

A
PROJECT REPORT
ON
"Restaurant Billing System"
As A Minor Project For The Semester Five Of
BACHELOR OF COMPUTER APPLICATION
(B.C.A.)

Submitted To



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Introduction

A **Brunch** is an application that is used by restaurants or cafes to take the orders from the customers. This application has two types of users 1) Admin & 2) Attenders.

- 1) Admin: - Admin can manage the menu items, menu category, attenders and orders.
- 2) Attenders(Staff): - Attenders(Staff) can order the items from the menu.

Technology Used

1. Hardware Requirements:

- Laptop / Desktop
- 8 GB ram
- Android Phone

2. Software Requirement:

- Android Studio
- Windows 10 or Upper

3. Database Requirements:

- SQLite

4. Language Used:

- Android with Kotlin

Objective

- Using this app can:
 - Manage the orders easily
 - Admin can add, update and delete the Menu easily
 - Easily keep the track record of the employees

Database(List of Tables)

tblUser

Sr no.	Field Name	Constructions
1	UserID	Primary Key
2	UNAME	Not Null
3	PASSWORD	Not Null

tblAdmin

Sr no.	Field Name	Constructions
1	AdminID	Primary Key
2	UNAME	Not Null
3	PASSWORD	Not Null

tblCategory

Sr no.	Field Name	Constructions
1	CategoryID	Primary Key
2	CATEGORY	Not Null

tblProduct

Sr no.	Field Name	Constructions
1	ProductID	Primary Key
2	ProductName	Not Null
3	Price	Not Null
4	CategoryName	Not Null
5	DESCRIPTION	Not Null
6	Image	Not Null

tblOrder

Sr no.	Field Name	Constructions
1	OrderID	Primary Key
2	ProductName	Not Null
3	QUANTITY	Not Null
4	TableNumber	Not Null
5	TotalPrice	Not Null

Design (XML Code)

➤ MainActivity

```
<?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="@color/white"
    tools:context=".MainActivity"
    android:gravity="center_vertical">

    <ImageView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="20dp"
        android:src="@drawable/logo"
        android:importantForAccessibility="no" />

</LinearLayout>
```

➤ Activity_Welcome

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@color/white"
    android:gravity="center_horizontal"
    android:orientation="vertical"
    tools:context=".ActivityWelcome">

    <ImageView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="20dp"
        android:src="@drawable/logo"
        android:importantForAccessibility="no" />

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="30dp"
        android:text="@string/welcome"
        android:textColor="@color/black"
        android:textSize="45sp"
        android:textStyle="bold" />

    <Button
```



```
android:id="@+id/btnAttender"
android:layout_width="350dp"
android:layout_height="50dp"
android:layout_marginTop="50dp"
android:background="@drawable/button"
android:backgroundTint="#6750A3"
android:text="@string/attender"
android:textColor="@color/white"
android:textSize="18sp"
android:textStyle="bold" />
```

```
<Button
```

```
    android:id="@+id/btnAdmin"
    android:layout_width="350dp"
    android:layout_height="50dp"
    android:layout_marginTop="20dp"
    android:background="@drawable/button"
    android:backgroundTint="#6750A3"
    android:text="Admin"
    android:textColor="@color/white"
    android:textSize="18dp"
    android:textStyle="bold" />
```

```
</LinearLayout>
```

➤ attender_activity

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@color/white"
    android:gravity="center_horizontal"
    android:orientation="vertical"
    tools:context=".ActivityAttender">

    <ImageView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:importantForAccessibility="no"
        android:src="@drawable/logo" />

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="30dp"
        android:text="@string/welcome"
        android:textColor="@color/black"
        android:textSize="45sp"
        android:textStyle="bold" />

    <EditText
        android:id="@+id/edUsername"
        android:layout_width="350dp"
        android:layout_height="50dp"
        android:layout_marginTop="30dp"
        android:autofillHints=""
        android:background="@drawable/forget"
        android:hint="@string/enter_attender_id"
        android:inputType="text"
        android:textColor="#A1887F"
        android:textColorHint="#A1887F"
        android:textSize="18sp"
        tools:ignore="VisualLintTextFieldSize" />

    <EditText
        android:id="@+id/edPassword"
        android:layout_width="350dp"
        android:layout_height="50dp"
        android:layout_marginTop="20dp"
        android:autofillHints=""
        android:background="@drawable/forget"
        android:hint="@string/enter_password"
        android:inputType="textPassword"
        android:textColor="#A1887F"
        android:textColorHint="#A1887F"
        android:textSize="18sp"
```

```

        tools:ignore="VisualLintTextFieldSize" />

<Button
    android:id="@+id/btnLogin"
    android:layout_width="350dp"
    android:layout_height="50dp"
    android:layout_marginTop="30dp"
    android:background="@drawable/button"
    android:text="@string/login"
    android:textSize="18sp"
    tools:ignore="TextSizeCheck,VisualLintButtonSize" />

</LinearLayout>

```

➤ Activity_attender_home

```

<?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="@color/white"
    tools:context=".ActivityAttenderHome">

    <LinearLayout
        android:id="@+id/ll"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:orientation="vertical"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent">

        <TextView
            android:id="@+id/tvHead"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="@string/menu"
            android:textAlignment="center"
            android:textColor="@color/black"
            android:textSize="38sp"
            android:textStyle="bold" />

        <GridView
            android:id="@+id/gridview"
            android:layout_width="match_parent"
            android:layout_height="match_parent"

```

```

        android:layout_marginTop="55dp"
        android:columnWidth="185dp"
        android:gravity="center"
        android:numColumns="2"
        android:stretchMode="spacingWidthUniform"
        android:verticalSpacing="18dp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@id/ll"
        tools:ignore="NestedScrolling" />

```

```
</LinearLayout>
```

```

<com.google.android.material.floatingactionbutton.FloatingActionButton
    android:id="@+id/btnLogout"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_margin="20dp"
    android:background="@drawable/button"
    android:importantForAccessibility="no"
    android:src="@drawable/baseline_logout_24"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent" />

```

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

➤ Attender_menu_layout

```

<?xml version="1.0" encoding="utf-8"?>
<com.google.android.material.card.MaterialCardView
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="185dp"
    android:layout_height="250dp"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    android:background="@color/white"
    android:orientation="vertical"
    app:cardBackgroundColor="@color/white"
    app:cardCornerRadius="25dp"
    app:cardElevation="10dp"
    tools:ignore="TextSizeCheck">

```

```

<LinearLayout
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:background="@color/white"
    android:orientation="vertical"
    tools:ignore="UseCompoundDrawables">

```

```
<TextView
```

```

        android:id="@+id/tvID"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text=""
        android:visibility="gone" />

<com.google.android.material.card.MaterialCardView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:background="@color/white"
    app:cardBackgroundColor="@color/white"
    app:cardCornerRadius="20dp"
    android:layout_margin="5sp"
    app:cardElevation="10dp">

    <ImageView
        android:id="@+id/imgLogo"
        android:layout_width="175sp"
        android:layout_height="115dp"
        android:importantForAccessibility="no"
        android:src="@drawable/menu" />

</com.google.android.material.card.MaterialCardView>

<TextView
    android:id="@+id/tvName"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="@string/menu"
    android:textAlignment="center"
    android:textColor="@color/black"
    android:textSize="24sp"
    android:textStyle="bold" />

<TextView
    android:id="@+id/tvDesc"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:visibility="gone" />

<TextView
    android:id="@+id/tvPrice"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:textAlignment="center"
    android:textColor="@color/black"
    android:textSize="24sp"
    android:textStyle="bold" />

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

```

```

        android:background="@color/white"
        android:gravity="center">

        <Button
            android:id="@+id/btnBuyNow"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginEnd="2dp"
            android:text="@string/buy_now"
            android:textSize="18sp"
            tools:ignore="ButtonStyle,TouchTargetSizeCheck" />
    </LinearLayout>
</LinearLayout>

</com.google.android.material.card.MaterialCardView>

```

➤ activity_order_now

```

<?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="@color/white"
    android:padding="10dp"
    tools:context=".ActivityOrderNow">

    <TextView
        android:id="@+id/header"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="@string/order_here"
        android:textAlignment="center"
        android:textColor="@color/black"
        android:textSize="24sp"
        android:textStyle="bold"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <com.google.android.material.card.MaterialCardView
        android:id="@+id/cardViewOrders"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:background="@color/white"
        app:cardBackgroundColor="@color/white"
        app:cardCornerRadius="20dp"
        app:cardElevation="10dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"

