal = findViewById<TextView>(R.id.*textViewTotal*)  
 textViewTotal.*text* = NumberFormat.getCurrencyInstance().format(totalPrice)  
 }  
  
 fun payment(view: View)  
 {  
 //get the view of editTextPayment  
 val editTextPayment=findViewById<EditText>(R.id.*editTextPayment*)  
 //get value from editTextPayment  
 var pay=editTextPayment.*text*.toString().*toDouble*()  
 //calculate change  
 var change=pay- totalPrice  
 //get view of textview change  
 val textViewChange=findViewById<TextView>(R.id.*textViewChange*)  
 //display change in textview change  
 textViewChange.*text*= NumberFormat.getCurrencyInstance().format(change)  
  
 if(change<0)  
 {  
 Toast.makeText(this,"payment not enough", Toast.*LENGTH\_SHORT*).show()  
 }  
 else  
 {  
 //display change in textview change  
 textViewChange.*text*= NumberFormat.getCurrencyInstance().format(change)  
 //to underline text  
 textViewChange.*paintFlags* = Paint.*UNDERLINE\_TEXT\_FLAG* }  
  
 var builder = NotificationCompat.Builder(this, "ID1")  
 .setSmallIcon(R.drawable.*payment\_foreground*)  
 .setContentTitle("Payment Successful")  
 .setContentText("Thank You, please come again!")  
 .setPriority(NotificationCompat.*PRIORITY\_DEFAULT*)  
  
 *with*(NotificationManagerCompat.from(this)) **{** // notificationId is a unique int for each notification that you must define  
 notify(1, builder.build())  
 **}** }  
  
 //To-D0:  
 //Create a nextOrder function  
 //reset quantity  
 //reset total price  
 //reset payment  
 //reset change  
  
 fun nextOrder(view: View)  
 {  
 val intent = Intent(this, MainActivity::class.*java*)  
 startActivity(intent)  
 }  
  
 override fun onCreateOptionsMenu(menu: Menu?): Boolean {  
 val inflater: MenuInflater = *menuInflater* inflater.inflate(R.menu.*menu*, menu)  
 return true  
 }  
  
 private fun createNotificationChannel() {  
 // Create the NotificationChannel, but only on API 26+ because  
 // the NotificationChannel class is new and not in the support library  
 if (Build.VERSION.*SDK\_INT* >= Build.VERSION\_CODES.*O*) {  
 val name = "Channel Name"  
 val descriptionText = "Channel Description"  
 val importance = NotificationManager.*IMPORTANCE\_DEFAULT* val channel = NotificationChannel("ID1", name, importance).*apply* **{** *description* = descriptionText  
 **}** // Register the channel with the system  
 val notificationManager: NotificationManager =  
 getSystemService(Context.*NOTIFICATION\_SERVICE*) as NotificationManager  
 notificationManager.createNotificationChannel(channel)  
 }  
 }  
  
 override fun onItemSelected(p0: AdapterView<\*>?, p1: View?, p2: Int, p3: Long) {  
 val spinner : Spinner = findViewById(R.id.*item\_color*)  
 val imageViewItem: ImageView = findViewById(R.id.*racket*)  
  
 when (p2) {  
 0 ->{  
 Toast.makeText(this,spinner.*selectedItem*.toString(), Toast.*LENGTH\_LONG*).show()  
  
 true  
 }  
 1 ->{  
 Toast.makeText(this,spinner.*selectedItem*.toString(), Toast.*LENGTH\_LONG*).show()  
  
 true  
 }  
 2 ->{  
 Toast.makeText(this,spinner.*selectedItem*.toString(), Toast.*LENGTH\_LONG*).show()  
  
 true  
 }  
 3 ->{  
 Toast.makeText(this,spinner.*selectedItem*.toString(), Toast.*LENGTH\_LONG*).show()  
  
 true  
 }  
 4 ->{  
 Toast.makeText(this,spinner.*selectedItem*.toString(), Toast.*LENGTH\_LONG*).show()  
  
 true  
 }  
 }  
 }  
  
 override fun onNothingSelected(p0: AdapterView<\*>?) {  
 *TODO*("Not yet implemented")  
 }  
  
