Main Activity

```xml
<?xml version="1.0" encoding="utf-8"?>
<android.widget.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=".MainActivity">

    <ImageView
        android:id="@+id/imageView_logo"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginStart="8dp"
        android:layout_marginTop="8dp"
        android:layout_marginEnd="8dp"
        android:contentDescription="@string/samsung_logo"
        android:gravity="center"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:srcCompat="@drawable/samsunglogo" />

    <EditText
        android:id="@+id/editText_email"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginStart="8dp"
        android:layout_marginTop="16dp"
        android:layout_marginEnd="8dp"
        android:autofillHints=""
        android:ems="10"
        android:hint="@string/email"
        android:inputType="textEmailAddress"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/imageView_logo"
        tools:targetApi="o" />

    <EditText
        android:id="@+id/editText_password"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginStart="8dp"
        android:layout_marginTop="8dp"
        android:layout_marginEnd="8dp"
        android:ems="10"
        android:hint="@string/password"
        android:importantForAutofill="no"
        android:inputType="textPassword"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/editText_email"
        tools:targetApi="o" />

    <TextView
        android:id="@+id/textView_fgtPassword"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="2dp"
        android:layout_marginEnd="16dp"
        android:gravity="end"
        android:text="@string/forgot_password"
        android:textColor="#598aff"
        android:textStyle="bold"
        app:layout_constraintTop_toBottomOf="@+id/editText_password"
        tools:layout_editor_absoluteX="282dp" />

    <Button
        android:id="@+id/button_login"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginStart="8dp"
        android:layout_marginTop="2dp"
        android:layout_marginEnd="8dp"
        android:onClick="Login"
        android:text="@string/login" />

    <TextView
        android:id="@+id/textView_or"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:gravity="center"
        android:text="@string/or" />
```
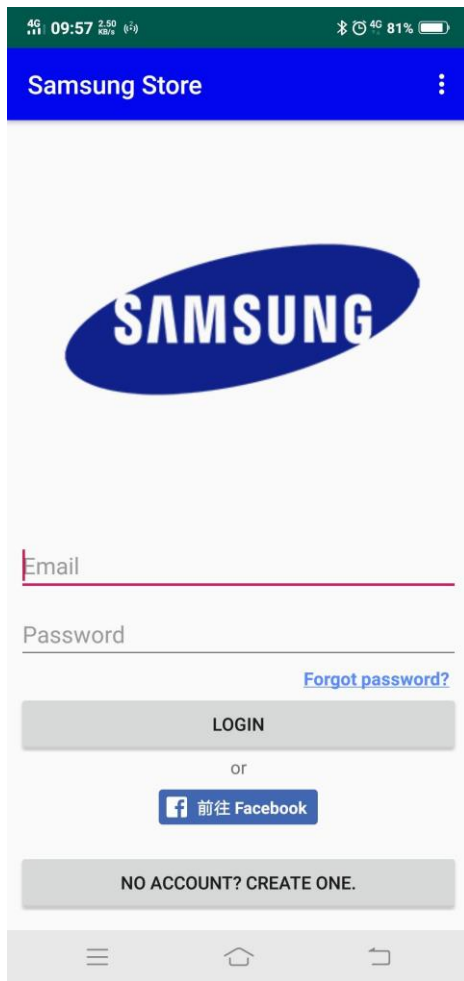
```
    <com.facebook.login.widget.LoginButton
        android:id="@+id/fblogin_button"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_gravity="center_horizontal"
        android:layout_marginTop="8dp"
        android:layout_marginBottom="0dp" />

    <TextView
        android:id="@+id/textView_wrong"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:textColor="#ff0000"
        android:visibility="invisible"
        android:layout_marginStart="8dp"
        android:layout_marginEnd="8dp" />

    <Button
        android:id="@+id/button_create"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginStart="8dp"
        android:layout_marginTop="2dp"
        android:layout_marginEnd="8dp"
        android:onClick="registerPage"
        android:text="@string/register" />

</android.widget.LinearLayout>
```

Sign Up

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

    <ImageView
        android:id="@+id/imageView_note9"
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:layout_marginStart="8dp"
        android:layout_marginTop="16dp"
        android:layout_marginEnd="8dp"
        android:contentDescription="@string/samsung_logo"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:srcCompat="@drawable/samsunglogo" />

    <EditText
        android:id="@+id/editText_resetEmail"
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:layout_marginStart="8dp"
        android:layout_marginTop="8dp"
        android:layout_marginEnd="8dp"
        android:autofillHints=""
        android:ems="10"
        android:hint="@string/email"
        android:inputType="textEmailAddress"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="1.0"
        app:layout_constraintStart_toStartOf="parent"
```

```
                app:layout_constraintTop_toBottomOf="@+id/imageView_note9"
                tools:targetApi="o" />

        <EditText
                android:id="@+id/editText_registerPassword"
                android:layout_width="0dp"
                android:layout_height="wrap_content"
                android:layout_marginStart="8dp"
                android:layout_marginTop="8dp"
                android:layout_marginEnd="8dp"
                android:ems="10"
                android:hint="@string/password"
                android:inputType="textPassword"
                app:layout_constraintEnd_toEndOf="parent"
                app:layout_constraintStart_toStartOf="parent"
                app:layout_constraintTop_toBottomOf="@+id/editText_resetEmail"
                android:importantForAutofill="no" tools:targetApi="o" />

        <Button
                android:id="@+id/button_create"
                android:layout_width="0dp"
                android:layout_height="wrap_content"
                android:layout_marginStart="8dp"
                android:layout_marginTop="8dp"
                android:layout_marginEnd="8dp"
                android:onClick="create"
                android:text="@string/create_account"
                app:layout_constraintEnd_toEndOf="parent"
                app:layout_constraintStart_toStartOf="parent"
                app:layout_constraintTop_toBottomOf="@+id/editText_registerPassword" />

        <TextView
                android:id="@+id/textView_loginNow"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_marginStart="8dp"
                android:layout_marginTop="8dp"
                android:layout_marginEnd="8dp"
                android:textColor="#598aff"
                android:textStyle="bold"
                app:layout_constraintEnd_toEndOf="parent"
                app:layout_constraintStart_toStartOf="parent"
                app:layout_constraintTop_toBottomOf="@+id/button_create" />

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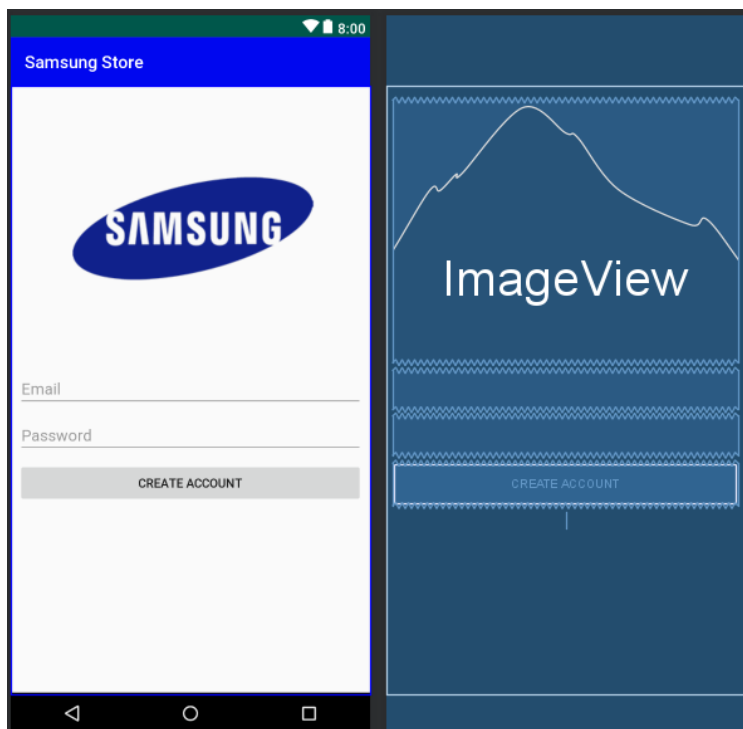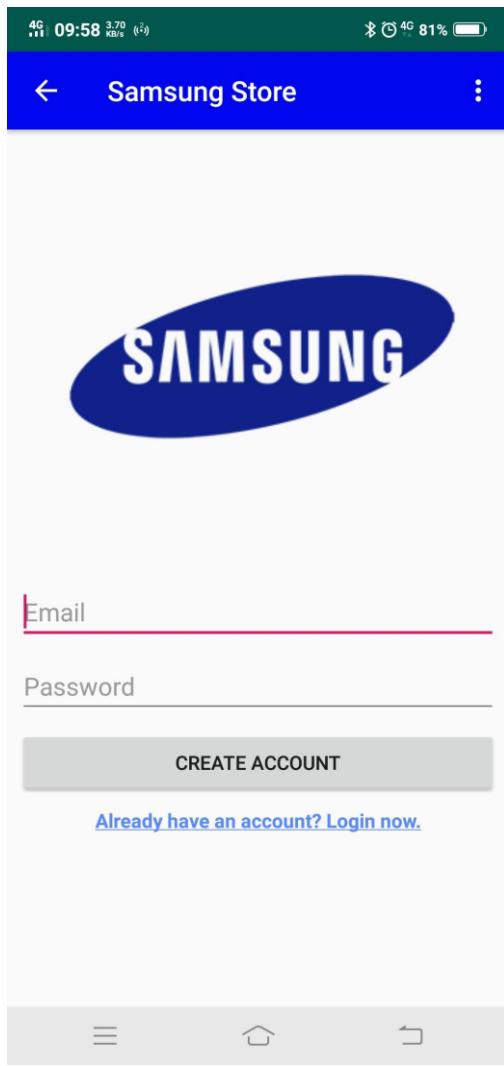
Forgot Password

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

    <ImageView
        android:id="@+id/imageView_note9"
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:layout_marginStart="8dp"
        android:layout_marginTop="16dp"
        android:layout_marginEnd="8dp"
        android:contentDescription="@string/samsung_logo"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:srcCompat="@drawable/samsunglogo" />

    <EditText
        android:id="@+id/editText_resetEmail"
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:layout_marginStart="8dp"
        android:layout_marginTop="8dp"
        android:layout_marginEnd="8dp"
```

```xml
        android:autofillHints=""
        android:ems="10"
        android:hint="@string/email"
        android:inputType="textEmailAddress"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="1.0"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/imageView_note9"
        tools:targetApi="o" />

    <Button
        android:id="@+id/button_create"
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:layout_marginStart="8dp"
        android:layout_marginTop="8dp"
        android:layout_marginEnd="8dp"
        android:text="@string/reset_password"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/editText_resetEmail" />