```

```
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toBottomOf="@+id/header">
```

```
<LinearLayout
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="center"
    android:layout_marginStart="10sp"
    android:layout_marginTop="0sp"
    android:layout_marginEnd="10sp"
    android:background="@color/white"
    android:orientation="vertical"
    tools:ignore="UseCompoundDrawables">
```

```
<com.google.android.material.card.MaterialCardView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="10sp"
    android:background="@color/white"
    app:cardBackgroundColor="@color/white"
    app:cardCornerRadius="20dp">
```

```
<ImageView
    android:id="@+id/img"
    android:layout_width="200sp"
    android:layout_height="wrap_content"
    tools:ignore="ContentDescription" />
</com.google.android.material.card.MaterialCardView>
```

```
<TextView
    android:id="@+id/pname"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="10dp"
    android:textAlignment="center"
    android:textColor="@color/black"
    android:textSize="22sp"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@id/img" />
```

```
<TextView
    android:id="@+id/price"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="10dp"
    android:textAlignment="center"
    android:textColor="@color/black"
    android:textSize="22sp"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@id/pname" />
```

```
<Spinner
```

```
    android:id="@+id/qty"
    style="@style/SpinnerTextColor"
    android:layout_width="200sp"
    android:layout_height="wrap_content"
    android:layout_marginTop="10dp"
    android:inputType="number"
    android:minHeight="48dp"
    android:textColorHint="#757575"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@id/price" />
```

```
<Spinner
    android:id="@+id/tblNo"
    style="@style/SpinnerTextColor"
    android:layout_width="200sp"
    android:layout_height="wrap_content"
    android:layout_marginTop="10dp"
    android:inputType="number"
    android:minHeight="48dp"
    android:textColorHint="#757575"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@id/qty" />
```

```
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:gravity="center">
```

```
    <Button
        android:id="@+id/btnBuyNow"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_margin="5sp"
        android:text="@string/order_now"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@id/tblNo" />
```

```
</LinearLayout>
```

```
</LinearLayout>
```

```
</com.google.android.material.card.MaterialCardView>
```

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


➤ activity_admin_orders

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
xmlns:tools="http://schemas.android.com/tools"
android:layout_width="match_parent"
android:layout_height="match_parent"
xmlns:app="http://schemas.android.com/apk/res-auto"
android:background="@color/white"
tools:context=".AdminOrdersActivity">

<TextView
    android:id="@+id/tvHead"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="@string/order_list"
    android:textAlignment="center"
    android:textColor="@color/black"
    android:textSize="25sp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />

<ListView
    android:id="@+id/attenderList"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="20dp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@id/tvHead"
    tools:ignore="VisualLintBounds" />

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

➤ activity_admin

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
xmlns:tools="http://schemas.android.com/tools"
android:layout_width="match_parent"
android:layout_height="match_parent"
android:background="@color/white"
android:gravity="center_horizontal"
android:orientation="vertical"
tools:context=".ActivityAdmin">

<ImageView
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:importantForAccessibility="no"
```

```

        android:src="@drawable/logo" />

<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="30dp"
    android:text="@string/welcome"
    android:textColor="@color/black"
    android:textSize="45sp"
    android:textStyle="bold" />

<EditText
    android:id="@+id/edUsername"
    android:layout_width="350dp"
    android:layout_height="50dp"
    android:layout_marginTop="30dp"
    android:autofillHints=""
    android:background="@drawable/forget"
    android:hint="@string/enter_admin_id"
    android:inputType="text"
    android:textColor="#A1887F"
    android:textColorHint="#A1887F"
    android:textSize="18sp"
    tools:ignore="VisualLintTextFieldSize" />

<EditText
    android:id="@+id/edPassword"
    android:layout_width="350dp"
    android:layout_height="50dp"
    android:layout_marginTop="20dp"
    android:autofillHints=""
    android:background="@drawable/forget"
    android:hint="@string/enter_password"
    android:inputType="textPassword"
    android:textColor="#A1887F"
    android:textColorHint="#A1887F"
    android:textSize="18sp"
    tools:ignore="VisualLintTextFieldSize" />

<Button
    android:id="@+id/btnLogin"
    android:layout_width="350dp"
    android:layout_height="50dp"
    android:layout_marginTop="30dp"
    android:background="@drawable/button"
    android:text="@string/login"
    android:textSize="18sp"
    tools:ignore="TextSizeCheck,VisualLintButtonSize" />

</LinearLayout>

```

➤ admin_option_activity

```
<?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="@color/white"
tools:context=".AdminOptionActivity"
android:padding="10dp">

<com.google.android.material.card.MaterialCardView
    android:id="@+id/cardViewMenu"
    android:layout_width="200dp"
    android:layout_height="200dp"
    android:background="@color/white"
    app:cardBackgroundColor="@color/white"
    app:cardCornerRadius="20dp"
    app:cardElevation="10dp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintBottom_toTopOf="@id/cardViewAttender"
    app:layout_constraintHorizontal_bias="0.497"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent">

<LinearLayout
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:background="@color/white"
    android:orientation="vertical"
    tools:ignore="UseCompoundDrawables">

    <ImageView
        android:layout_width="wrap_content"
        android:layout_height="170dp"
        android:importantForAccessibility="no"
        android:src="@drawable/menu" />

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="@string/menu"
        android:textAlignment="center"
        android:textColor="@color/black"
        android:textSize="20sp"
        android:textStyle="bold" />
</LinearLayout>

</com.google.android.material.card.MaterialCardView>

<com.google.android.material.card.MaterialCardView
```

```

        android:id="@+id/cardViewAttender"
        android:layout_width="200dp"
        android:layout_height="200dp"
        android:background="@color/white"
        app:cardBackgroundColor="@color/white"
        app:cardCornerRadius="20dp"
        app:cardElevation="10dp"
        app:layout_constraintBottom_toTopOf="@id/cardViewOrders"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/cardViewMenu">

<LinearLayout
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:background="@color/white"
    android:orientation="vertical"
    tools:ignore="UseCompoundDrawables">

    <ImageView
        android:layout_width="wrap_content"
        android:layout_height="170dp"
        android:importantForAccessibility="no"
        android:src="@drawable/attender" />

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="@string/attenders"
        android:textAlignment="center"
        android:textColor="@color/black"
        android:textSize="20sp"
        android:textStyle="bold" />
</LinearLayout>

</com.google.android.material.card.MaterialCardView>

<com.google.android.material.card.MaterialCardView
    android:id="@+id/cardViewOrders"
    android:layout_width="200dp"
    android:layout_height="200dp"
    android:background="@color/white"
    app:cardBackgroundColor="@color/white"
    app:cardCornerRadius="20dp"
    app:cardElevation="10dp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/cardViewAttender">

<LinearLayout
    android:layout_width="wrap_content"

```

```
android:layout_height="wrap_content"
android:background="@color/white"
android:orientation="vertical"
tools:ignore="UseCompoundDrawables">
```

```
<ImageView
    android:layout_width="198sp"
    android:layout_height="170dp"
    android:importantForAccessibility="no"
    android:src="@drawable/baseline_order_24" />
```

```
<TextView
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="@string/orders"
    android:textAlignment="center"
    android:textColor="@color/black"
    android:textSize="20sp"
    android:textStyle="bold" />
```

```
</LinearLayout>
```

```
</com.google.android.material.card.MaterialCardView>
```

```
<com.google.android.material.floatingactionbutton.FloatingActionButton
    android:id="@+id/btnLogout"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_margin="20dp"
    android:background="@drawable/button"
    android:src="@drawable/baseline_logout_24"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    android:importantForAccessibility="no" />
```

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

➤ activity_admin_menu

```
<?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="@color/white"
    android:orientation="vertical"
```

```

        android:padding="5dp"
        tools:context=".AdminMenuActivity">

        <GridView
            android:id="@+id/gridview"
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            android:layout_marginTop="55dp"
            android:columnWidth="185dp"
            android:gravity="center"
            android:numColumns="2"
            android:stretchMode="spacingWidthUniform"
            android:verticalSpacing="18dp"
            app:layout_constraintEnd_toEndOf="parent"
            app:layout_constraintStart_toStartOf="parent"
            app:layout_constraintTop_toBottomOf="@id/ll" />
        <LinearLayout
            android:id="@+id/ll"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            app:layout_constraintEnd_toEndOf="parent"
            app:layout_constraintStart_toStartOf="parent"
            app:layout_constraintTop_toTopOf="parent">

            <TextView
                android:id="@+id/tvHead"
                android:layout_width="255dp"
                android:layout_height="wrap_content"
                android:text="@string/menu"
                android:textAlignment="center"
                android:textColor="@color/black"
                android:textSize="38sp"
                android:textStyle="bold" />