}

**activity\_racket4.xml**

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Description automatically generated

<?xml version="1.0" encoding="utf-8"?>  
<LinearLayout 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:orientation="vertical"  
 tools:context=".racket4">  
  
 <ScrollView  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent">  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical" >  
  
 <LinearLayout  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical">  
  
 <ImageView  
 android:id="@+id/racket"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="150dp"  
 app:srcCompat="@drawable/ryuga" />  
  
 <TextView  
 android:id="@+id/textViewPrice"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Ryuga"  
 android:textAlignment="center" />  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="horizontal">  
  
 <Button  
 android:id="@+id/Button"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:onClick="increaseQuantity"  
 android:text="+" />  
  
 <TextView  
 android:id="@+id/textViewQuantity"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:text="0"  
 android:textAlignment="center" />  
  
 <Button  
 android:id="@+id/buttonDecrease"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:enabled="false"  
 android:onClick="decreaseQuantity"  
 android:text="-" />  
 </LinearLayout>  
  
 <Spinner  
 android:id="@+id/item\_color"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:minHeight="48dp" />  
  
 <CheckBox  
 android:id="@+id/checkBox1"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Yonex Bg66" />  
  
 <CheckBox  
 android:id="@+id/checkBox2"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Yonex Bg65Ti" />  
  
 <CheckBox  
 android:id="@+id/checkBox3"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Victor VBS-66" />  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal">  
  
 <RadioGroup  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="horizontal">  
  
 <RadioButton  
 android:id="@+id/radioButton3"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:text="No (Rm0.00)" />  
  
 <RadioButton  
 android:id="@+id/radioButton4"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:text="With Grip(Rm9.00)" />  
 </RadioGroup>  
  
 </LinearLayout>  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="0"  
 android:orientation="horizontal">  
  
 <RadioGroup  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:layout\_weight="0"  
 android:orientation="horizontal">  
  
 <RadioButton  
 android:id="@+id/radioButton"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:text="Bag(Rm2.00)" />  
  
 <RadioButton  
 android:id="@+id/radioButton2"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:text="Bubble Wrap(Rm1.00)" />  
  
 <RadioButton  
 android:id="@+id/radioButton5"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:text="Box(Rm1.00)" />  
  
 </RadioGroup>  
  
 </LinearLayout>  
 </LinearLayout>  
  
 <EditText  
 android:id="@+id/textViewTotal"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:ems="10"  
 android:hint="Total Price"  
 android:inputType="textPersonName" />  
  
 <EditText  
 android:id="@+id/editTextPayment"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:ems="10"  
 android:inputType="number" />  
  
 <Button  
 android:id="@+id/buttonpay"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:enabled="false"  
 android:onClick="payment"  
 android:text="Pay" />  
  
 <EditText  
 android:id="@+id/textViewChange"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:ems="10"  
 android:hint="Change"  
 android:inputType="textPersonName" />  
  
 <Button  
 android:id="@+id/buttonOrder"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:onClick="nextOrder"  
 android:text="Next Order" />  
  
 </LinearLayout>  
 </ScrollView>  
</LinearLayout>

**Racket4.kt**

package com.example.as3  
  
import android.app.NotificationChannel  
import android.app.NotificationManager  
import android.content.Context  
import android.content.Intent  
import android.graphics.Paint  
import android.os.Build  
import androidx.appcompat.app.AppCompatActivity  
import android.os.Bundle  
import android.text.Editable  
import android.text.TextWatcher  
import android.view.Menu  
import android.view.MenuInflater  
import android.view.View  
import android.widget.\*  
import androidx.core.app.NotificationCompat  
import androidx.core.app.NotificationManagerCompat  
import java.text.NumberFormat  
import java.util.\*  
  