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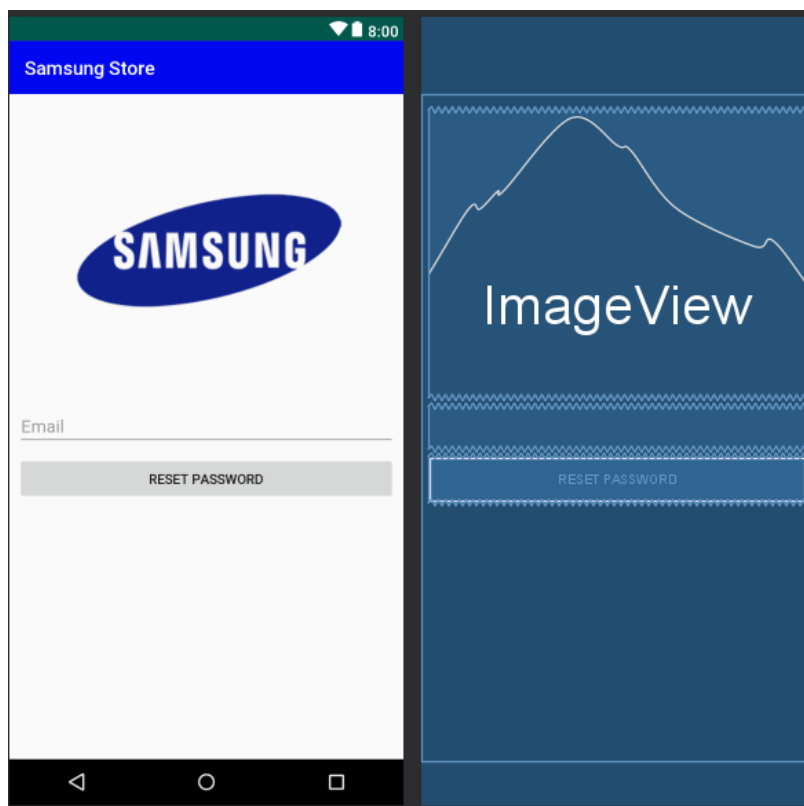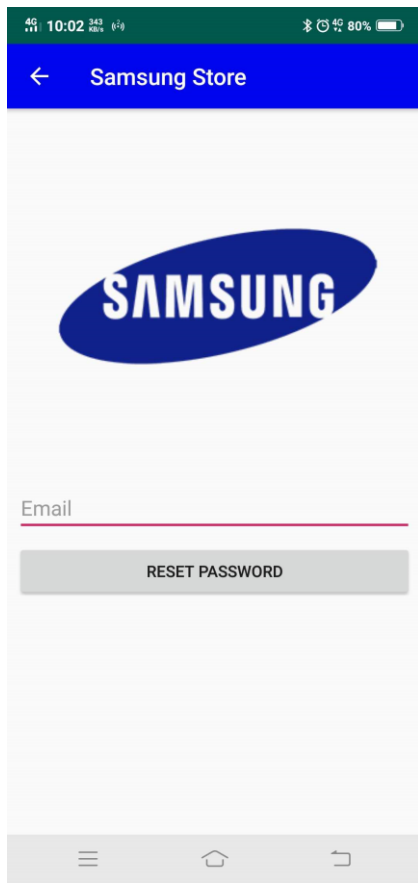
Agreement

```xml
<?xml version="1.0" encoding="utf-8"?>
<android.widget.ScrollView
    xmlns:android="http://schemas.android.com/apk/res/android" android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical">

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

        <TextView
            android:id="@+id/textView_eulaTitle"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="@string/eula_title"
            android:textSize="30sp"
            android:gravity="center"
            android:textColor="#000000"/>

        <TextView
            android:id="@+id/textView_contents"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="@string/eula_contents"
            android:textColor="#000000"
            android:padding="12dp"/>

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

            <Button
                android:id="@+id/button_accept"
                style="?android:attr/borderlessButtonStyle"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_weight="1"
```

```xml
            android:onClick="agreementAccept"
            android:text="@string/accept"
            android:textColor="#ff0000"
            android:textSize="18sp"
            android:textStyle="bold" />

        <Button
            android:id="@+id/button_reject"
            style="?android:attr/borderlessButtonStyle"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_weight="1"
            android:onClick="agreementReject"
            android:text="@string/reject"
            android:textColor="#ff0000"
            android:textSize="18sp"
            android:textStyle="bold" />
    </LinearLayout>

  </LinearLayout>

</android.widget.ScrollView>
```
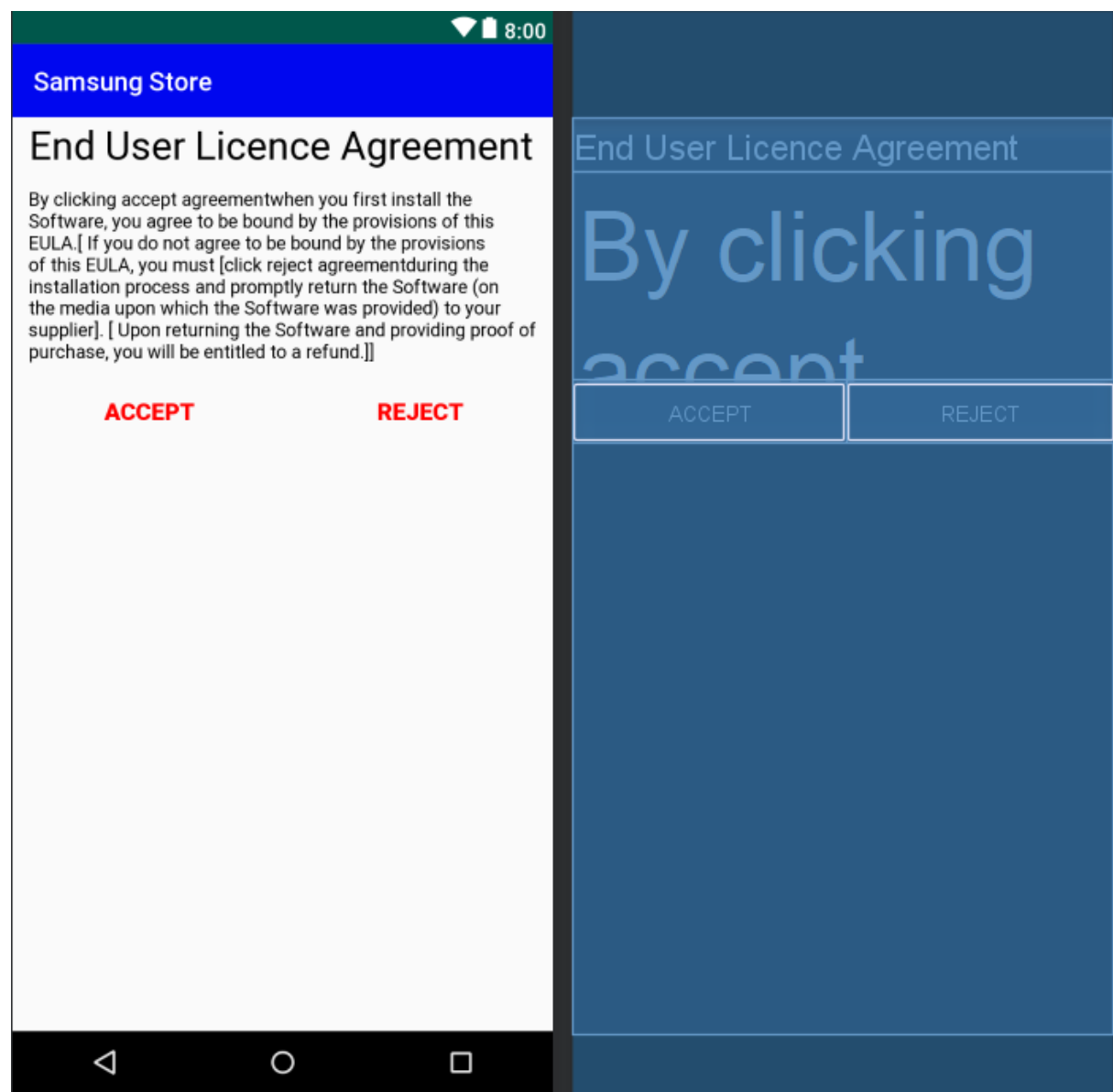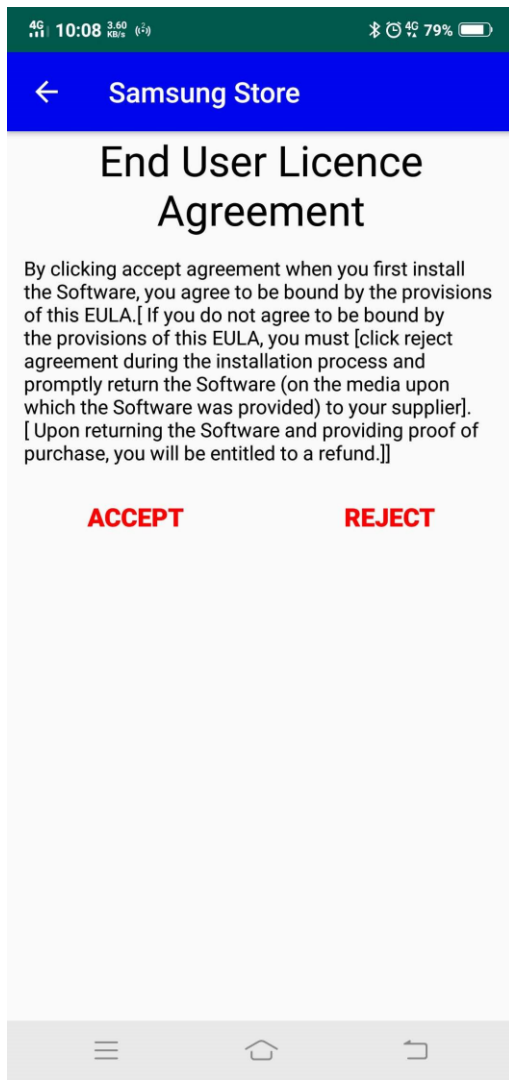
Items

```xml
<?xml version="1.0" encoding="utf-8"?>
<ScrollView xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="vertical">

    <android.support.v7.widget.LinearLayoutCompat
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="vertical">

    <android.support.v7.widget.CardView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_margin="5dp"
        android:onClick="itemSelect1">

        <RelativeLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:padding="8dp">

            <ImageView
                android:id="@+id/imageView_note9"
                android:layout_width="120dp"
                android:layout_height="90dp"
                android:contentDescription="@string/note9img"
                android:padding="4dp"
                android:src="@drawable/galaxynote9" />
```

```xml
            <TextView
                android:id="@+id/textView_itemTitle1"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_marginStart="5dp"
                android:layout_toEndOf="@id/imageView_note9"
                android:text="@string/samsung_galaxy_note_9"
                android:textAppearance="@style/Base.TextAppearance.AppCompat.Small"
                android:textColor="#000000" />

            <TextView
                android:id="@+id/textView_shortDesc1"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_below="@id/textView_itemTitle1"
                android:layout_marginStart="5dp"
                android:layout_marginTop="5dp"
                android:layout_toEndOf="@id/imageView_note9"
                android:text="@string/_6_4_inch_8gb_ram"
                android:textAppearance="@style/Base.TextAppearance.AppCompat.Small" />

            <TextView
                android:id="@+id/textView_rating1"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_below="@id/textView_shortDesc1"
                android:layout_marginStart="5dp"
                android:layout_marginTop="5dp"
                android:layout_toEndOf="@id/imageView_note9"
                android:background="@color/colorPrimary"
                android:paddingLeft="15dp"
                android:paddingRight="15dp"
                android:text="@string/_4_7"
                android:textAppearance="@style/Base.TextAppearance.AppCompat.Small.Inverse"
                android:textStyle="bold" />

            <TextView
                android:id="@+id/textView_price1"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_below="@id/textView_rating1"
                android:layout_marginStart="5dp"
                android:layout_marginTop="5dp"
                android:layout_toEndOf="@id/imageView_note9"
                android:text="@string/rm2000_4000"
                android:textAppearance="@style/Base.TextAppearance.AppCompat.Large"
                android:textStyle="bold" />

    </RelativeLayout>

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

<android.support.v7.widget.CardView
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_margin="5dp"
    android:onClick="itemSelect2">

    <RelativeLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:padding="8dp">

        <ImageView
            android:id="@+id/imageView_s10e"
            android:layout_width="120dp"
            android:layout_height="90dp"
            android:contentDescription="@string/note9img"
            android:padding="4dp"
            android:src="@drawable/galaxys10e" />

        <TextView
            android:id="@+id/textView_itemTitle2"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginStart="5dp"
            android:layout_toEndOf="@+id/imageView_s10e"
            android:text="@string/samsung_galaxy_s10e"
            android:textAppearance="@style/Base.TextAppearance.AppCompat.Small"
            android:textColor="#000000" />

        <TextView
            android:id="@+id/textView_shortDesc2"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_below="@id/textView_itemTitle2"
            android:layout_marginStart="5dp"
            android:layout_marginTop="5dp"
```

```xml
                android:layout_toEndOf="@+id/imageView_s10e"
                android:text="@string/_5_8_inch_8gb_ram"
                android:textAppearance="@style/Base.TextAppearance.AppCompat.Small" />

        <TextView
                android:id="@+id/textView_Rating2"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_below="@id/textView_shortDesc2"
                android:layout_marginStart="5dp"
                android:layout_marginTop="5dp"
                android:layout_toEndOf="@+id/imageView_s10e"
                android:background="@color/colorPrimary"
                android:paddingLeft="15dp"
                android:paddingRight="15dp"
                android:text="@string/_4_5"
                android:textAppearance="@style/Base.TextAppearance.AppCompat.Small.Inverse"
                android:textStyle="bold" />

        <TextView
                android:id="@+id/textView_price2"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_below="@id/textView_Rating2"
                android:layout_marginStart="3dp"
                android:layout_marginTop="5dp"
                android:layout_toEndOf="@+id/imageView_s10e"
                android:text="@string/rm2699_3699"
                android:textAppearance="@style/Base.TextAppearance.AppCompat.Large"
                android:textStyle="bold" />

    </RelativeLayout>

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

    <android.support.v7.widget.CardView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_margin="5dp"
            android:onClick="itemSelect2">

        <RelativeLayout
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:padding="8dp">

            <ImageView
                    android:id="@+id/imageView_s10plus"
                    android:layout_width="120dp"
                    android:layout_height="90dp"
                    android:contentDescription="@string/note9img"
                    android:padding="4dp"
                    android:src="@drawable/samsungs10plus" />

            <TextView
                    android:id="@+id/textView_itemTitle3"
                    android:layout_width="wrap_content"
                    android:layout_height="wrap_content"
                    android:layout_marginStart="5dp"
                    android:layout_toEndOf="@+id/imageView_s10plus"
                    android:text="@string/samsung_galaxy_s10_plus"
                    android:textAppearance="@style/Base.TextAppearance.AppCompat.Small"
                    android:textColor="#000000" />

            <TextView
                    android:id="@+id/textView_shortDesc3"
                    android:layout_width="wrap_content"
                    android:layout_height="wrap_content"
                    android:layout_below="@id/textView_itemTitle3"
                    android:layout_marginStart="5dp"
                    android:layout_marginTop="5dp"
                    android:layout_toEndOf="@+id/imageView_s10plus"
                    android:text="@string/_6_4_inch_12gb_ram"
                    android:textAppearance="@style/Base.TextAppearance.AppCompat.Small" />

            <TextView
                    android:id="@+id/textView_Rating3"
                    android:layout_width="wrap_content"
                    android:layout_height="wrap_content"
                    android:layout_below="@id/textView_shortDesc3"
                    android:layout_marginStart="5dp"
                    android:layout_marginTop="5dp"
                    android:layout_toEndOf="@+id/imageView_s10plus"
                    android:background="@color/colorPrimary"
                    android:paddingLeft="15dp"
                    android:paddingRight="15dp"
                    android:text="@string/_4_7"
                    android:textAppearance="@style/Base.TextAppearance.AppCompat.Small.Inverse"
```

```xml
                android:textStyle="bold" />

            <TextView
                android:id="@+id/textView_price3"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_below="@id/textView_Rating3"
                android:layout_marginStart="5dp"
                android:layout_marginTop="5dp"
                android:layout_toEndOf="@+id/imageView_s10plus"
                android:text="@string/rm4000_5000"
                android:textAppearance="@style/Base.TextAppearance.AppCompat.Large"
                android:textStyle="bold" />

        </RelativeLayout>

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

    <android.support.v7.widget.CardView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_margin="5dp"
        android:onClick="itemSelect2">

        <RelativeLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:padding="8dp">

            <ImageView
                android:id="@+id/imageView_s9"
                android:layout_width="120dp"
                android:layout_height="90dp"
                android:contentDescription="@string/note9img"
                android:padding="4dp"
                android:src="@drawable/samsungs9" />

            <TextView
                android:id="@+id/textView_itemTitle4"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_marginStart="5dp"
                android:layout_toEndOf="@+id/imageView_s9"
                android:text="@string/samsung_galaxy_s9"
                android:textAppearance="@style/Base.TextAppearance.AppCompat.Small"
                android:textColor="#000000" />

            <TextView
                android:id="@+id/textView_shortDesc4"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_below="@id/textView_itemTitle4"
                android:layout_marginStart="5dp"
                android:layout_marginTop="5dp"
                android:layout_toEndOf="@+id/imageView_s9"
                android:text="@string/_5_8inch_4gb_ram"
                android:textAppearance="@style/Base.TextAppearance.AppCompat.Small" />

            <TextView
                android:id="@+id/textView_Rating4"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_below="@id/textView_shortDesc4"
                android:layout_marginStart="5dp"
                android:layout_marginTop="5dp"
                android:layout_toEndOf="@+id/imageView_s9"
                android:background="@color/colorPrimary"
                android:paddingLeft="15dp"
                android:paddingRight="15dp"
                android:text="@string/_4_5"
                android:textAppearance="@style/Base.TextAppearance.AppCompat.Small.Inverse"
                android:textStyle="bold" />

            <TextView
                android:id="@+id/textView_price4"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_below="@id/textView_Rating4"
                android:layout_marginStart="5dp"
                android:layout_marginTop="5dp"
                android:layout_toEndOf="@+id/imageView_s9"
                android:text="@string/rm2000_3500"
                android:textAppearance="@style/Base.TextAppearance.AppCompat.Large"
                android:textStyle="bold" />

        </RelativeLayout>

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

```xml
<android.support.v7.widget.CardView
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_margin="5dp"
    android:onClick="itemSelect2">

    <RelativeLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:padding="8dp">

        <ImageView
            android:id="@+id/imageView_s9plus"
            android:layout_width="120dp"
            android:layout_height="90dp"
            android:contentDescription="@string/note9img"
            android:padding="4dp"
            android:src="@drawable/samsungs9plus" />

        <TextView
            android:id="@+id/textView_itemTitle5"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginStart="5dp"
            android:layout_toEndOf="@+id/imageView_s9plus"
            android:text="@string/samsung_galaxy_s9_plus"
            android:textAppearance="@style/Base.TextAppearance.AppCompat.Small"
            android:textColor="#000000" />

        <TextView
            android:id="@+id/textView_shortDesc5"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_below="@id/textView_itemTitle5"
            android:layout_marginStart="5dp"
            android:layout_marginTop="5dp"
            android:layout_toEndOf="@+id/imageView_s9plus"
            android:text="@string/_6_2_inch_6gb_ram"
            android:textAppearance="@style/Base.TextAppearance.AppCompat.Small" />

        <TextView
            android:id="@+id/textView_Rating5"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_below="@id/textView_shortDesc5"
            android:layout_marginStart="5dp"
            android:layout_marginTop="5dp"
            android:layout_toEndOf="@+id/imageView_s9plus"
            android:background="@color/colorPrimary"
            android:paddingLeft="15dp"
            android:paddingRight="15dp"
            android:text="@string/_5_0"
            android:textAppearance="@style/Base.TextAppearance.AppCompat.Small.Inverse"
            android:textStyle="bold" />

        <TextView
            android:id="@+id/textView_price5"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_below="@id/textView_Rating5"
            android:layout_marginStart="5dp"
            android:layout_marginTop="5dp"
            android:layout_toEndOf="@+id/imageView_s9plus"
            android:text="@string/rm3500_4200"
            android:textAppearance="@style/Base.TextAppearance.AppCompat.Large"
            android:textStyle="bold" />

    </RelativeLayout>

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

<android.support.v7.widget.CardView
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_margin="5dp"
    android:onClick="itemSelect2">