            <Button
                android:id="@+id/btnCategory"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_gravity="center"
                android:text="@string/category"
                android:textSize="18sp" />
        </LinearLayout>

        <com.google.android.material.floatingactionbutton.FloatingActionButton
            android:id="@+id/btnAdd"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_margin="20dp"
            android:background="@drawable/button"
            android:importantForAccessibility="no"
            android:src="@drawable/baseline_add_24"
            app:layout_constraintBottom_toBottomOf="parent"

```

```

        app:layout_constraintEnd_toEndOf="parent"
        tools:ignore="ImageContrastCheck" />
</androidx.constraintlayout.widget.ConstraintLayout>

```

➤ Activity_admin_add_menu

```

<?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="@color/white"
android:padding="10dp"
tools:context=".AdminAddMenu">

```

```

<TextView
    android:id="@+id/tvHead"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="@string/add_items"
    android:textAlignment="center"
    android:textColor="@color/black"
    android:textSize="25sp"
    android:textStyle="bold"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />

```

```

<EditText
    android:id="@+id/edProductName"
    android:layout_width="350dp"
    android:layout_height="50dp"
    android:layout_marginTop="30dp"
    android:autofillHints=""
    android:background="@drawable/forget"
    android:hint="@string/enter_product_name"
    android:inputType="text"
    android:textColor="#A1887F"
    android:textColorHint="#A1887F"
    android:textSize="18sp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@id/tvHead"
    tools:ignore="VisualLintTextFieldSize" />

```

```

<EditText
    android:id="@+id/edPrice"
    android:layout_width="350dp"
    android:layout_height="50dp"

```

```

        android:layout_marginTop="20dp"
        android:autoFillHints=""
        android:background="@drawable/forget"
        android:hint="@string/enter_price"
        android:inputType="numberDecimal"
        android:textColor="#A1887F"
        android:textColorHint="#A1887F"
        android:textSize="18sp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@id/edProductName"
        tools:ignore="VisualLintTextFieldSize" />

```

```

<EditText
    android:id="@+id/edDesc"
    android:layout_width="350dp"
    android:layout_height="50dp"
    android:layout_marginTop="20dp"
    android:autoFillHints=""
    android:background="@drawable/forget"
    android:hint="@string/add_description"
    android:inputType="text"
    android:textColor="#A1887F"
    android:textColorHint="#A1887F"
    android:textSize="18sp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@id/edPrice"
    tools:ignore="VisualLintTextFieldSize" />

```

```

<TextView
    android:id="@+id/tvPath"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:textSize="28sp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@id/edDesc" />

```

```

<Spinner
    android:id="@+id/spCat"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="20dp"
    android:minHeight="48dp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@id/tvPath" />

```

```

<LinearLayout
    android:id="@+id/ll"
    android:layout_width="match_parent"

```



```

        android:layout_height="wrap_content"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@id/spCat">

        <Button
            android:id="@+id/btnAddPhoto"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_gravity="center"
            android:layout_marginStart="40dp"
            android:text="@string/add_photo" />

        <ImageView
            android:id="@+id/img"
            android:layout_width="150dp"
            android:layout_height="150dp"
            android:layout_marginStart="20dp"
            android:contentDescription="@string/image" />

    </LinearLayout>

    <ImageView
        android:id="@+id/img1"
        android:layout_width="124dp"
        android:layout_height="121dp"
        android:contentDescription="@string/image"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent" />

    <Button
        android:id="@+id/btnAdItem"
        android:layout_width="350dp"
        android:layout_height="50dp"
        android:background="@drawable/button"
        android:text="@string/add_item"
        android:textSize="18sp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@id/ll"
        android:layout_marginTop="20dp"
        tools:ignore="TextSizeCheck,VisualLintButtonSize" />

</androidx.constraintlayout.widget.ConstraintLayout>

```

➤ Activity_admin_category

```
<?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="@color/white"
    tools:context=".AdminCategoryActivity">

    <TextView
        android:id="@+id/tvHead"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="@string/category"
        android:textAlignment="center"
        android:textColor="@color/black"
        android:textSize="38sp"
        android:textStyle="bold"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <ListView
        android:id="@+id/categoryList"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="20dp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@id/tvHead"
        tools:ignore="VisualLintBounds" />

    <com.google.android.material.floatingactionbutton.FloatingActionButton
        android:id="@+id/btnAdd"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_margin="20dp"
        android:background="@drawable/button"
        android:importantForAccessibility="no"
        android:src="@drawable/baseline_add_24"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        tools:ignore="ImageContrastCheck" />

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

➤ Activity_admin_add_category

```
<?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=".AdminAddCategory"
android:background="@color/white">
<TextView
    android:id="@+id/tvHead"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="@string/add_category"
    android:textAlignment="center"
    android:textColor="@color/black"
    android:textSize="25sp"
    android:textStyle="bold"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />
<EditText
    android:id="@+id/edCategory"
    android:layout_width="350dp"
    android:layout_height="50dp"
    android:layout_marginTop="30dp"
    android:autofillHints=""
    android:background="@drawable/forget"
    android:hint="@string/add_category"
    android:inputType="text"
    android:textColor="#A1887F"
    android:textColorHint="#A1887F"
    android:textSize="18sp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@id/tvHead"
    tools:ignore="VisualLintTextFieldSize,DuplicateSpeakableTextCheck" />

<Button
    android:id="@+id/btnAdItem"
    android:layout_width="350dp"
    android:layout_height="50dp"
    android:layout_marginTop="30dp"
    android:background="@drawable/button"
    android:text="@string/add_category"
    android:textSize="18sp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@id/edCategory"
    tools:ignore="TextSizeCheck,VisualLintButtonSize" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

➤ Activity_attender_list

```
<?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="@color/white"
    android:padding="10dp"
    tools:context=".ActivityAttenderList">

    <TextView
        android:id="@+id/tvHead"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="@string/attender_list"
        android:textAlignment="center"
        android:textColor="@color/black"
        android:textSize="25sp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <ListView
        android:id="@+id/attenderList"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="20dp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@id/tvHead"
        tools:ignore="VisualLintBounds" />

    <com.google.android.material.floatingactionbutton.FloatingActionButton
        android:id="@+id/btnAdd"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_margin="20dp"
        android:background="@drawable/button"
        android:importantForAccessibility="no"
        android:src="@drawable/baseline_add_24"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        tools:ignore="ImageContrastCheck" />

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

➤ Activity_add_attenders

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@color/white"
    android:gravity="center_horizontal"
    android:orientation="vertical"
    tools:context=".ActivityAddAttender">

    <ImageView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:importantForAccessibility="no"
        android:src="@drawable/logo" />

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="30dp"
        android:text="@string/welcome"
        android:textColor="@color/black"
        android:textSize="45sp"
        android:textStyle="bold" />

    <EditText
        android:id="@+id/edUsername"
        android:layout_width="350dp"
        android:layout_height="50dp"
        android:layout_marginTop="30dp"
        android:autofillHints=""
        android:background="@drawable/forget"
        android:hint="@string/enter_attender_id"
        android:inputType="text"
        android:textColor="#A1887F"
        android:textColorHint="#A1887F"
        android:textSize="18sp"
        tools:ignore="VisualLintTextFieldSize" />

    <EditText
        android:id="@+id/edPassword"
        android:layout_width="350dp"
        android:layout_height="50dp"
        android:layout_marginTop="20dp"
        android:autofillHints=""
        android:background="@drawable/forget"
        android:hint="@string/enter_password"
        android:inputType="textPassword"
        android:textColor="#A1887F"
        android:textColorHint="#A1887F"
        android:textSize="18sp"
```

```

        tools:ignore="VisualLintTextFieldSize" />

<Button
    android:id="@+id/btnLogin"
    android:layout_width="350dp"
    android:layout_height="50dp"
    android:layout_marginTop="30dp"
    android:background="@drawable/button"
    android:text="@string/add_attender"
    android:textSize="18sp"
    tools:ignore="TextSizeCheck,VisualLintButtonSize" />

</LinearLayout>

```

➤ Activity_show_all_orders

```

<?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="@color/white"
    tools:context=".ShowAllOrdersActivity">

    <TextView
        android:id="@+id/tvHead"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="@string/order_list"
        android:textAlignment="center"
        android:textColor="@color/black"
        android:textSize="25sp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <ListView
        android:id="@+id/attenderList"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="20dp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@id/tvHead"
        tools:ignore="VisualLintBounds" />