class racket4 : AppCompatActivity(), AdapterView.OnItemSelectedListener {  
  
 var buttonDecrease: Button?=null  
 var qty=0  
 var gift:Gift=Gift()  
 var editTextPayment: EditText?=null  
 var buttonpay: Button?=null  
 lateinit var checkBox1: CheckBox  
 lateinit var checkBox2: CheckBox  
 lateinit var checkBox3: CheckBox  
 lateinit var radioButton: RadioButton  
 lateinit var radioButton2: RadioButton  
 lateinit var radioButton3: RadioButton  
 lateinit var radioButton4: RadioButton  
 lateinit var radioButton5: RadioButton  
 var totalPrice = 0  
  
  
 override fun onCreate(savedInstanceState: Bundle?) {  
 super.onCreate(savedInstanceState)  
 setContentView(R.layout.*activity\_racket4*)  
 createNotificationChannel()  
 buttonDecrease = findViewById<Button>(R.id.*buttonDecrease*)  
 buttonpay = findViewById<Button>(R.id.*buttonpay*)  
 editTextPayment = findViewById<EditText>(R.id.*editTextPayment*)  
 val textViewPrice = findViewById<TextView>(R.id.*textViewPrice*)  
 gift.price = 600.00;  
  
  
 //textViewPrice.text=gift.price.toString()  
 //set country for your app,set your location to Malaysia  
 val locale = Locale("en", "MY")  
 Locale.setDefault(locale)  
 textViewPrice.*text* = NumberFormat.getCurrencyInstance().format(gift.price)  
  
 //set edit text changed function for payment  
 editTextPayment?.addTextChangedListener(object : TextWatcher {  
  
 override fun afterTextChanged(s: Editable) {}  
  
 override fun beforeTextChanged(  
 s: CharSequence, start: Int,  
 before: Int, count: Int  
 ) {  
 }  
  
 override fun onTextChanged(  
 s: CharSequence, start: Int,  
 before: Int, count: Int  
 ) {  
  
 if (editTextPayment?.*text*?.*isEmpty*() == false) {  
 buttonpay?.*isEnabled* =  
 editTextPayment?.*text*.*toString*().*toDouble*() >= gift.calculateTotal(qty)  
 }  
 }  
 })  
  
 val colour = *resources*.getStringArray(R.array.*item\_color*)  
 val spin = findViewById<Spinner>(R.id.*item\_color*)  
 if(spin != null) {val adapter = ArrayAdapter(this, android.R.layout.*simple\_spinner\_item*, colour)  
 spin.*adapter* = adapter  
 spin.*onItemSelectedListener* = object : AdapterView.OnItemSelectedListener{  
 override fun onItemSelected(p0: AdapterView<\*>, p1: View?, p2: Int, p3: Long)  
 {  
 Toast.makeText(this@racket4, getString(R.string.*selected\_item*) + "" + "" + colour[p2], Toast.*LENGTH\_SHORT*)  
 }  
  
 override fun onNothingSelected(p0: AdapterView<\*>?) {  
 *TODO*("Not yet implemented")  
 }  
 }  
 }  
  
  
 checkBox1=findViewById(R.id.*checkBox1*)  
 checkBox1.setOnClickListener **{** displayTotalPrice()  
 **}** checkBox2=findViewById(R.id.*checkBox2*)  
 checkBox2.setOnClickListener **{** displayTotalPrice()  
 **}** checkBox3=findViewById(R.id.*checkBox3*)  
 checkBox3.setOnClickListener **{** displayTotalPrice()  
 **}** radioButton = findViewById(R.id.*radioButton*)  
 radioButton2 = findViewById(R.id.*radioButton2*)  
 radioButton3 = findViewById(R.id.*radioButton3*)  
 radioButton4 = findViewById(R.id.*radioButton4*)  
 radioButton5 = findViewById(R.id.*radioButton5*)  
  
 radioButton.setOnClickListener **{** displayTotalPrice()  
 **}** radioButton2.setOnClickListener **{** displayTotalPrice()  
  
 **}** radioButton3.setOnClickListener **{** displayTotalPrice()  
 **}** radioButton4.setOnClickListener **{** displayTotalPrice()  
 **}** radioButton5.setOnClickListener **{** displayTotalPrice()  
 **}** }  
  