    <RelativeLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:padding="8dp">

        <ImageView
            android:id="@+id/imageView_s8"
            android:layout_width="120dp"
            android:layout_height="90dp"
            android:contentDescription="@string/note9img"
```

```xml
                android:padding="4dp"
                android:src="@drawable/samsungs8" />

            <TextView
                android:id="@+id/textView_itemTitle6"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_marginStart="5dp"
                android:layout_toEndOf="@+id/imageView_s8"
                android:text="@string/samsung_galaxy_s8"
                android:textAppearance="@style/Base.TextAppearance.AppCompat.Small"
                android:textColor="#000000" />

            <TextView
                android:id="@+id/textView_shortDesc6"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_below="@id/textView_itemTitle6"
                android:layout_marginStart="5dp"
                android:layout_marginTop="5dp"
                android:layout_toEndOf="@+id/imageView_s8"
                android:text="@string/_5_8_inch_4gb_ram"
                android:textAppearance="@style/Base.TextAppearance.AppCompat.Small" />

            <TextView
                android:id="@+id/textView_Rating6"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_below="@id/textView_shortDesc6"
                android:layout_marginStart="5dp"
                android:layout_marginTop="5dp"
                android:layout_toEndOf="@+id/imageView_s8"
                android:background="@color/colorPrimary"
                android:paddingLeft="15dp"
                android:paddingRight="15dp"
                android:text="@string/_4_5"
                android:textAppearance="@style/Base.TextAppearance.AppCompat.Small.Inverse"
                android:textStyle="bold" />

            <TextView
                android:id="@+id/textView_price6"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_below="@id/textView_Rating6"
                android:layout_marginStart="5dp"
                android:layout_marginTop="5dp"
                android:layout_toEndOf="@+id/imageView_s8"
                android:text="@string/rm2500_3500"
                android:textAppearance="@style/Base.TextAppearance.AppCompat.Large"
                android:textStyle="bold" />

        </RelativeLayout>

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

    <android.support.v7.widget.CardView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_margin="5dp"
        android:onClick="itemSelect2">

        <RelativeLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:padding="8dp">

            <ImageView
                android:id="@+id/imageView_s8plus"
                android:layout_width="120dp"
                android:layout_height="90dp"
                android:contentDescription="@string/note9img"
                android:padding="4dp"
                android:src="@drawable/samsungs8plus" />

            <TextView
                android:id="@+id/textView_itemTitle7"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_marginStart="5dp"
                android:layout_toEndOf="@+id/imageView_s8plus"
                android:text="@string/samsung_galaxy_s8_plus"
                android:textAppearance="@style/Base.TextAppearance.AppCompat.Small"
                android:textColor="#000000" />

            <TextView
                android:id="@+id/textView_shortDesc7"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
```

```xml
                    android:layout_below="@id/textView_itemTitle7"
                    android:layout_marginStart="5dp"
                    android:layout_marginTop="5dp"
                    android:layout_toEndOf="@+id/imageView_s8plus"
                    android:text="@string/_6_2_inch_6gb_ram"
                    android:textAppearance="@style/Base.TextAppearance.AppCompat.Small" />

                <TextView
                    android:id="@+id/textView_Rating7"
                    android:layout_width="wrap_content"
                    android:layout_height="wrap_content"
                    android:layout_below="@id/textView_shortDesc7"
                    android:layout_marginStart="5dp"
                    android:layout_marginTop="5dp"
                    android:layout_toEndOf="@+id/imageView_s8plus"
                    android:background="@color/colorPrimary"
                    android:paddingLeft="15dp"
                    android:paddingRight="15dp"
                    android:text="@string/_4_7"
                    android:textAppearance="@style/Base.TextAppearance.AppCompat.Small.Inverse"
                    android:textStyle="bold" />

                <TextView
                    android:id="@+id/textView_price7"
                    android:layout_width="wrap_content"
                    android:layout_height="wrap_content"
                    android:layout_below="@id/textView_Rating7"
                    android:layout_marginStart="5dp"
                    android:layout_marginTop="5dp"
                    android:layout_toEndOf="@+id/imageView_s8plus"
                    android:text="@string/rm2500_4000"
                    android:textAppearance="@style/Base.TextAppearance.AppCompat.Large"
                    android:textStyle="bold" />

        </RelativeLayout>

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

    <android.support.v7.widget.CardView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_margin="5dp"
        android:onClick="itemSelect2">

        <RelativeLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:padding="8dp">

            <ImageView
                android:id="@+id/imageView_galaxyfold"
                android:layout_width="120dp"
                android:layout_height="90dp"
                android:contentDescription="@string/note9img"
                android:padding="4dp"
                android:src="@drawable/samsunggalaxyfold" />

            <TextView
                android:id="@+id/textView_itemTitle8"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_marginStart="5dp"
                android:layout_toEndOf="@+id/imageView_galaxyfold"
                android:text="@string/samsung_galaxy_fold"
                android:textAppearance="@style/Base.TextAppearance.AppCompat.Small"
                android:textColor="#000000" />

            <TextView
                android:id="@+id/textView_shortDesc8"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_below="@id/textView_itemTitle8"
                android:layout_marginStart="5dp"
                android:layout_marginTop="5dp"
                android:layout_toEndOf="@+id/imageView_galaxyfold"
                android:text="@string/_7_3_inch_12gb_ram"
                android:textAppearance="@style/Base.TextAppearance.AppCompat.Small" />

            <TextView
                android:id="@+id/textView_Rating8"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_below="@id/textView_shortDesc8"
                android:layout_marginStart="5dp"
                android:layout_marginTop="5dp"
                android:layout_toEndOf="@+id/imageView_galaxyfold"
                android:background="@color/colorPrimary"
                android:paddingLeft="15dp"
```

```xml
                android:paddingRight="15dp"
                android:text="@string/_4_8"
                android:textAppearance="@style/Base.TextAppearance.AppCompat.Small.Inverse"
                android:textStyle="bold" />

            <TextView
                android:id="@+id/textView_price8"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_below="@id/textView_Rating8"
                android:layout_marginStart="5dp"
                android:layout_marginTop="5dp"
                android:layout_toEndOf="@+id/imageView_galaxyfold"
                android:text="@string/rm6000_7000"
                android:textAppearance="@style/Base.TextAppearance.AppCompat.Large"
                android:textStyle="bold" />

        </RelativeLayout>

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

    <android.support.v7.widget.CardView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_margin="5dp"
        android:onClick="itemSelect2">

        <RelativeLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:padding="8dp">

            <ImageView
                android:id="@+id/imageView_galaxym20"
                android:layout_width="120dp"
                android:layout_height="90dp"
                android:contentDescription="@string/note9img"
                android:padding="4dp"
                android:src="@drawable/samsungm20" />

            <TextView
                android:id="@+id/textView_itemTitle9"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_marginStart="5dp"
                android:layout_toEndOf="@+id/imageView_galaxym20"
                android:text="@string/samsung_galaxy_m20"
                android:textAppearance="@style/Base.TextAppearance.AppCompat.Small"
                android:textColor="#000000" />

            <TextView
                android:id="@+id/textView_shortDesc9"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_below="@id/textView_itemTitle9"
                android:layout_marginStart="5dp"
                android:layout_marginTop="5dp"
                android:layout_toEndOf="@+id/imageView_galaxym20"
                android:text="@string/_6_3inch_4gb_ram"
                android:textAppearance="@style/Base.TextAppearance.AppCompat.Small" />

            <TextView
                android:id="@+id/textView_Rating9"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_below="@id/textView_shortDesc9"
                android:layout_marginStart="5dp"
                android:layout_marginTop="5dp"
                android:layout_toEndOf="@+id/imageView_galaxym20"
                android:background="@color/colorPrimary"
                android:paddingLeft="15dp"
                android:paddingRight="15dp"
                android:text="@string/_4_0"
                android:textAppearance="@style/Base.TextAppearance.AppCompat.Small.Inverse"
                android:textStyle="bold" />

            <TextView
                android:id="@+id/textView_price9"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_below="@id/textView_Rating9"
                android:layout_marginStart="5dp"
                android:layout_marginTop="5dp"
                android:layout_toEndOf="@+id/imageView_galaxym20"
                android:text="@string/rm2000_3000"
                android:textAppearance="@style/Base.TextAppearance.AppCompat.Large"
                android:textStyle="bold" />
```

```xml
                </RelativeLayout>

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

        <android.support.v7.widget.CardView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_margin="5dp"
            android:onClick="itemSelect2">

            <RelativeLayout
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:padding="8dp">

                <ImageView
                    android:id="@+id/imageView_m30"
                    android:layout_width="120dp"
                    android:layout_height="90dp"
                    android:contentDescription="@string/note9img"
                    android:padding="4dp"
                    android:src="@drawable/samsungm30" />

                <TextView
                    android:id="@+id/textView_itemTitle10"
                    android:layout_width="wrap_content"
                    android:layout_height="wrap_content"
                    android:layout_marginStart="5dp"
                    android:layout_toEndOf="@+id/imageView_m30"
                    android:text="@string/samsung_galaxy_m30"
                    android:textAppearance="@style/Base.TextAppearance.AppCompat.Small"
                    android:textColor="#000000" />

                <TextView
                    android:id="@+id/textView_shortDesc10"
                    android:layout_width="wrap_content"
                    android:layout_height="wrap_content"
                    android:layout_below="@id/textView_itemTitle10"
                    android:layout_marginStart="5dp"
                    android:layout_marginTop="5dp"
                    android:layout_toEndOf="@+id/imageView_m30"
                    android:text="@string/_6_4_inch_4gb_ram"
                    android:textAppearance="@style/Base.TextAppearance.AppCompat.Small" />

                <TextView
                    android:id="@+id/textView_Rating10"
                    android:layout_width="wrap_content"
                    android:layout_height="wrap_content"
                    android:layout_below="@id/textView_shortDesc10"
                    android:layout_marginStart="5dp"
                    android:layout_marginTop="5dp"
                    android:layout_toEndOf="@+id/imageView_m30"
                    android:background="@color/colorPrimary"
                    android:paddingLeft="15dp"
                    android:paddingRight="15dp"
                    android:text="@string/_4_3"
                    android:textAppearance="@style/Base.TextAppearance.AppCompat.Small.Inverse"
                    android:textStyle="bold" />

                <TextView
                    android:id="@+id/textView_price10"
                    android:layout_width="wrap_content"
                    android:layout_height="wrap_content"
                    android:layout_below="@id/textView_Rating10"
                    android:layout_marginStart="5dp"
                    android:layout_marginTop="5dp"
                    android:layout_toEndOf="@+id/imageView_m30"
                    android:text="@string/rm2500_4000"
                    android:textAppearance="@style/Base.TextAppearance.AppCompat.Large"
                    android:textStyle="bold" />

            </RelativeLayout>

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

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

</ScrollView>
```

Samsung Store

Samsung Galaxy Note 9
6.4 Inch, 8GB RAM
`4.7`
RM3699 - 4599

Samsung Galaxy S10e
5.8 Inch, 8GB RAM
`4.5`
RM2699 - 3699

Samsung Galaxy S10 Plus
6.4 Inch, 12GB RAM
`4.7`
RM4000-5000

Samsung Galaxy S9
5.8Inch, 4GB RAM
`4.5`
RM2699

Samsung Galaxy S9 Plus
6.2 Inch, 6GB RAM
`5.0`
RM3500-4200

Samsung Galaxy S8
5.8 Inch, 4GB RAM
`4.5`
RM2500-3500

Samsung Galaxy S8 Plus
6.2 Inch, 6GB RAM
`4.7`
RM2500-4000

Samsung Galaxy Fold
7.3 Inch, 12GB RAM
`4.8`
RM6000-7000

Samsung Galaxy M20
6.3Inch, 4GB RAM
`4.0`
RM2000-3000

Samsung Galaxy M30
6.4 Inch, 4GB RAM
`4.3`
RM2500-4000
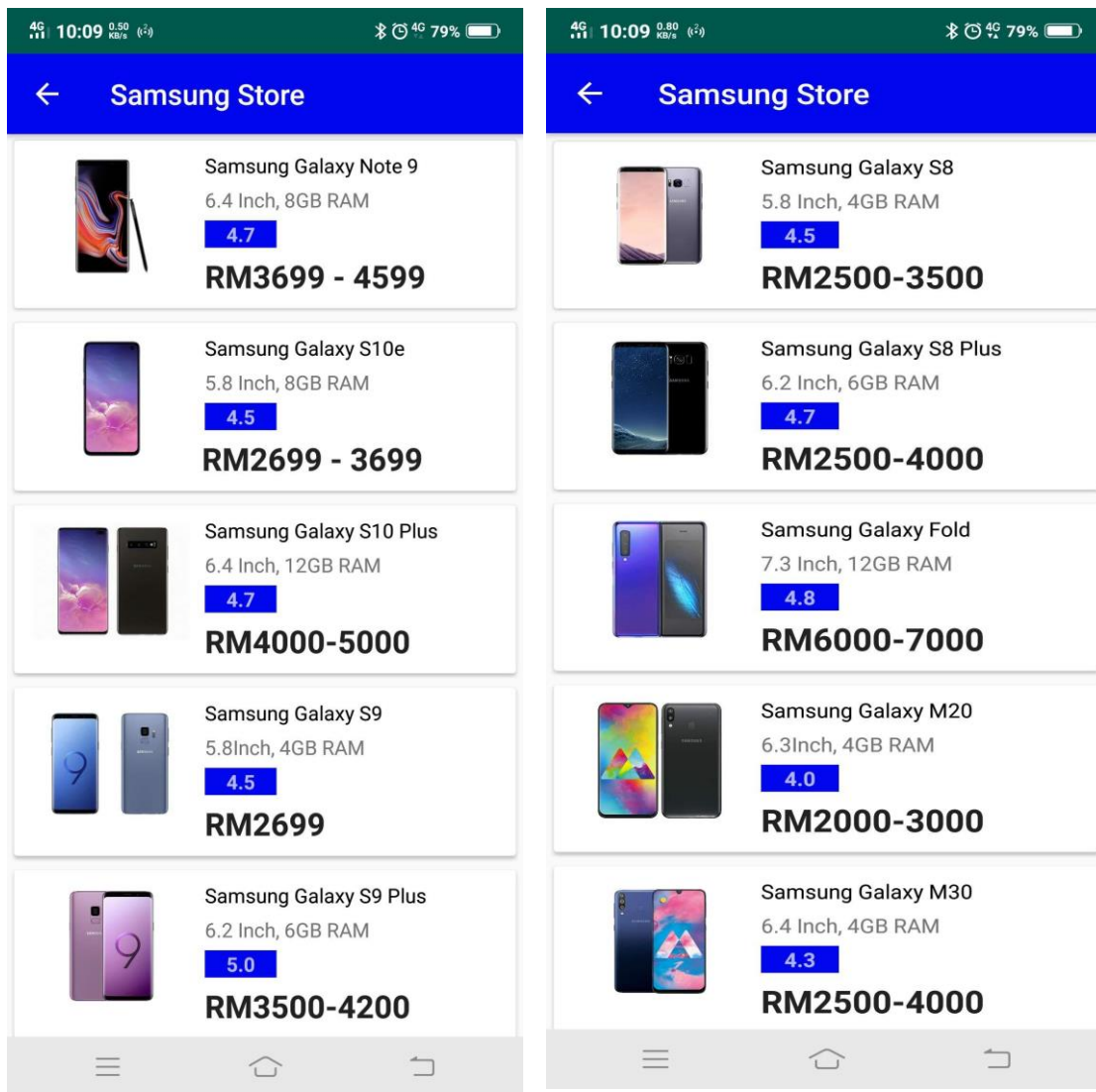
ImageView — Samsung Galaxy Note 9 — 6.4 Inch, 8GB RAM — 4.7 — RM3699 - 4599

ImageView — Samsung Galaxy S10e — 5.8 Inch, 8GB RAM — 4.5 — RM2699 - 3699

ImageView — Samsung Galaxy S10 Plus — 6.4 Inch, 12GB RAM — 4.7 — RM4000-5000

ImageView — Samsung Galaxy S9 — 5.8Inch, 4GB RAM — 4.5 — RM2699

ImageView — Samsung Galaxy S9 Plus — 6.2 Inch, 6GB RAM — 5.0 — RM3500-4200

ImageView — Samsung Galaxy S8 — 5.8 Inch, 4GB RAM — 4.5 — RM2500-3500

ImageView — Samsung Galaxy S8 Plus — 6.2 Inch, 6GB RAM — 4.7 — RM2500-4000

ImageView — Samsung Galaxy Fold — 7.3 Inch, 12GB RAM — 4.8 — RM6000-7000

ImageView — Samsung Galaxy M20 — 6.3Inch, 4GB RAM — 4.0 — RM2000-3000

ImageView — Samsung Galaxy M30 — 6.4 Inch, 4GB RAM — 4.3 — RM2500-4000

S10e