</androidx.constraintlayout.widget.ConstraintLayout>

```

➤ Xml files

➤ attender_list and category_layout

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@color/white">

    <TextView
        android:id="@+id/list_item_string_number"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:paddingStart="5dp"
        android:text="@string/demo"
        android:visibility="gone"
        android:layout_alignParentStart="true"
        android:textColor="@color/black"
        android:textSize="20sp"
        android:textStyle="bold"
        tools:ignore="RtlSymmetry" />

    <TextView
        android:id="@+id/list_item_string"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:paddingStart="5dp"
        android:text="@string/demo"
        android:layout_alignParentStart="true"
        android:textColor="@color/black"
        android:textSize="20sp"
        android:textStyle="bold"
        tools:ignore="RtlSymmetry" />

    <Button
        android:id="@+id/delete_btn"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginEnd="5dp"
        android:layout_alignParentEnd="true"
        android:text="@string/delete" />

</RelativeLayout>
```

➤ Menu_layout

```
<?xml version="1.0" encoding="utf-8"?>
<com.google.android.material.card.MaterialCardView
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/cardViewMenu"
android:layout_width="185dp"
android:layout_height="250dp"
android:background="@color/white"
android:orientation="vertical"
app:cardBackgroundColor="@color/white"
app:cardCornerRadius="25dp"
app:cardElevation="10dp"
tools:ignore="TextSizeCheck">
```

```
<LinearLayout
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:background="@color/white"
    android:orientation="vertical"
    tools:ignore="UseCompoundDrawables">
```

```
<TextView
    android:id="@+id/tvID"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text=""
    android:visibility="gone" />
```

```
<com.google.android.material.card.MaterialCardView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:background="@color/white"
    app:cardBackgroundColor="@color/white"
    app:cardCornerRadius="20dp"
    android:layout_margin="5sp">
```

```
<ImageView
    android:id="@+id/imgLogo"
    android:layout_width="175sp"
    android:layout_height="115dp"
    android:importantForAccessibility="no"
    android:src="@drawable/menu" />
```

```
</com.google.android.material.card.MaterialCardView>
```

```
<TextView
    android:id="@+id/tvName"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="@string/menu"
```



```

        android:textAlignment="center"
        android:textColor="@color/black"
        android:textSize="24sp"
        android:textStyle="bold" />

<TextView
    android:id="@+id/tvDesc"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:visibility="gone" />

<TextView
    android:id="@+id/tvPrice"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:textAlignment="center"
    android:textColor="@color/black"
    android:textSize="24sp"
    android:textStyle="bold" />

<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:background="@color/white"
    android:gravity="center">

    <Button
        android:id="@+id/upd_btn"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginEnd="2dp"
        android:text="@string/update"
        android:textSize="11sp"
        tools:ignore="ButtonStyle,TouchTargetSizeCheck" />

    <Button
        android:id="@+id/delete_btn"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="@string/delete"
        android:textSize="11sp"
        tools:ignore="ButtonStyle,TouchTargetSizeCheck" />
</LinearLayout>
</LinearLayout>
</com.google.android.material.card.MaterialCardView>

```

➤ Order_layout

```
<?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="@color/white">
```

```
<TableRow
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent">
```

```
<androidx.constraintlayout.widget.ConstraintLayout
    android:layout_width="match_parent"
    android:layout_height="match_parent">
```

```
<TextView
    android:id="@+id/list_item_string_number"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:paddingStart="5dp"
    android:text="@string/demo"
    android:textColor="@color/black"
    android:textSize="20sp"
    android:textStyle="bold"
    android:visibility="gone"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    tools:ignore="RtlSymmetry" />
```

```
<TextView
    android:id="@+id/list_item_string"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:paddingStart="5dp"
    android:text="@string/demo"
    android:textColor="@color/black"
    android:textSize="20sp"
    android:textStyle="bold"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    tools:ignore="RtlSymmetry" />
```

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

```

        android:layout_height="wrap_content"
        android:paddingStart="5dp"
        android:text="@string/demo"
        android:textColor="@color/black"
        android:textSize="20sp"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@id/list_item_string"
        tools:ignore="RtlSymmetry" />

<Button
    android:id="@+id/delete_btn"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginEnd="5dp"
    android:text="@string/delete"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintTop_toTopOf="parent" />

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

</androidx.constraintlayout.widget.ConstraintLayout>

```

➤ Order_layout2

```

<?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="@color/white">

    <TableRow
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent">

        <androidx.constraintlayout.widget.ConstraintLayout
            android:layout_width="match_parent"
            android:layout_height="match_parent">

            <TextView
                android:id="@+id/list_item_string_number"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:paddingStart="5dp"

```

```
    android:text="@string/demo"
    android:textColor="@color/black"
    android:textSize="20sp"
    android:textStyle="bold"
    android:visibility="gone"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    tools:ignore="RtlSymmetry" />
```

```
<TextView
    android:id="@+id/list_item_string"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:paddingStart="5dp"
    android:text="@string/demo"
    android:textColor="@color/black"
    android:textSize="20sp"
    android:textStyle="bold"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    tools:ignore="RtlSymmetry" />
```

```
<TextView
    android:id="@+id/list_item_string_tblNo"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:paddingStart="5dp"
    android:text="@string/demo"
    android:textColor="@color/black"
    android:textSize="20sp"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@id/list_item_string"
    tools:ignore="RtlSymmetry" />
```

```
</androidx.constraintlayout.widget.ConstraintLayout>
</TableRow>
```

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

➤ Source code

➤ MainActivity

```
class ActivityWelcome : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_welcome)
        val btnAttender = findViewById<Button>(R.id.btnAttender)
        val btnAdmin = findViewById<Button>(R.id.btnAdmin)
        btnAttender.setOnClickListener {
            intent = Intent(this, ActivityAttender::class.java)
            startActivity(intent)
        }
        btnAdmin.setOnClickListener {
            intent = Intent(this, ActivityAdmin::class.java)
            startActivity(intent)
        }
    }
}
```

➤ attender_activity

```
class ActivityAttender : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_attender)

        val dbHelper = DatabaseHelper(this)
        val username = findViewById<EditText>(R.id.edUsername)
        val password = findViewById<EditText>(R.id.edPassword)
        val login = findViewById<Button>(R.id.btnLogin)

        val sharedPreferences =
            applicationContext.getSharedPreferences("my_pref", Context.MODE_PRIVATE)

        var user = sharedPreferences.getString("uname", "")

        val check = dbHelper.checkUser(user!!)
        if (check != 1) {
            val editor = sharedPreferences.edit()
            editor.remove("uname")
            editor.remove("pass")
            editor.apply()
        }

        user = sharedPreferences.getString("uname", "")

        if (user!!.length > 0) {
            intent = Intent(this, ActivityAttenderHome::class.java)
            startActivity(intent)
            finish()
        }

        login.setOnClickListener {
            val res: Int = dbHelper.login(username.text.toString(), password.text.toString())
            if (res > 0) {
                val editor = sharedPreferences.edit()
                editor.putString("uname", username.text.toString())
                editor.putString("pwd", password.text.toString())
                editor.apply()
                intent = Intent(this, ActivityAttenderHome::class.java)
                startActivity(intent)
                finish()
            } else {
                Toast.makeText(this, "Wrong username or password..!!", Toast.LENGTH_LONG).show()
            }
        }
    }
}
```

➤ Activity_attender_home

```
class ActivityAttenderHome : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_attender_home)
        val sharedPreferences = applicationContext.getSharedPreferences("my_pref",
Context.MODE_PRIVATE)
        DatabaseHelper(this)
        val dbHelper = DatabaseHelper(this)
        val gridView = findViewById<GridView>(R.id.gridview)
        val res = dbHelper.showMenu()
        val menuadapter = attenderMenuAdapter(this, res)
        gridView.adapter = menuadapter
        val btnLogout =
findViewById<com.google.android.material.floatingactionbutton.FloatingActionButton>(R.id.btnLog
out)
        btnLogout.setOnClickListener {
            val editor = sharedPreferences.edit()
            editor.remove("uname")
            editor.remove("pass")
            editor.apply()
            intent = Intent(this,ActivityAttender::class.java)
            startActivity(intent)
            finish()
        }
    }
}
```