 //create a function to increase quantity  
 fun increaseQuantity(view: View) {  
 //get the textview of quantity  
 val textViewQty = findViewById<TextView>(R.id.*textViewQuantity*);  
 //get the value of quantity  
 qty = textViewQty.*text*.toString().*toInt*();  
 //increase qty by 1  
 qty=qty+1  
 //set qty to textViewQty  
 textViewQty.*text* = qty.toString()  
 //enable to decrease qty button  
 buttonDecrease?.*isEnabled*=true  
 displayTotalPrice();  
 }  
  
  
 //create a function to decrease quantity  
 fun decreaseQuantity(view: View) {  
 val textViewQty = findViewById<TextView>(R.id.*textViewQuantity*);  
 qty = textViewQty.*text*.toString().*toInt*();  
 qty -= 1;  
 textViewQty.*text* = qty.toString()  
 displayTotalPrice();  
 if (qty == 0) {  
 buttonDecrease?.*isEnabled* = false  
  
 //call display price  
 displayTotalPrice();  
 }  
  
 }  
  
  
 fun displayTotalPrice() {  
 //get the textview of totalprice  
 totalPrice = gift.calculateTotal(qty).toInt()  
 if (checkBox1.*isChecked*)  
 {  
 totalPrice += 30 \* qty  
 }  
 if (checkBox2.*isChecked*)  
 {  
 totalPrice += 35 \* qty  
 }  
 if (checkBox3.*isChecked*)  
 {  
 totalPrice += 40 \* qty  
 }  
 if(radioButton.*isChecked*)  
 {  
 totalPrice += 2  
 }  
 if(radioButton2.*isChecked*)  
 {  
 totalPrice += 1  
 }  
 if(radioButton3.*isChecked*)  
 {  
 totalPrice += 1  
 }  
 if(radioButton4.*isChecked*)  
 {  
 totalPrice += 9  
 }  
 if(radioButton5.*isChecked*)  
 {  
 totalPrice += 1  
 }  
 val textViewTotal = findViewById<TextView>(R.id.*textViewTotal*)  
 textViewTotal.*text* = NumberFormat.getCurrencyInstance().format(totalPrice)  
 }  
  
 fun payment(view: View)  
 {  
 //get the view of editTextPayment  
 val editTextPayment=findViewById<EditText>(R.id.*editTextPayment*)  
 //get value from editTextPayment  
 var pay=editTextPayment.*text*.toString().*toDouble*()  
 //calculate change  
 var change=pay- totalPrice  
 //get view of textview change  
 val textViewChange=findViewById<TextView>(R.id.*textViewChange*)  
 //display change in textview change  
 textViewChange.*text*= NumberFormat.getCurrencyInstance().format(change)  
  
 if(change<0)  
 {  
 Toast.makeText(this,"payment not enough", Toast.*LENGTH\_SHORT*).show()  
 }  
 else  
 {  
 //display change in textview change  
 textViewChange.*text*= NumberFormat.getCurrencyInstance().format(change)  
 //to underline text  
 textViewChange.*paintFlags* = Paint.*UNDERLINE\_TEXT\_FLAG* }  
  
 var builder = NotificationCompat.Builder(this, "ID1")  
 .setSmallIcon(R.drawable.*payment\_foreground*)  
 .setContentTitle("Payment Successful")  
 .setContentText("Thank You, please come again!")  
 .setPriority(NotificationCompat.*PRIORITY\_DEFAULT*)  
  
 *with*(NotificationManagerCompat.from(this)) **{** // notificationId is a unique int for each notification that you must define  
 notify(1, builder.build())  
 **}** }  
  