```xml
<?xml version="1.0" encoding="utf-8"?>
<android.widget.RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".s10e">


    <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" >

            <TextView
                android:id="@+id/textView_title"
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:drawableTop="@drawable/galaxys10e"
                android:text="@string/samsung_galaxy_s10e"
                android:textColor="#000000"
```

```xml
            android:textSize="30sp"
            android:textStyle="bold" />

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

        <TextView
            android:id="@+id/textView_prices10"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_weight="1"
            android:text="@string/price128s10"
            style="@style/Price"/>

        <Spinner
            android:id="@+id/spinner_s10gb"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_weight="0"
            android:entries="@array/spinner_S10gb" />
    </LinearLayout>

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

        <Button
            android:id="@+id/button_increase"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_weight="1"
            android:onClick="increaseQuantity"
            android:text="@string/increaseButton" />

        <TextView
            android:id="@+id/textView_quantity"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_weight="1"
            android:text="@string/quantity"
            android:textAlignment="center" />

        <Button
            android:id="@+id/button_decrease"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_weight="1"
            android:onClick="decreaseQuantity"
            android:text="@string/decreaseButton" />
    </LinearLayout>

    <android.support.constraint.ConstraintLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent">

        <TextView
            android:id="@+id/textView_desc"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginStart="8dp"
            android:layout_marginTop="8dp"
            android:layout_marginEnd="8dp"
            android:text="@string/galaxys10e_desc"
            app:layout_constraintEnd_toEndOf="parent"
            app:layout_constraintStart_toStartOf="parent"
            app:layout_constraintTop_toTopOf="parent" />

        <Spinner
            android:id="@+id/spinner_color"
            android:layout_width="match_parent"
            android:layout_height="44dp"
            android:layout_marginStart="5dp"
            android:layout_marginTop="8dp"
            android:layout_marginEnd="5dp"
            app:layout_constraintEnd_toEndOf="parent"
            app:layout_constraintStart_toStartOf="parent"
            app:layout_constraintTop_toBottomOf="@+id/textView_desc"
            android:entries="@array/phone_color_S10e"/>

        <Button
            android:id="@+id/button_order"
            android:layout_width="0dp"
            android:layout_height="wrap_content"
            android:layout_marginStart="8dp"
            android:layout_marginTop="8dp"
```

```xml
        android:layout_marginEnd="8dp"
        android:onClick="order"
        android:text="@string/order"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.0"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/checkBox_phone_case" />

    <CheckBox
        android:id="@+id/checkBox_earphone"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="8dp"
        android:layout_marginTop="8dp"
        android:text="@string/earphone_rm150"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/spinner_color" />

    <CheckBox
        android:id="@+id/checkBox_phone_case"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="8dp"
        android:layout_marginTop="8dp"
        android:text="@string/phone_case_rm30"
        app:layout_constraintStart_toEndOf="@+id/checkBox_earphone"
        app:layout_constraintTop_toBottomOf="@+id/spinner_color" />

    <TextView
        android:id="@+id/textView_total"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="8dp"
        android:layout_marginTop="8dp"
        android:text="@string/total"
        android:textSize="18sp"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/button_order" />

    <TextView
        android:id="@+id/textView_total_num"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="28dp"
        android:layout_marginTop="8dp"
        android:textSize="18sp"
        app:layout_constraintStart_toEndOf="@+id/textView_total"
        app:layout_constraintTop_toBottomOf="@+id/button_order" />

    <TextView
        android:id="@+id/textView_payment"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="8dp"
        android:layout_marginTop="24dp"
        android:text="@string/payment"
        android:textSize="18sp"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/textView_total" />

    <EditText
        android:id="@+id/editText_payment_amount"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="8dp"
        android:layout_marginTop="16dp"
        android:ems="10"
        android:hint="@string/amount"
        android:inputType="number"
        app:layout_constraintStart_toEndOf="@+id/textView_payment"
        app:layout_constraintTop_toBottomOf="@+id/textView_total_num"
        android:autofillHints="" tools:targetApi="o" />

    <RadioGroup
        android:id="@+id/radioSexPaymentMethod"
        android:layout_width="396dp"
        android:layout_height="42dp"
        android:layout_marginStart="8dp"
        android:layout_marginTop="8dp"
        android:orientation="horizontal"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/editText_payment_amount">

        <RadioButton
            android:id="@+id/radioButton_card"
            android:layout_width="115dp"
            android:layout_height="wrap_content"
            android:layout_weight="1"
```

```xml
                    android:text="@string/credit_debit_card" />

                <RadioButton
                    android:id="@+id/radioButton_installment"
                    android:layout_width="100dp"
                    android:layout_height="wrap_content"
                    android:layout_weight="1"
                    android:text="@string/credit_card_installment" />

                <RadioButton
                    android:id="@+id/radioButton_ewallet"
                    android:layout_width="wrap_content"
                    android:layout_height="wrap_content"
                    android:layout_weight="1"
                    android:text="@string/ewallet" />
            </RadioGroup>

            <Button
                android:id="@+id/button_pay"
                android:layout_width="0dp"
                android:layout_height="wrap_content"
                android:layout_marginStart="8dp"
                android:layout_marginTop="8dp"
                android:layout_marginEnd="8dp"
                android:onClick="payment"
                android:text="@string/pay"
                app:layout_constraintEnd_toEndOf="parent"
                app:layout_constraintStart_toStartOf="parent"
                app:layout_constraintTop_toBottomOf="@id/radioSexPaymentMethod" />

        </android.support.constraint.ConstraintLayout>


    </LinearLayout>
    </ScrollView>

</android.widget.RelativeLayout>
```
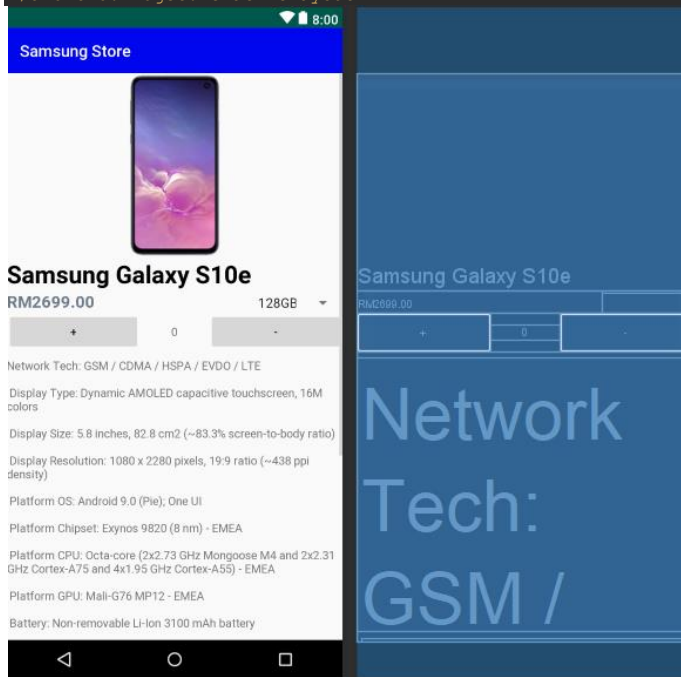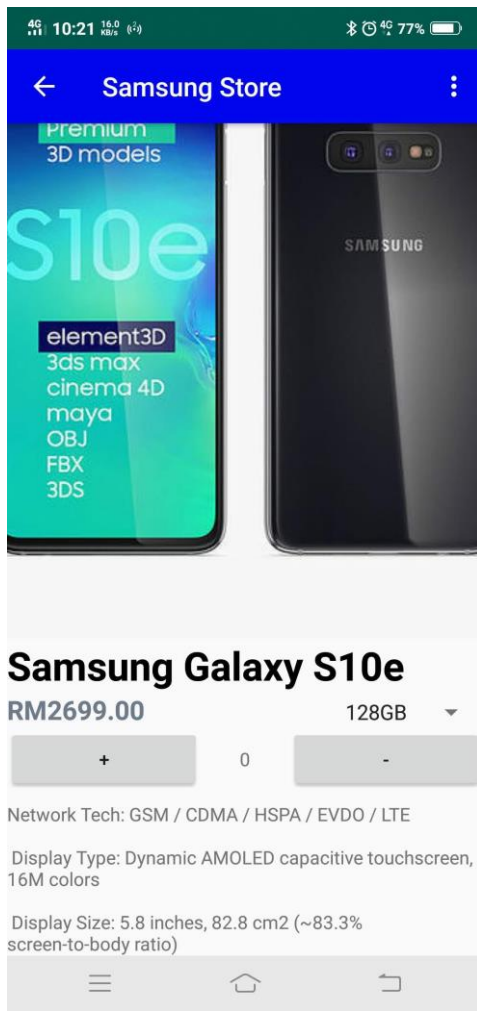
Note9

```xml
<?xml version="1.0" encoding="utf-8"?>
<android.widget.RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".Note9Activity">


    <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" >

            <TextView
                android:id="@+id/textView_title"
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:drawableTop="@drawable/note9black"
                android:text="@string/samsung_galaxy_note_9"
                android:textAlignment="viewStart"
                android:textColor="#000000"
                android:textSize="30sp"
                android:textStyle="bold" />