➤ Attender_menu_adapter

```
class attenderMenuAdapter(
    private val context: Context,
    private val MenuModel: List<menuModel>
):
    BaseAdapter() {
        private var layoutInflater: LayoutInflater? = null
        private lateinit var PName: TextView
        private lateinit var PID: TextView
        private lateinit var img1: ImageView
        private lateinit var tvPrice: TextView
        private lateinit var tvDesc: TextView
        private lateinit var bitmap: Bitmap
        val dbHelper = DatabaseHelper(context)
        private lateinit var btnBuyNow : Button

        override fun getCount(): Int {
            return MenuModel.size
        }
    }
}
```

```

        override fun getItem(position: Int): menuModel {
            return MenuModel[position]
        }

        override fun getItemId(position: Int): Long {
            return MenuModel[position].productId.toLong()
        }

        @SuppressWarnings("SetText18n")
        override fun getView(position: Int, convertView: View?, parent: ViewGroup?): View {
            var convertView = convertView
            if (layoutInflater == null) {
                layoutInflater =
                    context.getSystemService(Context.LAYOUT_INFLATER_SERVICE) as LayoutInflater
            }
            if (convertView == null) {
                convertView = layoutInflater!!.inflate(R.layout.attender_menu_layout, null)
            }
            img1 = convertView!!.findViewById(R.id.imgLogo)
            btnBuyNow = convertView.findViewById(R.id.btnBuyNow)
            PID = convertView.findViewById(R.id.tvID)
            PName = convertView.findViewById(R.id.tvName)
            tvPrice = convertView.findViewById(R.id.tvPrice)
            tvDesc = convertView.findViewById(R.id.tvDesc)

            val listItem = getItem(position) as menuModel

            val img = listItem.img

            img1.setImageBitmap(BitmapFactory.decodeByteArray(img, 0, img.size))
            PName.text = MenuModel[position].productName
            tvPrice.text = MenuModel[position].price + " \u20B9"
            tvDesc.text = MenuModel[position].desc
            PID.text = MenuModel[position].productId.toString()

            btnBuyNow.setOnClickListener {
                val intent = Intent(context, ActivityOrderNow::class.java)
                intent.putExtra("ID", MenuModel[position].productId.toString())
                context.startActivity(intent)
            }
            return convertView
        }
    }
}

```

➤ activity_order_now

```

class ActivityOrderNow : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_order_now)
    }
}

```



```

val ID: String = intent.extras?.getString("ID").toString()
val QTY = arrayOf<Any?>("--Select quantity--", "1", "2", "3", "4", "5", "6", "7", "8", "9", "10")
val tblNo = arrayOf("--Select Table Number--", "1", "2", "3", "4", "5")
val Pname = findViewById<TextView>(R.id.pname)
val Price = findViewById<TextView>(R.id.price)
val img = findViewById<ImageView>(R.id.img)
val qty = findViewById<Spinner>(R.id.qty)
val tblNo = findViewById<Spinner>(R.id.tblNo)
val btnBuyNow = findViewById<Button>(R.id.btnBuyNow)
val dbHelper = DatabaseHelper(this)

val res = dbHelper.buyNow(ID)

var name: String
var price: String
var Img: ByteArray

while (res!!.moveToNext()) {
    name = res.getString(1)
    price = res.getString(2)
    Img = res.getBlob(5)

    img.setImageBitmap(BitmapFactory.decodeByteArray(Img, 0, Img.size))
    Pname.text = name
    Price.text = price
}

val adapter = ArrayAdapter<Any?>(this, R.layout.spinner_list, QTY)
adapter.setDropDownViewResource(R.layout.spinner_list)
qty.adapter = adapter

val adapterTbl = ArrayAdapter<Any?>(this, R.layout.spinner_list, tblNo)
adapterTbl.setDropDownViewResource(R.layout.spinner_list)
tblNo.adapter = adapterTbl

val p = Integer.parseInt(Price.text.toString())
var Qty : String = ""
var tbl : String = ""

val spinnerItemClickListener = object : AdapterView.OnItemClickListener {
    override fun onItemClick(
        parent: AdapterView<*>?,
        view: View?,
        position: Int,
        id: Long
    ) {
        Qty = qty.selectedItem.toString()
    }
    override fun onNothingSelected(parent: AdapterView<*>?) {
        // Your code here
    }
}

```

```

    }

    val spinnerItemClickListener2 = object : AdapterView.OnItemClickListener {
        override fun onItemClick(
            parent: AdapterView<*>?,
            view: View?,
            position: Int,
            id: Long
        ) {
            tbl = tblno.selectedItem.toString()
        }
        override fun onNothingSelected(parent: AdapterView<*>?) {
            // Your code here
        }
    }

    qty.onItemSelectedListener = spinnerItemClickListener
    tblno.onItemSelectedListener = spinnerItemClickListener2

    btnBuyNow.setOnClickListener {
        if (Qty == "--Select quantity--" || tbl == "--Select Table Number--"){
            Toast.makeText(this, "Select Quantity & table number", Toast.LENGTH_SHORT).show()
        }else{
            Price.text = (p * Integer.parseInt(qty.selectedItem.toString())).toString()
            dbHelper.order(Pname.text.toString(),Qty,tbl,Price.text.toString())
            intent = Intent(this,AdminOrdersActivity::class.java)
            startActivity(intent)
        }
    }
}
}
}

```

➤ activity_admin_orders

```
class AdminOrdersActivity : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_admin_orders)

        val dbHelper = DatabaseHelper(this)

        val res = dbHelper.seesOrder

        //generate list
        val list = arrayListOf<String>()
        val list1 = arrayListOf<String>()
        val list2 = arrayListOf<String>()
        val list3 = arrayListOf<String>()
        val list4 = arrayListOf<String>()
        while (res.moveToNext()) {
            val row1 = res.getString(0)
            list1.add(row1)
            val row = res.getString(1)
            list.add(row)
            val row2 = res.getString(2)
            list2.add(row2)
            val row3 = res.getString(3)
            list3.add(row3)
            val row4 = res.getString(4)
            list4.add(row4)
        }

        //instantiate custom adapter
        val adapter = orderAdapter2(list1, list, list2, list3, list4, this)

        //handle listview and assign adapter
        val IView = findViewById<View>(R.id.attenderList) as ListView
        IView.adapter = adapter
    }
}
```

➤ activity_admin

```
class ActivityAdmin : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_admin)

        val sharedPreferences = applicationContext.getSharedPreferences("my_pref",
            Context.MODE_PRIVATE)

        val User = sharedPreferences.getString("aname", "")
    }
}
```

```

        if (User!!.length>0){
            intent = Intent(this,AdminOptionActivity::class.java)
            startActivity(intent)
            finish()
        }

        var dbHelper = DatabaseHelper(this)
        var username = findViewById<EditText>(R.id.edUsername)
        var password = findViewById<EditText>(R.id.edPassword)
        var login = findViewById<Button>(R.id.btnLogin)

        login.setOnClickListener {
            var res: Int = dbHelper.admin(username.text.toString(), password.text.toString())

            val editor = sharedPreferences.edit()
            editor.putString("aname", username.text.toString())
            editor.putString("pass", password.text.toString())
            val success = editor.commit()

            if (res > 0) {
                intent = Intent(this, AdminOptionActivity::class.java)
                startActivity(intent)
                username.text.clear()
                password.text.clear()
                password.clearFocus()
                username.clearFocus()
                finish()
            } else {
                Toast.makeText(this, "Wrong username or password..!!", Toast.LENGTH_LONG).show()
            }
        }
    }
}

```

➤ admin_option_activity

```

class AdminOptionActivity : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.admin_option_activity)

        val cardViewMenu = findViewById<CardView>(R.id.cardViewMenu)
        val cardViewAttender = findViewById<CardView>(R.id.cardViewAttender)
        val cardViewOrders = findViewById<CardView>(R.id.cardViewOrders)
        val btnLogout = findViewById<FloatingActionButton>(R.id.btnLogout)
        val sharedPreferences =
            applicationContext.getSharedPreferences("my_pref", Context.MODE_PRIVATE)
        val dbHelper = DatabaseHelper(this)

        cardViewMenu.setOnClickListener {

```

```

        intent = Intent(this, AdminMenuActivity::class.java)
        startActivity(intent)
    }

    cardViewAttender.setOnClickListener {
        intent = Intent(this, ActivityAttenderList::class.java)
        startActivity(intent)
    }
    cardViewOrders.setOnClickListener {
        intent = Intent(this, ShowAllOrdersActivity::class.java)
        startActivity(intent)
    }

    btnLogout.setOnClickListener {
        val editor = sharedPreferences.edit()
        editor.remove("aname")
        editor.remove("pass")
        editor.apply()
        intent = Intent(this, ActivityAdmin::class.java)
        startActivity(intent)
        finish()
    }
}
}