 //To-D0:  
 //Create a nextOrder function  
 //reset quantity  
 //reset total price  
 //reset payment  
 //reset change  
  
 fun nextOrder(view: View)  
 {  
 val intent = Intent(this, MainActivity::class.*java*)  
 startActivity(intent)  
 }  
  
 override fun onCreateOptionsMenu(menu: Menu?): Boolean {  
 val inflater: MenuInflater = *menuInflater* inflater.inflate(R.menu.*menu*, menu)  
 return true  
 }  
  
 private fun createNotificationChannel() {  
 // Create the NotificationChannel, but only on API 26+ because  
 // the NotificationChannel class is new and not in the support library  
 if (Build.VERSION.*SDK\_INT* >= Build.VERSION\_CODES.*O*) {  
 val name = "Channel Name"  
 val descriptionText = "Channel Description"  
 val importance = NotificationManager.*IMPORTANCE\_DEFAULT* val channel = NotificationChannel("ID1", name, importance).*apply* **{** *description* = descriptionText  
 **}** // Register the channel with the system  
 val notificationManager: NotificationManager =  
 getSystemService(Context.*NOTIFICATION\_SERVICE*) as NotificationManager  
 notificationManager.createNotificationChannel(channel)  
 }  
 }  
  
 override fun onItemSelected(p0: AdapterView<\*>?, p1: View?, p2: Int, p3: Long) {  
 val spinner : Spinner = findViewById(R.id.*item\_color*)  
 val imageViewItem: ImageView = findViewById(R.id.*racket*)  
  
 when (p2) {  
 0 ->{  
 Toast.makeText(this,spinner.*selectedItem*.toString(), Toast.*LENGTH\_LONG*).show()  
  
 true  
 }  
 1 ->{  
 Toast.makeText(this,spinner.*selectedItem*.toString(), Toast.*LENGTH\_LONG*).show()  
  
 true  
 }  
 2 ->{  
 Toast.makeText(this,spinner.*selectedItem*.toString(), Toast.*LENGTH\_LONG*).show()  
  
 true  
 }  
 3 ->{  
 Toast.makeText(this,spinner.*selectedItem*.toString(), Toast.*LENGTH\_LONG*).show()  
  
 true  
 }  
 4 ->{  
 Toast.makeText(this,spinner.*selectedItem*.toString(), Toast.*LENGTH\_LONG*).show()  
  
 true  
 }  
 }  
 }  
  
 override fun onNothingSelected(p0: AdapterView<\*>?) {  
 *TODO*("Not yet implemented")  
 }  
  
}

**Activity\_racket5.xml**

A screenshot of a phone

Description automatically generated with medium confidence

<?xml version="1.0" encoding="utf-8"?>  
<LinearLayout 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:orientation="vertical"  
 tools:context=".racket5">  
  
 <ScrollView  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent">  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical" >  
  
 <LinearLayout  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical">  
  
 <ImageView  
 android:id="@+id/racket"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="150dp"  
 app:srcCompat="@drawable/zf2" />  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="horizontal">  
  
 <TextView  
 android:id="@+id/textViewPrice"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="ZF2"  
 android:textAlignment="center" />  
  
 <Button  
 android:id="@+id/Button"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:onClick="increaseQuantity"  
 android:text="+" />  
  
 <TextView  
 android:id="@+id/textViewQuantity"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:text="0"  
 android:textAlignment="center" />  
  
 <Button  
 android:id="@+id/buttonDecrease"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:enabled="false"  
 android:onClick="decreaseQuantity"  
 android:text="-" />  
 </LinearLayout>  
  
 <Spinner  
 android:id="@+id/item\_color"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:minHeight="48dp" />  
  
 <CheckBox  
 android:id="@+id/checkBox1"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Yonex Bg66" />  
  
 <CheckBox  
 android:id="@+id/checkBox2"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Yonex Bg65Ti" />  
  
 <CheckBox  
 android:id="@+id/checkBox3"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Victor VBS-66" />  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal">  
  
 <RadioGroup  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="horizontal">  
  
 <RadioButton  
 android:id="@+id/radioButton3"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:text="No (Rm0.00)" />  
  
 <RadioButton  
 android:id="@+id/radioButton4"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:text="With Grip(Rm9.00)" />  
 </RadioGroup>  
  
 </LinearLayout>  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="0"  
 android:orientation="horizontal">  
  
 <RadioGroup  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:layout\_weight="0"  
 android:orientation="horizontal">  
  
 <RadioButton  
 android:id="@+id/radioButton"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:text="Bag(Rm2.00)" />  
  