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

```xml
        <TextView
            android:id="@+id/textView_pricenote9"
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            android:layout_weight="1"
            android:text="@string/price128note9"
            style="@style/Price"/>

        <Spinner
            android:id="@+id/spinner_gb"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_weight="0"
            android:entries="@array/spinner_gb" />
    </LinearLayout>

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

        <Button
            android:id="@+id/button_increase"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_weight="1"
            android:onClick="increaseQuantity"
            android:text="@string/increaseButton" />

        <TextView
            android:id="@+id/textView_quantity"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_weight="1"
            android:text="@string/quantity"
            android:textAlignment="center" />

        <Button
            android:id="@+id/button_decrease"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_weight="1"
            android:onClick="decreaseQuantity"
            android:text="@string/decreaseButton" />
    </LinearLayout>

    <android.support.constraint.ConstraintLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent">

        <TextView
            android:id="@+id/textView_desc"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginStart="8dp"
            android:layout_marginTop="8dp"
            android:layout_marginEnd="8dp"
            android:text="@string/note9_desc"
            app:layout_constraintEnd_toEndOf="parent"
            app:layout_constraintStart_toStartOf="parent"
            app:layout_constraintTop_toTopOf="parent" />

        <Spinner
            android:id="@+id/spinner_color"
            android:layout_width="match_parent"
            android:layout_height="44dp"
            android:layout_marginStart="5dp"
            android:layout_marginTop="8dp"
            android:layout_marginEnd="5dp"
            app:layout_constraintEnd_toEndOf="parent"
            app:layout_constraintStart_toStartOf="parent"
            app:layout_constraintTop_toBottomOf="@+id/textView_desc"
            android:entries="@array/phone_color_note9"/>

        <CheckBox
            android:id="@+id/checkBox_earphone"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginStart="8dp"
            android:layout_marginTop="8dp"
            android:text="@string/earphone_rm150"
            app:layout_constraintStart_toStartOf="parent"
            app:layout_constraintTop_toBottomOf="@+id/spinner_color" />

        <CheckBox
            android:id="@+id/checkBox_phone_case"
            android:layout_width="wrap_content"
```

```xml
        android:layout_height="wrap_content"
        android:layout_marginStart="8dp"
        android:layout_marginTop="8dp"
        android:text="@string/phone_case_rm30"
        app:layout_constraintStart_toEndOf="@+id/checkBox_earphone"
        app:layout_constraintTop_toBottomOf="@+id/spinner_color" />

    <Button
        android:id="@+id/button_order"
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:layout_marginStart="8dp"
        android:layout_marginTop="8dp"
        android:layout_marginEnd="8dp"
        android:onClick="order"
        android:text="@string/order"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.0"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/checkBox_phone_case" />

    <TextView
        android:id="@+id/textView_total"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="8dp"
        android:layout_marginTop="8dp"
        android:text="@string/total"
        android:textSize="18sp"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/button_order" />

    <TextView
        android:id="@+id/textView_total_num"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="28dp"
        android:layout_marginTop="8dp"
        android:textSize="18sp"
        app:layout_constraintStart_toEndOf="@+id/textView_total"
        app:layout_constraintTop_toBottomOf="@+id/button_order" />

    <TextView
        android:id="@+id/textView_payment"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="8dp"
        android:layout_marginTop="24dp"
        android:text="@string/payment"
        android:textSize="18sp"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/textView_total" />

    <EditText
        android:id="@+id/editText_payment_amount"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="8dp"
        android:layout_marginTop="8dp"
        android:autofillHints=""
        android:ems="10"
        android:hint="@string/amount"
        android:inputType="number"
        app:layout_constraintStart_toEndOf="@+id/textView_payment"
        app:layout_constraintTop_toBottomOf="@+id/textView_total_num"
        tools:targetApi="o" />

    <RadioGroup
        android:id="@+id/radioSexPaymentMethod"
        android:layout_width="396dp"
        android:layout_height="42dp"
        android:layout_marginStart="8dp"
        android:layout_marginTop="8dp"
        android:orientation="horizontal"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/editText_payment_amount">

        <RadioButton
            android:id="@+id/radioButton_card"
            android:layout_width="115dp"
            android:layout_height="wrap_content"
            android:layout_weight="1"
            android:text="@string/credit_debit_card" />

        <RadioButton
            android:id="@+id/radioButton_installment"
            android:layout_width="100dp"
            android:layout_height="wrap_content"
```

```
                android:layout_weight="1"
                android:text="@string/credit_card_installment" />

            <RadioButton
                android:id="@+id/radioButton_ewallet"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_weight="1"
                android:text="@string/ewallet" />

        </RadioGroup>

        <Button
            android:id="@+id/button_pay"
            android:layout_width="0dp"
            android:layout_height="wrap_content"
            android:layout_marginStart="8dp"
            android:layout_marginTop="8dp"
            android:layout_marginEnd="8dp"
            android:onClick="payment"
            android:text="@string/pay"
            app:layout_constraintEnd_toEndOf="parent"
            app:layout_constraintStart_toStartOf="parent"
            app:layout_constraintTop_toBottomOf="@id/radioSexPaymentMethod" />

    </android.support.constraint.ConstraintLayout>


    </LinearLayout>
    </ScrollView>

</android.widget.RelativeLayout>
```
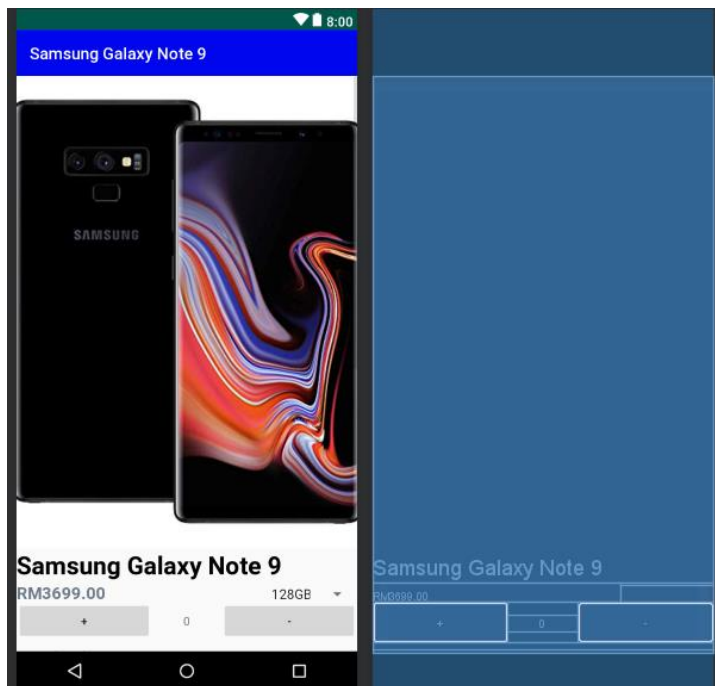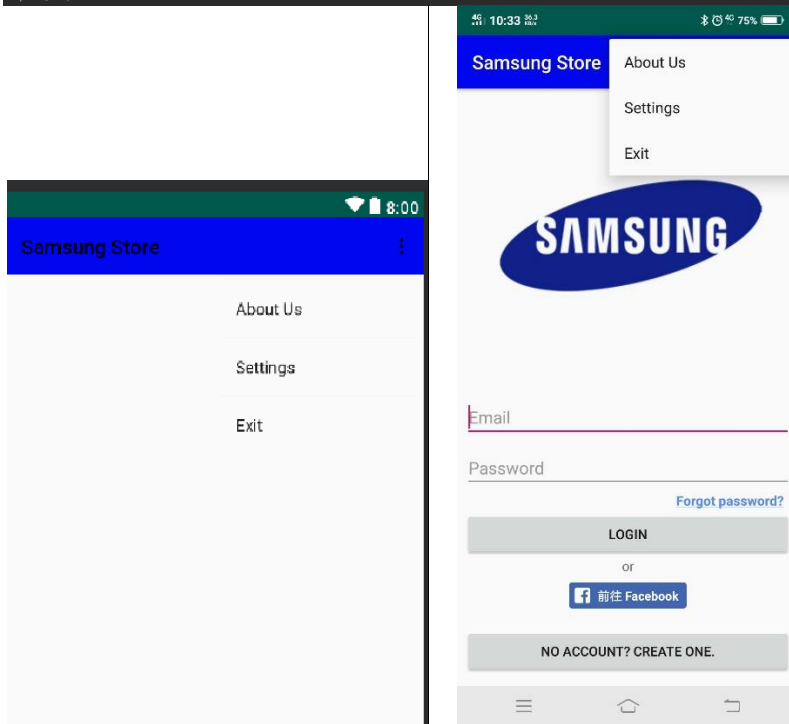
About Us

```xml
<?xml version="1.0" encoding="utf-8"?>
<android.widget.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"
    tools:context=".AboutActivity">


    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginStart="8dp"
        android:layout_marginTop="100dp"
        android:layout_marginEnd="8dp"
        android:drawableTop="@drawable/samsungiconaboutus"
        android:text="@string/aboutUsInfo"
        android:textAlignment="center"
        android:textAllCaps="true"
        android:textColor="#000000"
        android:textSize="24sp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.0"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />
</android.widget.LinearLayout>
```
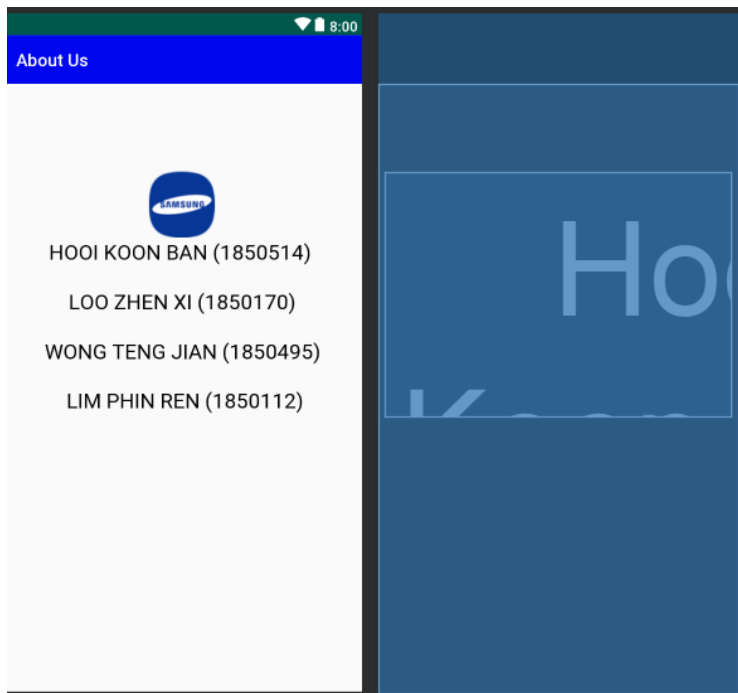
Menu

```xml
<?xml version="1.0" encoding="utf-8"?>
<menu xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:android="http://schemas.android.com/apk/res/android">

    <item
        android:id="@+id/about"
        android:title="About Us" />

    <item
        android:id="@+id/settings"
        android:title="Settings" />

    <item
        android:id="@+id/exit"
        android:title="Exit" />
</menu>
```
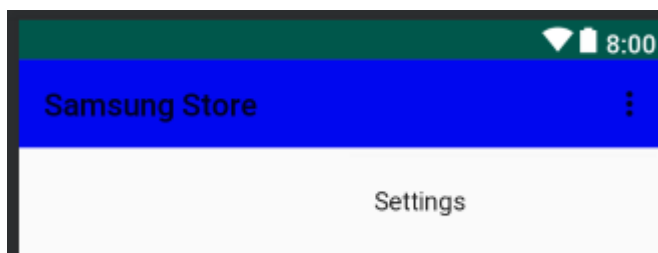
Menu Agreement

```xml
<menu 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"
tools:context="com.example.samsungstore.agreementActivity">
<item
    android:id="@+id/action_settings"
    android:orderInCategory="100"
    android:title="@string/action_settings"
    app:showAsAction="never" />
</menu>
```

Menu Scrolling

```xml
<menu 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"
    tools:context="com.example.samsungstore.ScrollingActivity">
    <item
        android:id="@+id/action_settings"
        android:orderInCategory="100"
        android:title="@string/action_settings"
        app:showAsAction="never" />
</menu>
```
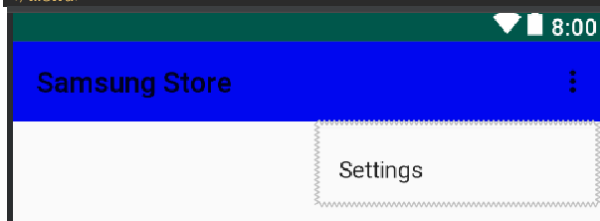

Colours

```xml
<?xml version="1.0" encoding="utf-8"?>
<resources>
    <color name="colorPrimary">#0007ef</color>
    <color name="colorPrimaryDark">#00574B</color>
    <color name="colorAccent">#D81B60</color>

</resources>
```

Dimens

```xml
<resources>
    <dimen name="app_bar_height">180dp</dimen>
    <dimen name="fab_margin">16dp</dimen>
    <dimen name="text_margin">16dp</dimen>
</resources>
```

Strings

```xml
<resources>
    <string name="app_name">Samsung Store</string>
    <string name="samsung_logo">Samsung</string>
    <string name="email">Email</string>
    <string name="password">Password</string>
    <string name="login">Login</string>
    <string name="forgot_password">Forgot password?</string>
    <string name="register">No account? Create one.</string>

    <string name="facebook_app_id">247356788764403</string>
    <string name="fb_login_protocol_scheme">fb247356788764403</string>
    <string name="or">or</string>
    <string name="title_activity_settings">Settings</string>

    <!-- Strings related to Settings -->

    <!-- Example General settings -->
    <string name="pref_header_general">General</string>

    <string name="pref_title_social_recommendations">Enable social recommendations</string>
    <string name="pref_description_social_recommendations">Recommendations for people to contact
        based on your message history
    </string>

    <string name="pref_title_display_name">Display name</string>
    <string name="pref_default_display_name">John Smith</string>

    <string name="pref_title_add_friends_to_messages">Add friends to messages</string>
    <string-array name="pref_example_list_titles">
        <item>Always</item>
        <item>When possible</item>
        <item>Never</item>
```

```xml
        </string-array>
        <string-array name="pref_example_list_values">
            <item>1</item>
            <item>0</item>
            <item>-1</item>
        </string-array>

        <!-- Example settings for Data & Sync -->
        <string name="pref_header_data_sync">Data &amp; sync</string>

        <string name="pref_title_sync_frequency">Sync frequency</string>
        <string-array name="pref_sync_frequency_titles">
            <item>15 minutes</item>
            <item>30 minutes</item>
            <item>1 hour</item>
            <item>3 hours</item>
            <item>6 hours</item>
            <item>Never</item>
        </string-array>
        <string-array name="pref_sync_frequency_values">
            <item>15</item>
            <item>30</item>
            <item>60</item>
            <item>180</item>
            <item>360</item>
            <item>-1</item>
        </string-array>

        <string-array name="list_preference_entries">
            <item>Entry 1</item>
            <item>Entry 2</item>
            <item>Entry 3</item>
        </string-array>

        <string-array name="list_preference_entry_values">
            <item>1</item>
            <item>2</item>
            <item>3</item>
        </string-array>

        <string-array name="multi_select_list_preference_default_value" />

        <string name="pref_title_system_sync_settings">System sync settings</string>

        <!-- Example settings for Notifications -->
        <string name="pref_header_notifications">Notifications</string>

        <string name="pref_title_new_message_notifications">New message notifications</string>

        <string name="pref_title_ringtone">Ringtone</string>
        <string name="pref_ringtone_silent">Silent</string>

        <string name="pref_title_vibrate">Vibrate</string>
        <string name="title_activity_scrolling">ScrollingActivity</string>
        <string name="large_text">
            "Material is the metaphor.\n\n"

            "A material metaphor is the unifying theory of a rationalized space and a system of motion."
            "The material is grounded in tactile reality, inspired by the study of paper and ink, yet "
            "technologically advanced and open to imagination and magic.\n"
            "Surfaces and edges of the material provide visual cues that are grounded in reality. The "
            "use of familiar tactile attributes helps users quickly understand affordances. Yet the "
            "flexibility of the material creates new affordances that supercede those in the physical "
            "world, without breaking the rules of physics.\n"
            "The fundamentals of light, surface, and movement are key to conveying how objects move, "
            "interact, and exist in space and in relation to each other. Realistic lighting shows "
            "seams, divides space, and indicates moving parts.\n\n"

            "Bold, graphic, intentional.\n\n"

            "The foundational elements of print based design typography, grids, space, scale, color, "
            "and use of imagery guide visual treatments. These elements do far more than please the "
            "eye. They create hierarchy, meaning, and focus. Deliberate color choices, edge to edge "
            "imagery, large scale typography, and intentional white space create a bold and graphic "
            "interface that immerse the user in the experience.\n"
            "An emphasis on user actions makes core functionality immediately apparent and provides "
            "waypoints for the user.\n\n"

            "Motion provides meaning.\n\n"

            "Motion respects and reinforces the user as the prime mover. Primary user actions are "
            "inflection points that initiate motion, transforming the whole design.\n"
            "All action takes place in a single environment. Objects are presented to the user without "
            "breaking the continuity of experience even as they transform and reorganize.\n"
            "Motion is meaningful and appropriate, serving to focus attention and maintain continuity. "
            "Feedback is subtle yet clear. Transitions are efficient yet coherent.\n\n"

            "3D world.\n\n"
```

```xml
    "The material environment is a 3D space, which means all objects have x, y, and z "
    "dimensions. The z-axis is perpendicularly aligned to the plane of the display, with the "
    "positive z-axis extending towards the viewer. Every sheet of material occupies a single "
    "position along the z-axis and has a standard 1dp thickness.\n"
    "On the web, the z-axis is used for layering and not for perspective. The 3D world is "
    "emulated by manipulating the y-axis.\n\n"

    "Light and shadow.\n\n"

    "Within the material environment, virtual lights illuminate the scene. Key lights create "
    "directional shadows, while ambient light creates soft shadows from all angles.\n"
    "Shadows in the material environment are cast by these two light sources. In Android "
    "development, shadows occur when light sources are blocked by sheets of material at "
    "various positions along the z-axis. On the web, shadows are depicted by manipulating the "
    "y-axis only. The following example shows the card with a height of 6dp.\n\n"

    "Resting elevation.\n\n"

    "All material objects, regardless of size, have a resting elevation, or default elevation "
    "that does not change. If an object changes elevation, it should return to its resting "
    "elevation as soon as possible.\n\n"

    "Component elevations.\n\n"

    "The resting elevation for a component type is consistent across apps (e.g., FAB elevation "
    "does not vary from 6dp in one app to 16dp in another app).\n"
    "Components may have different resting elevations across platforms, depending on the depth "
    "of the environment (e.g., TV has a greater depth than mobile or desktop).\n\n"

    "Responsive elevation and dynamic elevation offsets.\n\n"

    "Some component types have responsive elevation, meaning they change elevation in response "
    "to user input (e.g., normal, focused, and pressed) or system events. These elevation "
    "changes are consistently implemented using dynamic elevation offsets.\n"
    "Dynamic elevation offsets are the goal elevation that a component moves towards, relative "
    "to the component's resting state. They ensure that elevation changes are consistent "
    "across actions and component types. For example, all components that lift on press have "
    "the same elevation change relative to their resting elevation.\n"
    "Once the input event is completed or cancelled, the component will return to its resting "
    "elevation.\n\n"

    "Avoiding elevation interference.\n\n"

    "Components with responsive elevations may encounter other components as they move between "
    "their resting elevations and dynamic elevation offsets. Because material cannot pass "
    "through other material, components avoid interfering with one another any number of ways, "
    "whether on a per component basis or using the entire app layout.\n"
    "On a component level, components can move or be removed before they cause interference. "
    "For example, a floating action button (FAB) can disappear or move off screen before a "
    "user picks up a card, or it can move if a snackbar appears.\n"
    "On the layout level, design your app layout to minimize opportunities for interference. "
    "For example, position the FAB to one side of stream of a cards so the FAB won't interfere "
    "when a user tries to pick up one of cards.\n\n"
</string>
<string name="action_settings">Settings</string>
<string name="title_activity_agreement">agreementActivity</string>

<string name="eula_title">End User Licence Agreement</string>
<string name="eula_contents">By clicking "accept agreement" when you first install the Software,
    you agree to be bound by the provisions of this EULA.[ If you do not agree to be bound by the
    provisions of this EULA, you must [click "reject agreement" during the installation process and
    promptly return the Software (on the media upon which the Software was provided) to your supplier].
    [ Upon returning the Software and providing proof of purchase, you will be entitled to a refund.]]
</string>
<string name="accept">Accept</string>
<string name="reject">Reject</string>
<string name="create_account">Create account</string>
<string name="already_have_account_login_now">Already have account? Login now.</string>
<string name="reset_password">Reset Password</string>
<string name="note9img">note9img</string>
<string name="samsung_galaxy_note_9">Samsung Galaxy Note 9</string>
<string name="_4_7">4.7</string>
<string name="rm1000">RM1000</string>
<string name="_6_4_inch_8gb_ram">6.4 Inch, 8GB RAM</string>
<string name="rm2000_rm4000">RM2000 - RM4000</string>
<string name="samsung_galaxy_s10e">Samsung Galaxy S10e</string>
<string name="_5_8_inch_8gb_ram">5.8 Inch, 8GB RAM</string>
<string name="rm2000_3500">RM2699</string>
<string name="_4_5">4.5</string>
<string name="rm2000_4000">RM3699 - 4599</string>
<string name="increaseButton">+</string>
<string name="decreaseButton">-</string>
<string name="quantity">0</string>

<string name="note9_desc">
    Network Tech: GSM / CDMA / HSPA / EVDO / LTE \n\n
    Display Type: Super AMOLED capacitive touchscreen, 16M colors \n\n
```

```xml
        Display Size: 6.4 inches, 103.2 cm2 (~83.4% screen-to-body ratio) \n\n
        Display Resolution: 1440 x 2960 pixels, 18.5:9 ratio (~516 ppi density) \n\n
        Platform OS: Android 8.1 (Oreo), upgradable to Android 9.0 (Pie); One UI \n\n
        Platform Chipset: Exynos 9810 (10 nm) \n\n
        Platform CPU: Octa-core (4x2.7 GHz Mongoose M3 and 4x1.8 GHz Cortex-A55) - EMEA \n\n
        Platform GPU: Mali-G72 MP18 - EMEA \n\n
        Battery: Non-removable Li-Ion 4000 mAh battery
    </string>

    <string name="galaxys10e_desc">
        Network Tech: GSM / CDMA / HSPA / EVDO / LTE \n\n
        Display Type: Dynamic AMOLED capacitive touchscreen, 16M colors \n\n
        Display Size: 5.8 inches, 82.8 cm2 (~83.3% screen-to-body ratio) \n\n
        Display Resolution: 1080 x 2280 pixels, 19:9 ratio (~438 ppi density) \n\n
        Platform OS: Android 9.0 (Pie); One UI \n\n
        Platform Chipset: Exynos 9820 (8 nm) - EMEA \n\n
        Platform CPU: Octa-core (2x2.73 GHz Mongoose M4 and 2x2.31 GHz Cortex-A75 and 4x1.95 GHz Cortex-
A55) - EMEA \n\n
        Platform GPU: Mali-G76 MP12 - EMEA \n\n
        Battery: Non-removable Li-Ion 3100 mAh battery
    </string>

    <string name="total">Total :</string>
    <string name="payment">Payment :</string>
    <string name="amount">Amount</string>
    <string name="earphone_rm150">Earphone (+RM150)</string>
    <string name="phone_case_rm30">Phone Case (+RM30)</string>
    <string name="credit_debit_card">Credit / Debit Card</string>
    <string name="credit_card_installment">Credit Card Installment</string>
    <string name="ewallet">eWallet</string>
    <string name="pay">Pay</string>
    <string name="order">Order</string>

    <string name="aboutUsInfo">Hooi Koon Ban (1850514) \n\n
        Loo Zhen Xi (1850170) \n\n
        Wong Teng Jian (1850495) \n\n
        Lim Phin Ren (1850112)

    </string>

    <string name="price128note9">RM3699.00</string>
    <string name="price512note9">RM4599.00</string>
    <string name="price128s10">RM2699.00</string>
    <string name="rm2699_3699">RM2699 - 3699</string>
    <string name="samsung_galaxy_s10_plus">Samsung Galaxy S10 Plus</string>
    <string name="_6_4_inch_12gb_ram">6.4 Inch, 12GB RAM</string>
    <string name="rm3500_4200">RM3500-4200</string>
    <string name="_7_3_inch_12gb_ram">7.3 Inch, 12GB RAM</string>
    <string name="samsung_galaxy_fold">Samsung Galaxy Fold</string>
    <string name="rm2500_4000">RM2500-4000</string>
    <string name="_4_0">4.0</string>
    <string name="rm6000_7000">RM6000-7000</string>
    <string name="_6_2_inch_6gb_ram">6.2 Inch, 6GB RAM</string>
    <string name="samsung_galaxy_s8_plus">Samsung Galaxy S8 Plus</string>
    <string name="samsung_galaxy_m20">Samsung Galaxy M20</string>
    <string name="_5_8_inch_4gb_ram">5.8 Inch, 4GB RAM</string>
    <string name="samsung_galaxy_s8">Samsung Galaxy S8</string>
    <string name="rm4000_5000">RM4000-5000</string>
    <string name="samsung_galaxy_s9_plus">Samsung Galaxy S9 Plus</string>
    <string name="_5_0">5.0</string>
    <string name="rm2500_3500">RM2500-3500</string>
    <string name="samsung_galaxy_s9">Samsung Galaxy S9</string>
    <string name="_6_3inch_4gb_ram">6.3Inch, 4GB RAM</string>
    <string name="_5_8inch_4gb_ram">5.8Inch, 4GB RAM</string>
    <string name="rm2000_3000">RM2000-3000</string>
    <string name="samsung_galaxy_m30">Samsung Galaxy M30</string>
    <string name="_6_4_inch_4gb_ram">6.4 Inch, 4GB RAM</string>
    <string name="_4_3">4.3</string>
    <string name="_4_8">4.8</string>

</resources>
```