```

➤ activity_admin_menu

```

class AdminMenuActivity : AppCompatActivity() {
    private lateinit var bitmap: Bitmap

    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_admin_menu)

        val btnAddMenu = findViewById<FloatingActionButton>(R.id.btnAdd)
        val btnCategory = findViewById<Button>(R.id.btnCategory)
        val dbHelper = DatabaseHelper(this)
        val gridView = findViewById<GridView>(R.id.gridview)

        val res = dbHelper.showMenu()
        val menuadapter = menuAdapter(this, res)
        gridView.adapter = menuadapter

        btnAddMenu.setOnClickListener {
            intent = Intent(this, AdminAddMenu::class.java)
            startActivity(intent)
            finish()
        }
    }
}

```

```

    }

    btnCategory.setOnClickListener {
        intent = Intent(this, AdminCategoryActivity::class.java)
        startActivity(intent)
    }
}
}

```

➤ menuAdapter

```

class menuAdaapter(
    private val context: Context,
    private var MenuModel: List<menuModel>
):
    BaseAdapter() {
        private var layoutInflater: LayoutInflater? = null
        private lateinit var PName: TextView
        private lateinit var PID: TextView
        private lateinit var tvPrice: TextView
        private lateinit var tvDesc: TextView
        private lateinit var img1: ImageView
        val dbHelper = DatabaseHelper(context)

        override fun getCount(): Int {
            return MenuModel.size
        }

        override fun getItem(position: Int): menuModel {
            return MenuModel[position]
        }

        override fun getItemId(position: Int): Long {
            return MenuModel[position].productId.toLong()
        }

        @SuppressWarnings("SetTextI18n")
        override fun getView(position: Int, convertView: View?, parent: ViewGroup?): View? {

            var convertView = convertView
            if (layoutInflater == null) {
                layoutInflater =
                    context.getSystemService(Context.LAYOUT_INFLATER_SERVICE) as LayoutInflater
            }
            if (convertView == null) {
                convertView = layoutInflater!!.inflate(R.layout.menu_layout, null)
            }
            img1 = convertView!!.findViewById(R.id.imgLogo)
            val btnUpdate = convertView.findViewById<Button>(R.id.upd_btn)
            val btnDelete = convertView.findViewById<Button>(R.id.delete_btn)
            PID = convertView.findViewById(R.id.tvID)

```

```

PName = convertView.findViewById(R.id.tvName)
tvPrice = convertView.findViewById(R.id.tvPrice)
tvDesc = convertView.findViewById(R.id.tvDesc)

val listItem = getItem(position) as menuModel

val img = listItem.img

img1.setImageBitmap(BitmapFactory.decodeByteArray(img, 0, img.size))
PName.text = MenuModel[position].productName
tvPrice.text = MenuModel[position].price + " \u20B9"
tvDesc.text = MenuModel[position].desc
PID.text = MenuModel[position].productId.toString()

btnUpdate.setOnClickListener {
    val intent = Intent(context, AdminUpdateActivity::class.java)
    intent.putExtra("id", MenuModel[position].productId.toString())
    intent.putExtra("name", MenuModel[position].productName)
    intent.putExtra("desc", MenuModel[position].desc)
    intent.putExtra("price", MenuModel[position].price)
    convertView.context.startActivity(intent)
}

btnDelete.setOnClickListener {
    dbHelper.deleteItem(MenuModel[position].productId.toString())
    refreshData(dbHelper.showMenu())
}
return convertView
}

private fun refreshData(newmyData: List<menuModel>) {
    MenuModel = newmyData
    notifyDataSetChanged()
}
}

```

➤ Activity_admin_add_menu

```

class AdminAddMenu : AppCompatActivity() {
    internal var dbHelper = DatabaseHelper(this)
    private val GALLERY_PERMISSION_CODE = 101
    private val SELECT_IMAGE_REQUEST_CODE = 201
    private lateinit var img: ImageView
    private lateinit var spCat: Spinner
    private var imagePath: ByteArray? = null

    @SuppressWarnings("Range")
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_admin_add_menu)
    }
}

```

```

        img = findViewById(R.id.img)
        val btnAddPhoto = findViewById<Button>(R.id.btnAddPhoto)
        val btnAddItem = findViewById<Button>(R.id.btnAddItem)
        val edProductName = findViewById<EditText>(R.id.edProductName)
        val edPrice = findViewById<EditText>(R.id.edPrice)
        val edDesc = findViewById<EditText>(R.id.edDesc)

        val dbHelper = DatabaseHelper(this)
        spCat = findViewById(R.id.spCat)

        btnAddItem.setOnClickListener {
            val category :String = spCat.selectedItem.toString()
            val res =
            dbHelper.addMenu(edProductName.text.toString(),Integer.parseInt(edPrice.text.toString()),category, edDesc.text.toString(), imagePath)
            if (res > 0){
                intent = Intent(this,AdminMenuActivity::class.java)
                startActivity(intent)
                finish()
            }
        }

        btnAddPhoto.setOnClickListener {
            checkGalleryPermission()
        }

        val res = dbHelper.showCategory()

        if (res!!.count > 0){
            val list1 = arrayListOf<String>()
            while (res.moveToNext()) {
                val row1 = res.getString(1)
                list1.add(row1)
            }
            val arrayAdapter = ArrayAdapter(this, android.R.layout.simple_spinner_dropdown_item,
list1)
            spCat.adapter = arrayAdapter
        }
        else{
            intent = Intent(this,AdminAddCategory::class.java)
            startActivity(intent)
        }
    }

    private fun checkGalleryPermission() {
        if (ContextCompat.checkSelfPermission(this, Manifest.permission.READ_EXTERNAL_STORAGE)
            != PackageManager.PERMISSION_GRANTED
        ) {
            openGallery()
        } else {

```



```

        ActivityCompat.requestPermissions(
            this,
            arrayOf(Manifest.permission.READ_EXTERNAL_STORAGE),
            GALLERY_PERMISSION_CODE
        )
    }
}

private fun openGallery() {
    val intent = Intent(Intent.ACTION_PICK, MediaStore.Images.Media.EXTERNAL_CONTENT_URI)
    startActivityForResult(intent, SELECT_IMAGE_REQUEST_CODE)
}

override fun onRequestPermissionsResult(
    requestCode: Int,
    permissions: Array<out String>,
    grantResults: IntArray
) {
    super.onRequestPermissionsResult(requestCode, permissions, grantResults)
    if (requestCode == GALLERY_PERMISSION_CODE) {
        if (grantResults.isNotEmpty() && grantResults[0] ==
PackageManager.PERMISSION_GRANTED) {
            openGallery()
        }
    }
}

override fun onActivityResult(requestCode: Int, resultCode: Int, data: Intent?) {
    super.onActivityResult(requestCode, resultCode, data)
    if (resultCode == Activity.RESULT_OK) {
        when (requestCode) {
            SELECT_IMAGE_REQUEST_CODE -> {
                val imageUri = data?.data
                val inputStream = contentResolver.openInputStream(imageUri!!)
                val imageBitmap = BitmapFactory.decodeStream(inputStream)
                imagePath = bitmapToByteArray(imageBitmap)
                img.setImageBitmap(imageBitmap)
                saveImageToGallery(imageBitmap)
            }
        }
    }
}

fun bitmapToByteArray(bitmap: Bitmap, format: Bitmap.CompressFormat =
Bitmap.CompressFormat.PNG, quality: Int = 100): ByteArray {
    val outputStream = ByteArrayOutputStream()
    bitmap.compress(format, quality, outputStream)
    return outputStream.toByteArray()
}

private fun saveImageToGallery(bitmap: Bitmap) {
    val fileName = "image_${System.currentTimeMillis()}.jpg"
    val outputStream: OutputStream

```

```

try {
    val imageFile = File(getExternalFilesDir(null), fileName)
    outputStream = FileOutputStream(imageFile)
    bitmap.compress(Bitmap.CompressFormat.JPEG, 100, outputStream)
    outputStream.flush()
    outputStream.close()

    // Add the image to the device's gallery
    MediaStore.Images.Media.insertImage(
        contentResolver,
        imageFile.absolutePath,
        fileName,
        "Image saved from ImageApp"
    )
} catch (e: Exception) {
    e.printStackTrace()
}
}
}