 <RadioButton  
 android:id="@+id/radioButton2"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:text="Bubble Wrap(Rm1.00)" />  
  
 <RadioButton  
 android:id="@+id/radioButton5"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:text="Box(Rm1.00)" />  
  
 </RadioGroup>  
  
 </LinearLayout>  
 </LinearLayout>  
  
 <EditText  
 android:id="@+id/textViewTotal"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:ems="10"  
 android:hint="Total Price"  
 android:inputType="textPersonName" />  
  
 <EditText  
 android:id="@+id/editTextPayment"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:ems="10"  
 android:inputType="number" />  
  
 <Button  
 android:id="@+id/buttonpay"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:enabled="false"  
 android:onClick="payment"  
 android:text="Pay" />  
  
 <EditText  
 android:id="@+id/textViewChange"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:ems="10"  
 android:hint="Change"  
 android:inputType="textPersonName" />  
  
 <Button  
 android:id="@+id/buttonOrder"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:onClick="nextOrder"  
 android:text="Next Order" />  
  
 </LinearLayout>  
 </ScrollView>  
</LinearLayout>

**Racket5.kt**

package com.example.as3  
  
import android.app.NotificationChannel  
import android.app.NotificationManager  
import android.content.Context  
import android.content.Intent  
import android.graphics.Paint  
import android.os.Build  
import androidx.appcompat.app.AppCompatActivity  
import android.os.Bundle  
import android.text.Editable  
import android.text.TextWatcher  
import android.view.Menu  
import android.view.MenuInflater  
import android.view.View  
import android.widget.\*  
import androidx.core.app.NotificationCompat  
import androidx.core.app.NotificationManagerCompat  
import java.text.NumberFormat  
import java.util.\*  
  
class racket5 : AppCompatActivity(), AdapterView.OnItemSelectedListener {  
  
 var buttonDecrease: Button?=null  
 var qty=0  
 var gift:Gift=Gift()  
 var editTextPayment: EditText?=null  
 var buttonpay: Button?=null  
 lateinit var checkBox1: CheckBox  
 lateinit var checkBox2: CheckBox  
 lateinit var checkBox3: CheckBox  
 lateinit var radioButton: RadioButton  
 lateinit var radioButton2: RadioButton  
 lateinit var radioButton3: RadioButton  
 lateinit var radioButton4: RadioButton  
 lateinit var radioButton5: RadioButton  
 var totalPrice = 0  
  
  
 override fun onCreate(savedInstanceState: Bundle?) {  
 super.onCreate(savedInstanceState)  
 setContentView(R.layout.*activity\_racket5*)  
 createNotificationChannel()  
 buttonDecrease = findViewById<Button>(R.id.*buttonDecrease*)  
 buttonpay = findViewById<Button>(R.id.*buttonpay*)  
 editTextPayment = findViewById<EditText>(R.id.*editTextPayment*)  
 val textViewPrice = findViewById<TextView>(R.id.*textViewPrice*)  
 gift.price = 600.00;  
  
  
 //textViewPrice.text=gift.price.toString()  
 //set country for your app,set your location to Malaysia  
 val locale = Locale("en", "MY")  
 Locale.setDefault(locale)  
 textViewPrice.*text* = NumberFormat.getCurrencyInstance().format(gift.price)  
  
 //set edit text changed function for payment  
 editTextPayment?.addTextChangedListener(object : TextWatcher {  
  
 override fun afterTextChanged(s: Editable) {}  
  
 override fun beforeTextChanged(  
 s: CharSequence, start: Int,  
 before: Int, count: Int  
 ) {  
 }  
  
 override fun onTextChanged(  
 s: CharSequence, start: Int,  
 before: Int, count: Int  
 ) {  
  
 if (editTextPayment?.*text*?.*isEmpty*() == false) {  
 buttonpay?.*isEnabled* =  
 editTextPayment?.*text*.*toString*().*toDouble*() >= gift.calculateTotal(qty)  
 }  
 }  
 })  
  