Strings Arrays

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

    <string-array name="phone_color_S10e">
        <item>Prism Black</item>
        <item>Prism White</item>
        <item>Prism Green</item>
    </string-array>

    <string-array name="phone_color_note9">
        <item>Midnight Black</item>
        <item>Metallic Copper</item>
        <item>Ocean Blue</item>
        <item>Lavender Purple</item>
    </string-array>

    <string-array name="spinner_gb">
        <item>128GB</item>
        <item>512GB</item>
    </string-array>

    <string-array name="spinner_S10gb">
        <item>128GB</item>
    </string-array>
</resources>
```

Styles

```xml
<resources>

    <!-- Base application theme. -->
    <style name="AppTheme" parent="Theme.AppCompat.Light.DarkActionBar">
        <!-- Customize your theme here. -->
        <item name="colorPrimary">@color/colorPrimary</item>
        <item name="colorPrimaryDark">@color/colorPrimaryDark</item>
        <item name="colorAccent">@color/colorAccent</item>
    </style>

    <style name="AppTheme.NoActionBar">
        <item name="windowActionBar">false</item>
        <item name="windowNoTitle">true</item>
    </style>

    <style name="AppTheme.AppBarOverlay" parent="ThemeOverlay.AppCompat.Dark.ActionBar" />

    <style name="AppTheme.PopupOverlay" parent="ThemeOverlay.AppCompat.Light" />

    <style name="Price">
        <item name="android:textSize">20dp</item>
        <item name="android:textStyle">bold</item>
        <item name="android:textColor">#6C7A89</item>
    </style>

</resources>
```

Pref Data

```xml
<PreferenceScreen xmlns:android="http://schemas.android.com/apk/res/android">

    <!-- NOTE: Hide buttons to simplify the UI. Users can touch outside the dialog to
         dismiss it. -->
    <!-- NOTE: ListPreference's summary should be set to its value by the activity code. -->
    <ListPreference
        android:defaultValue="180"
        android:entries="@array/pref_sync_frequency_titles"
        android:entryValues="@array/pref_sync_frequency_values"
        android:key="sync_frequency"
        android:negativeButtonText="@null"
        android:positiveButtonText="@null"
        android:title="@string/pref_title_sync_frequency" />

    <!-- This preference simply launches an intent when selected. Use this UI sparingly, per
         design guidelines. -->
    <Preference android:title="@string/pref_title_system_sync_settings">
        <intent android:action="android.settings.SYNC_SETTINGS" />
    </Preference>
```
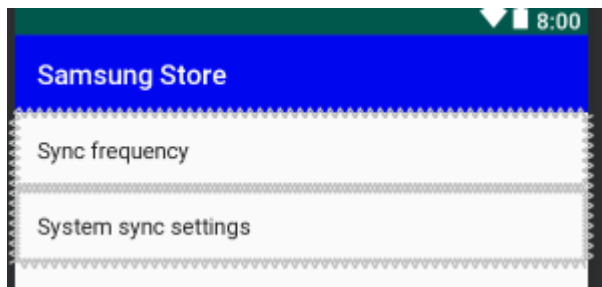
```
</PreferenceScreen>
```


Pref General

```
<PreferenceScreen xmlns:android="http://schemas.android.com/apk/res/android">

    <SwitchPreference
        android:defaultValue="true"
        android:key="example_switch"
        android:summary="@string/pref_description_social_recommendations"
        android:title="@string/pref_title_social_recommendations" />

    <!-- NOTE: EditTextPreference accepts EditText attributes. -->
    <!-- NOTE: EditTextPreference's summary should be set to its value by the activity code. -->
    <EditTextPreference
        android:capitalize="words"
        android:defaultValue="@string/pref_default_display_name"
        android:inputType="textCapWords"
        android:key="example_text"
        android:maxLines="1"
        android:selectAllOnFocus="true"
        android:singleLine="true"
        android:title="@string/pref_title_display_name" />

    <!-- NOTE: Hide buttons to simplify the UI. Users can touch outside the dialog to
         dismiss it. -->
    <!-- NOTE: ListPreference's summary should be set to its value by the activity code. -->
    <ListPreference
        android:defaultValue="-1"
        android:entries="@array/pref_example_list_titles"
        android:entryValues="@array/pref_example_list_values"
        android:key="example_list"
        android:negativeButtonText="@null"
        android:positiveButtonText="@null"
        android:title="@string/pref_title_add_friends_to_messages" />

</PreferenceScreen>
```
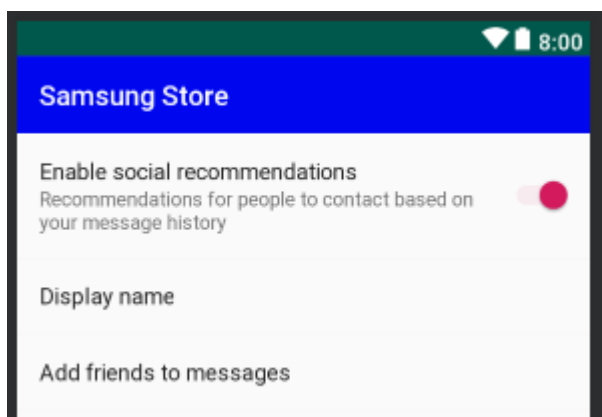
Pref Headers

```xml
<preference-headers xmlns:android="http://schemas.android.com/apk/res/android">

    <!-- These settings headers are only used on tablets. -->

    <header
        android:fragment="com.example.samsungstore.SettingsActivity$GeneralPreferenceFragment"
        android:icon="@drawable/ic_info_black_24dp"
        android:title="@string/pref_header_general" />

    <header
        android:fragment="com.example.samsungstore.SettingsActivity$NotificationPreferenceFragment"
        android:icon="@drawable/ic_notifications_black_24dp"
        android:title="@string/pref_header_notifications" />

    <header
        android:fragment="com.example.samsungstore.SettingsActivity$DataSyncPreferenceFragment"
        android:icon="@drawable/ic_sync_black_24dp"
        android:title="@string/pref_header_data_sync" />

</preference-headers>
```

Pref Notification

```xml
<PreferenceScreen xmlns:android="http://schemas.android.com/apk/res/android">

    <!-- A 'parent' preference, which enables/disables child preferences (below)
         when checked/unchecked. -->
    <SwitchPreference
        android:defaultValue="true"
        android:key="notifications_new_message"
        android:title="@string/pref_title_new_message_notifications" />

    <!-- Allows the user to choose a ringtone in the 'notification' category. -->
    <!-- NOTE: This preference will be enabled only when the checkbox above is checked. -->
    <!-- NOTE: RingtonePreference's summary should be set to its value by the activity code. -->
    <RingtonePreference
        android:defaultValue="content://settings/system/notification_sound"
        android:dependency="notifications_new_message"
        android:key="notifications_new_message_ringtone"
        android:ringtoneType="notification"
        android:title="@string/pref_title_ringtone" />

    <!-- NOTE: This preference will be enabled only when the checkbox above is checked. -->
    <SwitchPreference
        android:defaultValue="true"
        android:dependency="notifications_new_message"
        android:key="notifications_new_message_vibrate"
        android:title="@string/pref_title_vibrate" />

</PreferenceScreen>
```
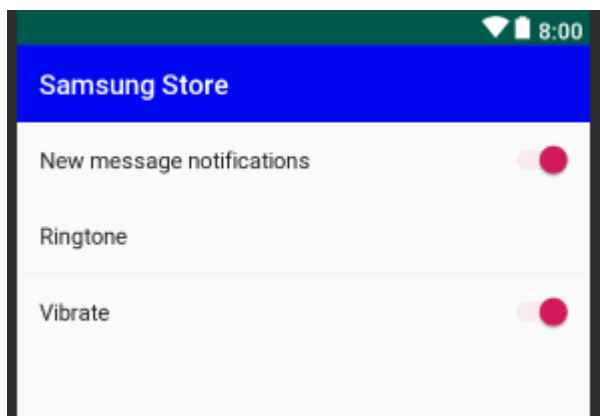
Java Main Activity

```java
package com.example.samsungstore;

import android.content.Intent;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.text.Html;
import android.view.Menu;
import android.view.MenuInflater;
import android.view.MenuItem;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;

import com.facebook.AccessToken;
import com.facebook.CallbackManager;
import com.facebook.FacebookCallback;
import com.facebook.FacebookException;
import com.facebook.login.LoginManager;
import com.facebook.login.LoginResult;
import com.facebook.login.widget.LoginButton;

import java.util.Arrays;

public class MainActivity extends AppCompatActivity {
    CallbackManager callbackManager;
    LoginButton loginButton;
    Button Button_login;
    TextView textViewFgtPassword;
    EditText Email;
    EditText Password;
    TextView wrong;
    int count = 5;

    private static final String EMAIL = "email";

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

        Email = findViewById(R.id.editText_email);
        Password = findViewById(R.id.editText_password);
        wrong = findViewById(R.id.textView_wrong);
        Button_login = findViewById(R.id.button_login);

        textViewFgtPassword = (TextView) findViewById(R.id.textView_fgtPassword);
        textViewFgtPassword.setText(Html.fromHtml("<u>Forgot password?</u>"));

        TextView btnForgotPassword = (TextView) findViewById(R.id.textView_fgtPassword);
        btnForgotPassword.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent intent = new Intent(MainActivity.this, ForgotPasswordActivity.class);
                startActivity(intent);
            }
        });

        callbackManager = CallbackManager.Factory.create();

        loginButton = (LoginButton) findViewById(R.id.fblogin_button);
        loginButton.setReadPermissions(Arrays.asList(EMAIL));
        // If you are using in a fragment, call loginButton.setFragment(this);

        // Callback registration
        loginButton.registerCallback(callbackManager, new FacebookCallback<LoginResult>() {
            @Override
            public void onSuccess(LoginResult loginResult) {
                Intent intent = new Intent(getApplicationContext(), AgreementActivity.class);
                startActivity(intent);
            }

            @Override
            public void onCancel() {
                Intent intent = new Intent(getApplicationContext(), MainActivity.class);
                startActivity(intent);
            }

            @Override
            public void onError(FacebookException exception) {
                Intent intent = new Intent(getApplicationContext(), AgreementActivity.class);
                startActivity(intent);
            }
        });
```