```

➤ Activity_admin_category

```

class AdminCategoryActivity : AppCompatActivity() {

    private lateinit var coursesGV: ListView

    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_admin_category)

        val btnAddMenu = findViewById<FloatingActionButton>(R.id.btnAdd)
        val dbHelper = DatabaseHelper(this)

        coursesGV = findViewById(R.id.categoryList)
        val res = dbHelper.showCategory()

        val list = arrayListOf<String>()
        val list1 = arrayListOf<String>()
        while (res!!.moveToNext()) {
            val row1 = res.getString(0)
            list1.add(row1)
            val row = res.getString(1)
            list.add(row)
        }
        val adapter = categoryAdapter(list1, list, this)
        coursesGV.adapter = adapter

        btnAddMenu.setOnClickListener {
            intent = Intent(this, AdminAddCategory::class.java)
            startActivity(intent)
            finish()
        }
    }
}

```

```

    }
}
}

```

➤ categoryAdapter

```

public class categoryAdapter extends BaseAdapter implements ListAdapter {
    private ArrayList<String> list = new ArrayList<String>();
    private ArrayList<String> listNumber = new ArrayList<String>();
    private final Context context;

    public categoryAdapter(ArrayList<String> listNumber, ArrayList<String> list, Context context) {
        this.list = list;
        this.listNumber = listNumber;
        this.context = context;
    }

    @Override
    public int getCount() {
        return listNumber.size();
    }

    @Override
    public Object getItem(int pos) {
        return listNumber.get(pos);
    }

    @Override
    public long getItemId(int pos) {
        return 0;
        //just return 0 if your list items do not have an Id variable.
    }

    @SuppressWarnings("InflateParams")
    @Override
    public View getView(final int position, View convertView, ViewGroup parent) {
        View view = convertView;
        if (view == null) {
            LayoutInflater inflater = (LayoutInflater)
context.getSystemService(Context.LAYOUT_INFLATER_SERVICE);
            view = inflater.inflate(R.layout.category_layout, null);
        }

        //Handle TextView and display string from your list
        TextView listItemText = (TextView) view.findViewById(R.id.list_item_string);
        TextView listItemTextNumber = (TextView) view.findViewById(R.id.list_item_string_number);
        listItemText.setText(list.get(position).toString());
        listItemTextNumber.setText(listNumber.get(position).toString());

        //Handle buttons and add onClickListeners
    }
}

```

```

Button deleteBtn = (Button) view.findViewById(R.id.delete_btn);

deleteBtn.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        SharedPreferences sharedPreferences =
context.getSharedPreferences("my_pref",Context.MODE_PRIVATE);
        //do something
        DatabaseHelper dbHelper = new DatabaseHelper(context);
        dbHelper.deleteCat(String.valueOf(listNumber.get(position)));
        listNumber.remove(listNumber.get(position)); //or some other task
        notifyDataSetChanged();
    }
});

return view;
}
}

```

➤ Activity_admin_add_category

```

class AdminAddCategory : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_admin_add_category)

        val edCategory = findViewById<EditText>(R.id.edCategory)
        val btnAdItem = findViewById<Button>(R.id.btnAdItem)
        val dbHelper = DatabaseHelper(this)
        btnAdItem.setOnClickListener {
            dbHelper.addCategory(edCategory.text.toString())
            intent = Intent(this,AdminCategoryActivity::class.java)
            startActivity(intent)
            finish()
        }
    }
}

```

➤ Activity_attender_list

```

class ActivityAttenderList : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_attender_list)

        val dbHelper = DatabaseHelper(this)

        val btnAddAttender = findViewById<FloatingActionButton>(R.id.btnAdd)
        val res = dbHelper.allData

        //generate list
    }
}

```

```

        val list = arrayListOf<String>()
        val list1 = arrayListOf<String>()
        while (res.moveToNext()) {
            val row1 = res.getString(0)
            list1.add(row1)
            val row = res.getString(1)
            list.add(row)
        }

        //instantiate custom adapter
        val adapter = attenderAdapter(list1, list, this)

        //handle listview and assign adapter
        val lView = findViewById<View>(R.id.attenderList) as ListView
        lView.adapter = adapter

        btnAddAttender.setOnClickListener {
            intent = Intent(this, ActivityAddAttender::class.java)
            startActivity(intent)
            finish()
        }
    }
}

```

➤ Activity_add_attenders

```

class ActivityAddAttender : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_add_attender)

        var dbHelper = DatabaseHelper(this)
        var username = findViewById<EditText>(R.id.edUsername)
        var password = findViewById<EditText>(R.id.edPassword)
        var login = findViewById<Button>(R.id.btnLogin)

        login.setOnClickListener {
            val res : Long = dbHelper.addUser(username.text.toString(),password.text.toString())
            if (res > 0){
                Toast.makeText(this,"Attender add Successfully..!!",Toast.LENGTH_LONG).show()
                intent = Intent(this,ActivityAttenderList::class.java)
                startActivity(intent)
                finish()
            }else{
                Toast.makeText(this,"Attender not added please try
again..!!",Toast.LENGTH_LONG).show()
            }
        }
    }
}

```

➤ attenderAdapter

```
public class attenderAdapter extends BaseAdapter implements ListAdapter {
    private ArrayList<String> list = new ArrayList<String>();
    private ArrayList<String> listNumber = new ArrayList<String>();
    private final Context context;

    public attenderAdapter(ArrayList<String> listNumber, ArrayList<String> list, Context context) {
        this.list = list;
        this.listNumber = listNumber;
        this.context = context;
    }

    @Override
    public int getCount() {
        return list.size();
    }

    @Override
    public Object getItem(int pos) {
        return list.get(pos);
    }

    @Override
    public long getItemId(int pos) {
        return 0;
        //just return 0 if your list items do not have an Id variable.
    }

    @SuppressWarnings("InflateParams")
    @Override
    public View getView(final int position, View convertView, ViewGroup parent) {
        View view = convertView;
        if (view == null) {
            LayoutInflater inflater = (LayoutInflater)
context.getSystemService(Context.LAYOUT_INFLATER_SERVICE);
            view = inflater.inflate(R.layout.attender_list, null);
        }

        //Handle TextView and display string from your list
        TextView listItemText = (TextView) view.findViewById(R.id.list_item_string);
        TextView listItemTextNumber = (TextView) view.findViewById(R.id.list_item_string_number);
        listItemText.setText(list.get(position));
        listItemTextNumber.setText(listNumber.get(position));

        //Handle buttons and add onClickListeners
        Button deleteBtn = (Button) view.findViewById(R.id.delete_btn);

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

```

        SharedPreferences sharedPreferences =
context.getSharedPreferences("my_pref",Context.MODE_PRIVATE);
        //do something
        DatabaseHelper dbHelper = new DatabaseHelper(context);
        dbHelper.deleteData(listNumber.get(position));
        list.remove(position); //or some other task
        notifyDataSetChanged();
    }
    });

    return view;
}
}

```

➤ Activity_show_all_orders

```

class ShowAllOrdersActivity : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_show_all_orders)

        val dbHelper = DatabaseHelper(this)

        val res = dbHelper.seeOrder

        //generate list
        val list = arrayListOf<String>()
        val list1 = arrayListOf<String>()
        val list2 = arrayListOf<String>()
        val list3 = arrayListOf<String>()
        val list4 = arrayListOf<String>()
        while (res.moveToNext()) {
            val row1 = res.getString(0)
            list1.add(row1)
            val row = res.getString(1)
            list.add(row)
            val row2 = res.getString(2)
            list2.add(row2)
            val row3 = res.getString(3)
            list3.add(row3)
            val row4 = res.getString(4)
            list4.add(row4)
        }

        //instantiate custom adapter
        val adapter = orderAdapter(list1, list, list2, list3, list4, this)

        //handle listview and assign adapter
        val IView = findViewById<View>(R.id.attenderList) as ListView
        IView.adapter = adapter

    }
}

```

➤ menuModel

package com.example.miniproject

```
class menuModel(var productId: Int, var productName: String, var img: ByteArray, var price : String,  
var desc : String)
```


➤ Database Helper

```
package com.example.miniproject
```

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