 val colour = *resources*.getStringArray(R.array.*item\_color*)  
 val spin = findViewById<Spinner>(R.id.*item\_color*)  
 if(spin != null) {val adapter = ArrayAdapter(this, android.R.layout.*simple\_spinner\_item*, colour)  
 spin.*adapter* = adapter  
 spin.*onItemSelectedListener* = object : AdapterView.OnItemSelectedListener{  
 override fun onItemSelected(p0: AdapterView<\*>, p1: View?, p2: Int, p3: Long)  
 {  
 Toast.makeText(this@racket5, getString(R.string.*selected\_item*) + "" + "" + colour[p2], Toast.*LENGTH\_SHORT*)  
 }  
  
 override fun onNothingSelected(p0: AdapterView<\*>?) {  
 *TODO*("Not yet implemented")  
 }  
 }  
 }  
  
  
 checkBox1=findViewById(R.id.*checkBox1*)  
 checkBox1.setOnClickListener **{** displayTotalPrice()  
 **}** checkBox2=findViewById(R.id.*checkBox2*)  
 checkBox2.setOnClickListener **{** displayTotalPrice()  
 **}** checkBox3=findViewById(R.id.*checkBox3*)  
 checkBox3.setOnClickListener **{** displayTotalPrice()  
 **}** radioButton = findViewById(R.id.*radioButton*)  
 radioButton2 = findViewById(R.id.*radioButton2*)  
 radioButton3 = findViewById(R.id.*radioButton3*)  
 radioButton4 = findViewById(R.id.*radioButton4*)  
 radioButton5 = findViewById(R.id.*radioButton5*)  
  
 radioButton.setOnClickListener **{** displayTotalPrice()  
 **}** radioButton2.setOnClickListener **{** displayTotalPrice()  
  
 **}** radioButton3.setOnClickListener **{** displayTotalPrice()  
 **}** radioButton4.setOnClickListener **{** displayTotalPrice()  
 **}** radioButton5.setOnClickListener **{** displayTotalPrice()  
 **}** }  
  
 //create a function to increase quantity  
 fun increaseQuantity(view: View) {  
 //get the textview of quantity  
 val textViewQty = findViewById<TextView>(R.id.*textViewQuantity*);  
 //get the value of quantity  
 qty = textViewQty.*text*.toString().*toInt*();  
 //increase qty by 1  
 qty=qty+1  
 //set qty to textViewQty  
 textViewQty.*text* = qty.toString()  
 //enable to decrease qty button  
 buttonDecrease?.*isEnabled*=true  
 displayTotalPrice();  
 }  
  
  
 //create a function to decrease quantity  
 fun decreaseQuantity(view: View) {  
 val textViewQty = findViewById<TextView>(R.id.*textViewQuantity*);  
 qty = textViewQty.*text*.toString().*toInt*();  
 qty -= 1;  
 textViewQty.*text* = qty.toString()  
 displayTotalPrice();  
 if (qty == 0) {  
 buttonDecrease?.*isEnabled* = false  
  
 //call display price  
 displayTotalPrice();  
 }  
  
 }  
  
  
 fun displayTotalPrice() {  
 //get the textview of totalprice  
 totalPrice = gift.calculateTotal(qty).toInt()  
 if (checkBox1.*isChecked*)  
 {  
 totalPrice += 30 \* qty  
 }  
 if (checkBox2.*isChecked*)  
 {  
 totalPrice += 35 \* qty  
 }  
 if (checkBox3.*isChecked*)  
 {  
 totalPrice += 40 \* qty  
 }  
 if(radioButton.*isChecked*)  
 {  
 totalPrice += 2  
 }  
 if(radioButton2.*isChecked*)  
 {  
 totalPrice += 1  
 }  
 if(radioButton3.*isChecked*)  
 {  
 totalPrice += 1  
 }  
 if(radioButton4.*isChecked*)  
 {  
 totalPrice += 9  
 }  
 if(radioButton5.*isChecked*)  
 {  
 totalPrice += 1  
 }  
 val textViewTotal = findViewById<TextView>(R.id.*textViewTotal*)  
 textViewTotal.*text* = NumberFormat.getCurrencyInstance().format(totalPrice)  
 }  
  