```java
        AccessToken accessToken = AccessToken.getCurrentAccessToken();
        boolean isLoggedIn = accessToken != null && !accessToken.isExpired();

    }


    @Override
    protected void onActivityResult(int requestCode, int resultCode, Intent data) {
        callbackManager.onActivityResult(requestCode, resultCode, data);
        super.onActivityResult(requestCode, resultCode, data);

    }

    // Menu part
    @Override
    public boolean onCreateOptionsMenu(Menu menu){
        MenuInflater inflater = getMenuInflater();
        inflater.inflate(R.menu.menu,menu);

        return true;
    }

    @Override
    public boolean onOptionsItemSelected(MenuItem item){

        switch(item.getItemId()){
            case R.id.about:
                startActivity(new Intent(this, AboutActivity.class));
                return true;

            case R.id.settings:
                startActivity(new Intent(this, SettingsActivity.class));
                return true;
            case R.id.exit:
                moveTaskToBack(true);
                android.os.Process.killProcess(android.os.Process.myPid());
                System.exit(1);

            default:
                return super.onOptionsItemSelected(item);
        }
    }

    // redirect to agreement activity
    public void agreement(View view){
        Intent intent = new Intent(getApplicationContext(), AgreementActivity.class);
        startActivity(intent);
    }

    public void Login(View view){

        if(((Email.getText().toString()).equals("admin@email.com")) &&
((Password.getText().toString()).equals("admin")) ){
            Intent intent = new Intent(this, AgreementActivity.class);
            startActivity(intent);
        }
        else{
            count--;
            wrong.setVisibility(View.VISIBLE);
            wrong.setText("You can try " + String.valueOf(count) +" more time");
            if(count==0){
                wrong.setText("Too many failed attemps. Plese try again later.");
                Button_login.setEnabled(false);
            }
        }
    }

    // redirect to main activity
    public void registerPage(View view){
        Intent intent = new Intent(getApplicationContext(), SignUpActivity.class);
        startActivity(intent);
    }


}
```

Java Sign Up

```java
package com.example.samsungstore;

import android.content.Intent;
import android.support.annotation.NonNull;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.text.Html;
import android.text.TextUtils;
import android.util.Log;
import android.view.MenuItem;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.ProgressBar;
import android.widget.TextView;
import android.widget.Toast;

import com.google.android.gms.common.oob.SignUp;
import com.google.android.gms.tasks.OnCompleteListener;
import com.google.android.gms.tasks.Task;
import com.google.firebase.auth.AuthResult;
import com.google.firebase.auth.FirebaseAuth;
import com.google.firebase.auth.FirebaseUser;

import org.w3c.dom.Text;

public class SignUpActivity extends MainActivity {
    TextView textViewAlreadyHave;
    Button button_create;

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

        getSupportActionBar().setDisplayShowHomeEnabled(true);
        getSupportActionBar().setDisplayHomeAsUpEnabled(true);

        textViewAlreadyHave = (TextView) findViewById(R.id.textView_loginNow);
        textViewAlreadyHave.setText(Html.fromHtml("<u>Already have an account? Login now.</u>"));

        TextView btnLoginNow = (TextView) findViewById(R.id.textView_loginNow);
        btnLoginNow.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent intent = new Intent(SignUpActivity.this, MainActivity.class);
                startActivity(intent);
            }
        });

    }

    public void create(View view){
        Intent intent = new Intent(this,MainActivity.class);
        startActivity(intent);
    }

    // previous button on toolbar
    @Override
    public boolean onOptionsItemSelected(MenuItem item){
        int id = item.getItemId();

        if(id == android.R.id.home){

            this.finish();
        }

        return super.onOptionsItemSelected(item);

    }
}
```

Java Forgot Password

```java
package com.example.samsungstore;

import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.text.Html;
import android.view.MenuItem;
import android.widget.TextView;

public class ForgotPasswordActivity extends AppCompatActivity {

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

        getSupportActionBar().setDisplayShowHomeEnabled(true);
        getSupportActionBar().setDisplayHomeAsUpEnabled(true);

    }

    // previous button on toolbar
    @Override
    public boolean onOptionsItemSelected(MenuItem item){
        int id = item.getItemId();

        if(id == android.R.id.home){

            this.finish();
        }

        return super.onOptionsItemSelected(item);
    }
}
```

Java Agreement

```java
package com.example.samsungstore;

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

public class AgreementActivity extends AppCompatActivity {
    Button buttonAccept;
    Button buttonReject;

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

        buttonAccept = (Button) findViewById(R.id.button_accept);
        buttonReject = (Button) findViewById(R.id.button_reject);

        getSupportActionBar().setDisplayShowHomeEnabled(true);
        getSupportActionBar().setDisplayHomeAsUpEnabled(true);

    }

    // previous button on toolbar
    @Override
    public boolean onOptionsItemSelected(MenuItem item){
        int id = item.getItemId();

        if(id == android.R.id.home){

            this.finish();
        }

        return super.onOptionsItemSelected(item);
    }

    public void agreementAccept(View v){
        Intent intent = new Intent(getApplicationContext(), ItemsActivity.class);
        startActivity(intent);
    }

    public void agreementReject(View v){
        Intent intent = new Intent(getApplicationContext(), MainActivity.class);
```

```
            startActivity(intent);
    }
}
```

Java Items

```java
package com.example.samsungstore;

import android.content.Intent;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.Menu;
import android.view.MenuInflater;
import android.view.MenuItem;
import android.view.View;

public class ItemsActivity extends AppCompatActivity {

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

        getSupportActionBar().setDisplayShowHomeEnabled(true);
        getSupportActionBar().setDisplayHomeAsUpEnabled(true);
    }

    // previous button on toolbar
    @Override
    public boolean onOptionsItemSelected(MenuItem item){
        int id = item.getItemId();

        if(id == android.R.id.home){

            this.finish();
        }

        return super.onOptionsItemSelected(item);
    }

    // cardView onClick
    public void itemSelect1(View view){
        Intent intent = new Intent(getApplicationContext(), Note9Activity.class);
        startActivity(intent);
    }

    public void itemSelect2(View view){
        Intent intent = new Intent(getApplicationContext(), s10e.class);
        startActivity(intent);
    }

}
```

Java About

```java
package com.example.samsungstore;

import android.content.Intent;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.Menu;
import android.view.MenuInflater;
import android.view.MenuItem;

public class AboutActivity extends AppCompatActivity {

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

        getSupportActionBar().setDisplayShowHomeEnabled(true);
        getSupportActionBar().setDisplayHomeAsUpEnabled(true);
    }

    // previous button on toolbar
    @Override
    public boolean onOptionsItemSelected(MenuItem item){
        int id = item.getItemId();

        if(id == android.R.id.home){

            this.finish();
```

```
            }

            return super.onOptionsItemSelected(item);

    }

}
```

Java Settings

```java
package com.example.samsungstore;

import android.annotation.TargetApi;
import android.content.Context;
import android.content.Intent;
import android.content.res.Configuration;
import android.media.Ringtone;
import android.media.RingtoneManager;
import android.net.Uri;
import android.os.Build;
import android.os.Bundle;
import android.preference.ListPreference;
import android.preference.Preference;
import android.preference.PreferenceActivity;
import android.support.v7.app.ActionBar;
import android.preference.PreferenceFragment;
import android.preference.PreferenceManager;
import android.preference.RingtonePreference;
import android.text.TextUtils;
import android.view.MenuItem;

import java.util.List;

/**
 * A {@link PreferenceActivity} that presents a set of application settings. On
 * handset devices, settings are presented as a single list. On tablets,
 * settings are split by category, with category headers shown to the left of
 * the list of settings.
 * <p>
 * See <a href="http://developer.android.com/design/patterns/settings.html">
 * Android Design: Settings</a> for design guidelines and the <a
 * href="http://developer.android.com/guide/topics/ui/settings.html">Settings
 * API Guide</a> for more information on developing a Settings UI.
 */
public class SettingsActivity extends AppCompatPreferenceActivity {

    /**
     * A preference value change listener that updates the preference's summary
     * to reflect its new value.
     */
    private static Preference.OnPreferenceChangeListener sBindPreferenceSummaryToValueListener =    new
Preference.OnPreferenceChangeListener() {
        @Override
        public boolean onPreferenceChange(Preference preference, Object value) {
            String stringValue = value.toString();

            if (preference instanceof ListPreference) {
                // For list preferences, look up the correct display value in
                // the preference's 'entries' list.
                ListPreference listPreference = (ListPreference) preference;
                int index = listPreference.findIndexOfValue(stringValue);

                // Set the summary to reflect the new value.
                preference.setSummary(
                        index >= 0
                                ? listPreference.getEntries()[index]
                                : null);

            } else if (preference instanceof RingtonePreference) {
                // For ringtone preferences, look up the correct display value
                // using RingtoneManager.
                if (TextUtils.isEmpty(stringValue)) {
                    // Empty values correspond to 'silent' (no ringtone).
                    preference.setSummary(R.string.pref_ringtone_silent);

                } else {
                    Ringtone ringtone = RingtoneManager.getRingtone(
                            preference.getContext(), Uri.parse(stringValue));

                    if (ringtone == null) {
                        // Clear the summary if there was a lookup error.
                        preference.setSummary(null);
                    } else {
                        // Set the summary to reflect the new ringtone display
                        // name.
```

```java
                        String name = ringtone.getTitle(preference.getContext());
                        preference.setSummary(name);
                    }
                }

            } else {
                // For all other preferences, set the summary to the value's
                // simple string representation.
                preference.setSummary(stringValue);
            }
            return true;
        }
    };

    /**
     * Helper method to determine if the device has an extra-large screen. For
     * example, 10" tablets are extra-large.
     */
    private static boolean isXLargeTablet(Context context) {
        return (context.getResources().getConfiguration().screenLayout
                & Configuration.SCREENLAYOUT_SIZE_MASK) >= Configuration.SCREENLAYOUT_SIZE_XLARGE;
    }

    /**
     * Binds a preference's summary to its value. More specifically, when the
     * preference's value is changed, its summary (line of text below the
     * preference title) is updated to reflect the value. The summary is also
     * immediately updated upon calling this method. The exact display format is
     * dependent on the type of preference.
     *
     * @see #sBindPreferenceSummaryToValueListener
     */
    private static void bindPreferenceSummaryToValue(Preference preference) {
        // Set the listener to watch for value changes.
        preference.setOnPreferenceChangeListener(sBindPreferenceSummaryToValueListener);

        // Trigger the listener immediately with the preference's
        // current value.
        sBindPreferenceSummaryToValueListener.onPreferenceChange(preference,
                PreferenceManager
                        .getDefaultSharedPreferences(preference.getContext())
                        .getString(preference.getKey(), ""));
    }

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setupActionBar();
    }

    /**
     * Set up the {@link android.app.ActionBar}, if the API is available.
     */
    private void setupActionBar() {
        ActionBar actionBar = getSupportActionBar();
        if (actionBar != null) {
            // Show the Up button in the action bar.
            actionBar.setDisplayHomeAsUpEnabled(true);
        }
    }

    /**
     * {@inheritDoc}
     */
    @Override
    public boolean onIsMultiPane() {
        return isXLargeTablet(this);
    }

    /**
     * {@inheritDoc}
     */
    @Override
    @TargetApi(Build.VERSION_CODES.HONEYCOMB)
    public void onBuildHeaders(List<Header> target) {
        loadHeadersFromResource(R.xml.pref_headers, target);
    }

    /**
     * This method stops fragment injection in malicious applications.
     * Make sure to deny any unknown fragments here.
     */
    protected boolean isValidFragment(String fragmentName) {
        return PreferenceFragment.class.getName().equals(fragmentName)
                || GeneralPreferenceFragment.class.getName().equals(fragmentName)
                || DataSyncPreferenceFragment.class.getName().equals(fragmentName)
                || NotificationPreferenceFragment.class.getName().equals(fragmentName);
    }
```

```java
/**
 * This fragment shows general preferences only. It is used when the
 * activity is showing a two-pane settings UI.
 */
@TargetApi(Build.VERSION_CODES.HONEYCOMB)
public static class GeneralPreferenceFragment extends PreferenceFragment {
    @Override
    public void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        addPreferencesFromResource(R.xml.pref_general);
        setHasOptionsMenu(true);

        // Bind the summaries of EditText/List/Dialog/Ringtone preferences
        // to their values. When their values change, their summaries are
        // updated to reflect the new value, per the Android Design
        // guidelines.
        bindPreferenceSummaryToValue(findPreference("example_text"));
        bindPreferenceSummaryToValue(findPreference("example_list"));
    }

    @Override
    public boolean onOptionsItemSelected(MenuItem item) {
        int id = item.getItemId();
        if (id == android.R.id.home) {
            startActivity(new Intent(getActivity(), SettingsActivity.class));
            return true;
        }
        return super.onOptionsItemSelected(item);
    }
}

/**
 * This fragment shows notification preferences only. It is used when the
 * activity is showing a two-pane settings UI.
 */
@TargetApi(Build.VERSION_CODES.HONEYCOMB)
public static class NotificationPreferenceFragment extends PreferenceFragment {
    @Override
    public void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        addPreferencesFromResource(R.xml.pref_notification);
        setHasOptionsMenu(true);

        // Bind the summaries of EditText/List/Dialog/Ringtone preferences
        // to their values. When their values change, their summaries are
        // updated to reflect the new value, per the Android Design
        // guidelines.
        bindPreferenceSummaryToValue(findPreference("notifications_new_message_ringtone"));
    }

    @Override
    public boolean onOptionsItemSelected(MenuItem item) {
        int id = item.getItemId();
        if (id == android.R.id.home) {
            startActivity(new Intent(getActivity(), SettingsActivity.class));
            return true;
        }
        return super.onOptionsItemSelected(item);
    }
}

/**
 * This fragment shows data and sync preferences only. It is used when the
 * activity is showing a two-pane settings UI.
 */
@TargetApi(Build.VERSION_CODES.HONEYCOMB)
public static class DataSyncPreferenceFragment extends PreferenceFragment {
    @Override
    public void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        addPreferencesFromResource(R.xml.pref_data_sync);
        setHasOptionsMenu(true);

        // Bind the summaries of EditText/List/Dialog/Ringtone preferences
        // to their values. When their values change, their summaries are
        // updated to reflect the new value, per the Android Design
        // guidelines.
        bindPreferenceSummaryToValue(findPreference("sync_frequency"));
    }

    @Override
    public boolean onOptionsItemSelected(MenuItem item) {
        int id = item.getItemId();
        if (id == android.R.id.home) {
            startActivity(new Intent(getActivity(), SettingsActivity.class));
            return true;
        }
```

```
                return super.onOptionsItemSelected(item);
            }
        }
}
```

Java App CompatPreference

```java
package com.example.samsungstore;

import android.content.res.Configuration;
import android.os.Bundle;
import android.preference.PreferenceActivity;
import android.support.annotation.LayoutRes;
import android.support.annotation.Nullable;
import android.support.v7.app.ActionBar;
import android.support.v7.app.AppCompatDelegate;
import android.support.v7.widget.Toolbar;
import android.view.MenuInflater;
import android.view.View;
import android.view.ViewGroup;

/**
 * A {@link android.preference.PreferenceActivity} which implements and proxies the necessary calls
 * to be used with AppCompat.
 */
public abstract class AppCompatPreferenceActivity extends PreferenceActivity {
    private AppCompatDelegate mDelegate;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        getDelegate().installViewFactory();
        getDelegate().onCreate(savedInstanceState);
        super.onCreate(savedInstanceState);
    }