```
class DatabaseHelper(context: Context) : SQLiteOpenHelper(context, DATABASE_NAME, null, 1) {
    companion object {
        const val DATABASE_NAME = "RestaurantDB.db"
    }

    override fun onCreate(db: SQLiteDatabase?) {
        db!!.execSQL("CREATE TABLE tblUser(UserID INTEGER PRIMARY KEY AUTOINCREMENT,UNAME TEXT, PASSWORD TEXT)")
        with(db) {
            execSQL("CREATE TABLE tblAdmin(AdminID INTEGER PRIMARY KEY AUTOINCREMENT,UNAME TEXT, PASSWORD TEXT)")
            execSQL("CREATE TABLE tblCategory(CategoryID INTEGER PRIMARY KEY AUTOINCREMENT,CATEGORY TEXT)")
            execSQL(
                "CREATE TABLE tblProduct(ProductID INTEGER PRIMARY KEY AUTOINCREMENT,ProductName TEXT,PRICE INTEGER,CategoryName TEXT,DESCRIPTION TEXT,image BLOB," +
                "FOREIGN KEY(CategoryName) REFERENCES tblCategory(CATEGORY))"
            )
            execSQL("CREATE TABLE tblOrder(OrderID INTEGER PRIMARY KEY AUTOINCREMENT,ProductName TEXT,QUANTITY INTEGER,TableNumber TEXT,TotalPrice TEXT)")
        }

        val contentValues = ContentValues()
        contentValues.put("UNAME", "dev")
        contentValues.put("PASSWORD", "dev123")
        db.insert("tblUser", null, contentValues)

        val contentValues = ContentValues()
        contentValues.put("UNAME", "admin")
        contentValues.put("PASSWORD", "admin123")
        db.insert("tblAdmin", null, contentValues)
    }

    val seeOrder: Cursor
    get() {
        val db = this.writableDatabase
        return db.rawQuery("SELECT * FROM tblOrder", null)
    }

    fun order(pname: String, qty: String, tblNo: String, totPrice: String) {
        val db = this.writableDatabase
        val contentValues = ContentValues()
    }
```

```

        contentValues.put("ProductName", pname)
        contentValues.put("QUANTITY", qty)
        contentValues.put("TableNumber", tblNo)
        contentValues.put("TotalPrice", totPrice)
        db.insert("tblOrder", null, contentValues)
    }

    fun updItem(name: String, id: String, price: String, desc: String) {
        val db = this.writableDatabase
        val contentValues = ContentValues()
        contentValues.put("ProductName", name)
        contentValues.put("PRICE", price)
        contentValues.put("DESCRIPTION", desc)
        db.update("tblProduct", contentValues, " ProductID = ?", arrayOf(id))
    }

    fun deleteItem(id: String) {
        val db = this.writableDatabase
        db.delete("tblProduct", "ProductID = ?", arrayOf(id))
    }

    fun showMenu(): List<menuModel> {
        val db = this.readableDatabase
        val placeList = mutableListOf<menuModel>()
        val cursor = db.rawQuery("select * from tblProduct", null)
        while (cursor.moveToNext()) {
            val id = cursor.getInt(cursor.getColumnIndexOrThrow("ProductID"))
            val photo = cursor.getBlob(cursor.getColumnIndexOrThrow("image"))
            val pname = cursor.getString(cursor.getColumnIndexOrThrow("ProductName"))
            val price = cursor.getString(cursor.getColumnIndexOrThrow("PRICE"))
            val desc = cursor.getString(cursor.getColumnIndexOrThrow("DESCRIPTION"))
            val data = menuModel(id, pname, photo, price, desc)
            placeList.add(data)
        }
        return placeList
    }

    fun buyNow(id: String): Cursor? {
        val db = this.readableDatabase
        val cursor = db.rawQuery("select * from tblProduct where ProductId = $id", null)
        return cursor
    }

    fun deleteOrder(id: String) {
        val db = this.writableDatabase
        db.delete("tblOrder", "OrderID = ?", arrayOf(id))
    }

    fun addMenu(pname: String, price: Int, cname: String, desc: String, image: ByteArray?): Long {
        val db = this.writableDatabase
        val contentValues = ContentValues()
        contentValues.put("ProductName", pname)

```

```

        contentValues.put("PRICE", price)
        contentValues.put("CategoryName", cname)
        contentValues.put("DESCRIPTION", desc)
        contentValues.put("image", image)
        val res = db.insert("tblProduct", null, contentValues)
        return res
    }

    fun checkUser(user: String): Int {
        val db = this.writableDatabase
        val res = db.rawQuery("SELECT * FROM tblUser where UNAME='$user'", null)
        return res.count
    }

    fun addUser(uname: String, password: String): Long {
        val db = this.writableDatabase
        val contentValues = ContentValues()
        contentValues.put("UNAME", uname)
        contentValues.put("PASSWORD", password)
        return db.insert("tblUser", null, contentValues)
    }

    fun addCategory(cname: String): Long {
        val db = this.writableDatabase
        val contentValues = ContentValues()
        contentValues.put("CATEGORY", cname)
        return db.insert("tblCategory", null, contentValues)
    }

    fun deleteData(id: String) {
        val db = this.writableDatabase
        db.delete("tblUser", "UserID = ?", arrayOf(id))
    }

    fun deleteCat(id: String) {
        val db = this.writableDatabase
        db.delete("tblCategory", "CategoryID = ?", arrayOf(id))
    }

    fun login(uname: String, password: String): Int {
        val db = this.readableDatabase
        val res = db.rawQuery(
            "SELECT * FROM tblUser WHERE UNAME='" + uname + "' and PASSWORD = '" + password +
            "'",
            null
        )
        return res.count
    }

    fun admin(uname: String, password: String): Int {
        val db = this.readableDatabase
        val res = db.rawQuery(

```

```

        "SELECT * FROM tblAdmin WHERE UNAME='" + uname + "' and PASSWORD = '" + password +
        """,
        null
    )
    return res.count
}

override fun onUpgrade(db: SQLiteDatabase?, oldVersion: Int, newVersion: Int) {
    db!!.execSQL("DROP TABLE IF EXISTS tblUser")
    onCreate(db)
}

val allData: Cursor
get() {
    val db = this.writableDatabase
    val res = db.rawQuery("SELECT * FROM tblUser", null)
    return res
}

fun showCategory(): Cursor? {
    val db = this.writableDatabase
    return db.rawQuery("SELECT * FROM tblCategory", null)
}
}

```

➤ Outputs

9:21 3.72 KB/s 78%



9:21 3.72 KB/s 78%



Welcome

Attender

Admin





Welcome

Enter Attender Name

Enter Password

Login



Order Here



Menu

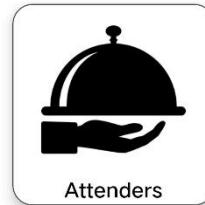


Order Here



Order List

Latte
Table Number 1



Menu

category



category

Coffee

Delete



9:26 78%

Add Category

Add Category

Add Category

9:26 78%

category

Coffee

Desert

Delete

Delete

9:26 78%

Add Items

Enter Product Name

Enter Price

Add Description

Coffee

Add Photo

Add Item

9:33 79%

Add Items

Latte

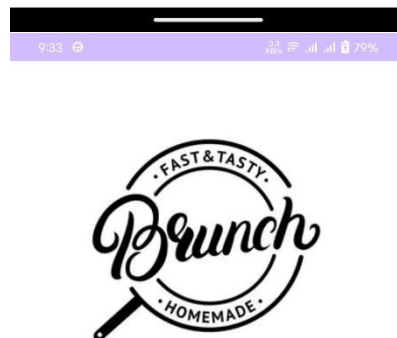
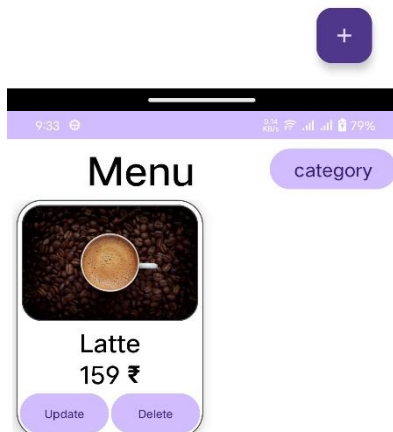
149

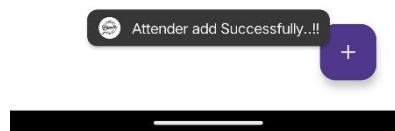
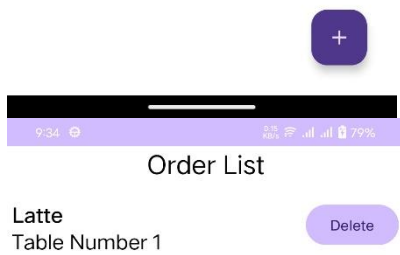
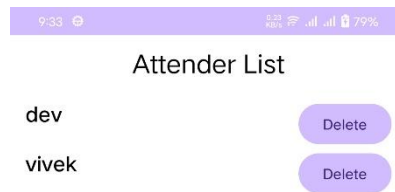
Strong Coffee

Coffee

Add Photo

Add Item





References

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- <https://stackoverflow.com/>
- <https://www.geeksforgeeks.org/>