 fun payment(view: View)  
 {  
 //get the view of editTextPayment  
 val editTextPayment=findViewById<EditText>(R.id.*editTextPayment*)  
 //get value from editTextPayment  
 var pay=editTextPayment.*text*.toString().*toDouble*()  
 //calculate change  
 var change=pay- totalPrice  
 //get view of textview change  
 val textViewChange=findViewById<TextView>(R.id.*textViewChange*)  
 //display change in textview change  
 textViewChange.*text*= NumberFormat.getCurrencyInstance().format(change)  
  
 if(change<0)  
 {  
 Toast.makeText(this,"payment not enough", Toast.*LENGTH\_SHORT*).show()  
 }  
 else  
 {  
 //display change in textview change  
 textViewChange.*text*= NumberFormat.getCurrencyInstance().format(change)  
 //to underline text  
 textViewChange.*paintFlags* = Paint.*UNDERLINE\_TEXT\_FLAG* }  
  
 var builder = NotificationCompat.Builder(this, "ID1")  
 .setSmallIcon(R.drawable.*payment\_foreground*)  
 .setContentTitle("Payment Successful")  
 .setContentText("Thank You, please come again!")  
 .setPriority(NotificationCompat.*PRIORITY\_DEFAULT*)  
  
 *with*(NotificationManagerCompat.from(this)) **{** // notificationId is a unique int for each notification that you must define  
 notify(1, builder.build())  
 **}** }  
  
 //To-D0:  
 //Create a nextOrder function  
 //reset quantity  
 //reset total price  
 //reset payment  
 //reset change  
  
 fun nextOrder(view: View)  
 {  
 val intent = Intent(this, MainActivity::class.*java*)  
 startActivity(intent)  
 }  
  
 override fun onCreateOptionsMenu(menu: Menu?): Boolean {  
 val inflater: MenuInflater = *menuInflater* inflater.inflate(R.menu.*menu*, menu)  
 return true  
 }  
  
 private fun createNotificationChannel() {  
 // Create the NotificationChannel, but only on API 26+ because  
 // the NotificationChannel class is new and not in the support library  
 if (Build.VERSION.*SDK\_INT* >= Build.VERSION\_CODES.*O*) {  
 val name = "Channel Name"  
 val descriptionText = "Channel Description"  
 val importance = NotificationManager.*IMPORTANCE\_DEFAULT* val channel = NotificationChannel("ID1", name, importance).*apply* **{** *description* = descriptionText  
 **}** // Register the channel with the system  
 val notificationManager: NotificationManager =  
 getSystemService(Context.*NOTIFICATION\_SERVICE*) as NotificationManager  
 notificationManager.createNotificationChannel(channel)  
 }  
 }  
  
 override fun onItemSelected(p0: AdapterView<\*>?, p1: View?, p2: Int, p3: Long) {  
 val spinner : Spinner = findViewById(R.id.*item\_color*)  
 val imageViewItem: ImageView = findViewById(R.id.*racket*)  
  
 when (p2) {  
 0 ->{  
 Toast.makeText(this,spinner.*selectedItem*.toString(), Toast.*LENGTH\_LONG*).show()  
  
 true  
 }  
 1 ->{  
 Toast.makeText(this,spinner.*selectedItem*.toString(), Toast.*LENGTH\_LONG*).show()  
  
 true  
 }  
 2 ->{  
 Toast.makeText(this,spinner.*selectedItem*.toString(), Toast.*LENGTH\_LONG*).show()  
  
 true  
 }  
 3 ->{  
 Toast.makeText(this,spinner.*selectedItem*.toString(), Toast.*LENGTH\_LONG*).show()  
  
 true  
 }  
 4 ->{  
 Toast.makeText(this,spinner.*selectedItem*.toString(), Toast.*LENGTH\_LONG*).show()  
  
 true  
 }  
 }  
 }  
  
 override fun onNothingSelected(p0: AdapterView<\*>?) {  
 *TODO*("Not yet implemented")  
 }  
  
}