    @Override
    protected void onPostCreate(Bundle savedInstanceState) {
        super.onPostCreate(savedInstanceState);
        getDelegate().onPostCreate(savedInstanceState);
    }

    public ActionBar getSupportActionBar() {
        return getDelegate().getSupportActionBar();
    }

    public void setSupportActionBar(@Nullable Toolbar toolbar) {
        getDelegate().setSupportActionBar(toolbar);
    }

    @Override
    public MenuInflater getMenuInflater() {
        return getDelegate().getMenuInflater();
    }

    @Override
    public void setContentView(@LayoutRes int layoutResID) {
        getDelegate().setContentView(layoutResID);
    }

    @Override
    public void setContentView(View view) {
        getDelegate().setContentView(view);
    }

    @Override
    public void setContentView(View view, ViewGroup.LayoutParams params) {
        getDelegate().setContentView(view, params);
    }

    @Override
    public void addContentView(View view, ViewGroup.LayoutParams params) {
        getDelegate().addContentView(view, params);
    }

    @Override
    protected void onPostResume() {
        super.onPostResume();
        getDelegate().onPostResume();
    }

    @Override
    protected void onTitleChanged(CharSequence title, int color) {
        super.onTitleChanged(title, color);
        getDelegate().setTitle(title);
```

```
    }

    @Override
    public void onConfigurationChanged(Configuration newConfig) {
        super.onConfigurationChanged(newConfig);
        getDelegate().onConfigurationChanged(newConfig);
    }

    @Override
    protected void onStop() {
        super.onStop();
        getDelegate().onStop();
    }

    @Override
    protected void onDestroy() {
        super.onDestroy();
        getDelegate().onDestroy();
    }

    public void invalidateOptionsMenu() {
        getDelegate().invalidateOptionsMenu();
    }

    private AppCompatDelegate getDelegate() {
        if (mDelegate == null) {
            mDelegate = AppCompatDelegate.create(this, null);
        }
        return mDelegate;
    }
}
```

Java Note9

```
package com.example.samsungstore;

import android.app.NotificationChannel;
import android.app.NotificationManager;
import android.app.PendingIntent;
import android.content.Context;
import android.content.DialogInterface;
import android.content.Intent;
import android.os.Build;
import android.provider.ContactsContract;
import android.support.v4.app.NotificationCompat;
import android.support.v7.app.AlertDialog;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.Menu;
import android.view.MenuInflater;
import android.view.MenuItem;
import android.view.View;
import android.widget.AdapterView;
import android.widget.ArrayAdapter;
import android.widget.CheckBox;
import android.widget.EditText;
import android.widget.ImageView;
import android.widget.RadioGroup;
import android.widget.Spinner;
import android.widget.TextView;
import android.widget.Toast;

import java.text.NumberFormat;
import java.util.Locale;

public class Note9Activity extends MainActivity implements AdapterView.OnItemSelectedListener{

    TextView textview_quantity;
    Spinner spinner_gb;
    Spinner spinner_color;
    TextView textview_price;
    TextView textview_total;
    EditText edittext_payment;
    TextView textview_total_num;
    TextView textview_title;
    RadioGroup Payment;
    double total;
    double change;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_note9);

        getSupportActionBar().setDisplayShowHomeEnabled(true);
```

```java
        getSupportActionBar().setDisplayHomeAsUpEnabled(true);

        spinner_gb =  findViewById(R.id.spinner_gb);
        ArrayAdapter<CharSequence> adapter = ArrayAdapter.createFromResource(this,
                R.array.spinner_gb, android.R.layout.simple_spinner_item);
        adapter.setDropDownViewResource(android.R.layout.simple_spinner_dropdown_item);
        spinner_gb.setAdapter(adapter);
        spinner_gb.setOnItemSelectedListener(this);

        spinner_color =  findViewById(R.id.spinner_color);
        ArrayAdapter<CharSequence> adaptercolor = ArrayAdapter.createFromResource(this,
                R.array.phone_color_note9, android.R.layout.simple_spinner_item);
        adaptercolor.setDropDownViewResource(android.R.layout.simple_spinner_dropdown_item);
        spinner_color.setAdapter(adaptercolor);
        spinner_color.setOnItemSelectedListener(this);
    }

    // previous button on toolbar
    @Override
    public boolean onOptionsItemSelected(MenuItem item){
        int id = item.getItemId();

        if(id == android.R.id.home){

            this.finish();
        }

        return super.onOptionsItemSelected(item);
    }


    public void increaseQuantity(View view){
        textview_quantity = findViewById(R.id.textView_quantity);
        int quantity = Integer.parseInt(textview_quantity.getText().toString());
        quantity++;
        textview_quantity.setText(String.valueOf(quantity));
    }

    public void decreaseQuantity(View view){
        textview_quantity = findViewById(R.id.textView_quantity);
        if(!textview_quantity.getText().toString().equals("0")) {
            int quantity = Integer.parseInt(textview_quantity.getText().toString());
            quantity--;
            textview_quantity.setText(String.valueOf(quantity));
        }
    }

    public void order(View view){
        textview_quantity = findViewById(R.id.textView_quantity);
        textview_price = findViewById(R.id.textView_pricenote9);
        textview_total = findViewById(R.id.textView_total_num);
        double price = Double.parseDouble(textview_price.getText().toString().substring(2));
        int quantity = Integer.parseInt(textview_quantity.getText().toString());

        total = price * quantity;

        double earphone = 150;
        double phonecase = 30;
        CheckBox EarPhone = findViewById(R.id.checkBox_earphone);
        CheckBox PhoneCase = findViewById(R.id.checkBox_phone_case);
        boolean EarPhoneChecked = EarPhone.isChecked();
        boolean PhoneCaseChecked =  PhoneCase.isChecked();

        if (EarPhoneChecked) {
            total = total + earphone;
        }

        if (PhoneCaseChecked){
            total = total + phonecase;
        }

        Locale locale = new Locale("en","MY");
        Locale.setDefault(locale);

        textview_total.setText(NumberFormat.getCurrencyInstance().format(total));
    }

    public void onItemSelected(AdapterView<?> spinner,View view,int pos, long id) {
        String GB = spinner_gb.getSelectedItem().toString();
        textview_price = findViewById(R.id.textView_pricenote9);
        String Color = spinner_color.getSelectedItem().toString();
        textview_title = findViewById(R.id.textView_title);

        if(GB.equals("128GB")){
            textview_price.setText(getString(R.string.price128note9));
        }

        if (GB.equals("512GB")){
```

```java
                textview_price.setText(getString(R.string.price512note9));
        }

        if(Color.equals("Midnight Black")){
            textview_title.setCompoundDrawablesWithIntrinsicBounds(0,R.drawable.note9black,0,0);
        }

        if(Color.equals("Metallic Copper")){
            textview_title.setCompoundDrawablesWithIntrinsicBounds(0,R.drawable.note9copper,0,0);
        }

        if(Color.equals("Ocean Blue")){
            textview_title.setCompoundDrawablesWithIntrinsicBounds(0,R.drawable.note9blue,0,0);
        }

        if(Color.equals("Lavender Purple")){
            textview_title.setCompoundDrawablesWithIntrinsicBounds(0,R.drawable.note9purple,0,0);
        }
    }

    public void onNothingSelected(AdapterView<?> parent) {
        // Another interface callback
    }

    public void payment(View view){

        Payment = findViewById(R.id.radioSexPaymentMethod);
        int selectID =Payment.getCheckedRadioButtonId();


        switch (selectID) {
            case R.id.radioButton_card:

                break;

            case R.id.radioButton_installment:

                break;

            case R.id.radioButton_ewallet:

                break;
        }

        if(selectID != -1) {
            AlertDialog.Builder alertDialogBuilder = new AlertDialog.Builder(this);
            alertDialogBuilder.setMessage("Are you sure you want to make payment?");
            alertDialogBuilder.setPositiveButton("Yes",
                    new DialogInterface.OnClickListener() {
                        @Override
                        public void onClick(DialogInterface arg0, int arg1) {

                            textview_total_num = findViewById(R.id.textView_total_num);
                            edittext_payment = findViewById(R.id.editText_payment_amount);

                            if (edittext_payment.getText().toString().isEmpty()) {
                                Toast.makeText(Note9Activity.this, "Please enter your payment amount.",
Toast.LENGTH_LONG).show();
                            } else {
                                double payment = Double.parseDouble(edittext_payment.getText().toString());
                                double total1 =
Double.parseDouble(textview_price.getText().toString().substring(2));

                                if (payment > total1) {
                                    change = payment - total1;

                                    Toast.makeText(Note9Activity.this, "Payment successful! Your change is"
+ (NumberFormat.getCurrencyInstance().format(change)), Toast.LENGTH_LONG).show();
                                    notification();
                                } else {
                                    Toast.makeText(Note9Activity.this, "Payment unsuccessful! Not enough
payment amount!", Toast.LENGTH_LONG).show();
                                }
                            }
                        }

                    });

            alertDialogBuilder.setNegativeButton("No"
                    ,new DialogInterface.OnClickListener() {

                        public void onClick(DialogInterface dialog, int which) {
                            //do nothing
                        }
                    });

            AlertDialog alertDialog = alertDialogBuilder.create();
            alertDialog.show();
```

```java
        }
        else {
            AlertDialog.Builder alertDialogBuilder = new AlertDialog.Builder(this);
            alertDialogBuilder.setMessage("Please select a payment method.");
            alertDialogBuilder.setPositiveButton("OK",
                    new DialogInterface.OnClickListener() {
                        @Override
                        public void onClick(DialogInterface arg0, int arg1) {
                            //do nothing
                        }
                    });

            AlertDialog alertDialog = alertDialogBuilder.create();
            alertDialog.show();
        }
    }

    public void  notification(){
        NotificationManager mNotificationManager =
                (NotificationManager) getSystemService(Context.NOTIFICATION_SERVICE);

        if (android.os.Build.VERSION.SDK_INT >= android.os.Build.VERSION_CODES.O) {        // for API 26
and higher
            NotificationChannel channel = new NotificationChannel("002",
                    "CHANNEL_2",
                    NotificationManager.IMPORTANCE_HIGH);
            channel.setDescription("YOUR_NOTIFICATION_CHANNEL_DISCRIPTION");

            mNotificationManager.createNotificationChannel(channel);
        }

        NotificationCompat.Builder mBuilder = new NotificationCompat.Builder(getApplicationContext(),
"002")
                .setSmallIcon(R.drawable.samsungicon) // notification icon
                //   .setColor(this.getResources().getColor(R.color.colorPurple))
                .setContentTitle("Samsung Store") // title for notification
                .setContentText("You have completed the payment Here is your change RM" + change)// message
for notification
                .setAutoCancel(true); // clear notification after click

        Intent intent = new Intent(getApplicationContext(), Note9Activity.class);
        PendingIntent pi = PendingIntent.getActivity(Note9Activity.this, 0, intent,
PendingIntent.FLAG_UPDATE_CURRENT);
        mBuilder.setContentIntent(pi);

        mNotificationManager.notify(002, mBuilder.build());
    }

}
```

Java S10E

```java
package com.example.samsungstore;

import android.app.NotificationChannel;
import android.app.NotificationManager;
import android.app.PendingIntent;
import android.content.Context;
import android.content.DialogInterface;
import android.content.Intent;
import android.graphics.Color;
import android.support.v4.app.NotificationCompat;
import android.support.v7.app.AlertDialog;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.MenuItem;
import android.view.View;
import android.widget.AdapterView;
import android.widget.ArrayAdapter;
import android.widget.CheckBox;
import android.widget.EditText;
import android.widget.RadioGroup;
import android.widget.Spinner;
import android.widget.TextView;
import android.widget.Toast;

import java.text.NumberFormat;
import java.util.Locale;

public class s10e extends MainActivity implements AdapterView.OnItemSelectedListener {

    Spinner spinner_S10gb;
    Spinner spinner_color;
    TextView textview_price;
    TextView textview_quantity;
```

```java
    TextView textview_total;
    TextView textview_total_num;
    EditText edittext_payment;
    TextView textview_title;
    RadioGroup Payment;
    double change;
    double total;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_s10e);

        getSupportActionBar().setDisplayShowHomeEnabled(true);
        getSupportActionBar().setDisplayHomeAsUpEnabled(true);

        spinner_S10gb =  findViewById(R.id.spinner_s10gb);
        ArrayAdapter<CharSequence> adapter = ArrayAdapter.createFromResource(this,
                R.array.spinner_S10gb, android.R.layout.simple_spinner_item);
        adapter.setDropDownViewResource(android.R.layout.simple_spinner_dropdown_item);
        spinner_S10gb.setAdapter(adapter);
        spinner_S10gb.setOnItemSelectedListener(this);

        spinner_color =  findViewById(R.id.spinner_color);
        ArrayAdapter<CharSequence> adaptercolor = ArrayAdapter.createFromResource(this,
                R.array.phone_color_S10e, android.R.layout.simple_spinner_item);
        adaptercolor.setDropDownViewResource(android.R.layout.simple_spinner_dropdown_item);
        spinner_color.setAdapter(adaptercolor);
        spinner_color.setOnItemSelectedListener(this);
    }

    // previous button on toolbar
    @Override
    public boolean onOptionsItemSelected(MenuItem item){
        int id = item.getItemId();

        if(id == android.R.id.home){

            this.finish();
        }

        return super.onOptionsItemSelected(item);
    }

    public void increaseQuantity(View view){
        textview_quantity = findViewById(R.id.textView_quantity);
        int quantity = Integer.parseInt(textview_quantity.getText().toString());
        quantity++;
        textview_quantity.setText(String.valueOf(quantity));
    }

    public void decreaseQuantity(View view){
        textview_quantity = findViewById(R.id.textView_quantity);
        if(!textview_quantity.getText().toString().equals("0")) {
            int quantity = Integer.parseInt(textview_quantity.getText().toString());
            quantity--;
            textview_quantity.setText(String.valueOf(quantity));
        }
    }

    public void order(View view){
        textview_quantity = findViewById(R.id.textView_quantity);
        textview_price = findViewById(R.id.textView_prices10);
        textview_total = findViewById(R.id.textView_total_num);
        double price = Double.parseDouble(textview_price.getText().toString().substring(2));
        int quantity = Integer.parseInt(textview_quantity.getText().toString());

        total = price * quantity;

        double earphone = 150;
        double phonecase = 30;
        CheckBox EarPhone = findViewById(R.id.checkBox_earphone);
        CheckBox PhoneCase = findViewById(R.id.checkBox_phone_case);
        boolean EarPhoneChecked = EarPhone.isChecked();
        boolean PhoneCaseChecked =  PhoneCase.isChecked();

        if (EarPhoneChecked) {
            total = total + earphone;
        }

        if (PhoneCaseChecked){
            total = total + phonecase;
        }

        Locale locale = new Locale("en","MY");
        Locale.setDefault(locale);

        textview_total.setText(NumberFormat.getCurrencyInstance().format(total));
```

```java
        }

    public void payment(View view){

        Payment = findViewById(R.id.radioSexPaymentMethod);
        int selectID =Payment.getCheckedRadioButtonId();


        switch (selectID) {
            case R.id.radioButton_card:

                break;

            case R.id.radioButton_installment:

                break;

            case R.id.radioButton_ewallet:

                break;
        }

        if(selectID != -1) {
            AlertDialog.Builder alertDialogBuilder = new AlertDialog.Builder(this);
            alertDialogBuilder.setMessage("Are you sure you want to make payment?");
            alertDialogBuilder.setPositiveButton("Yes",
                    new DialogInterface.OnClickListener() {
                        @Override
                        public void onClick(DialogInterface arg0, int arg1) {

                            textview_total_num = findViewById(R.id.textView_total_num);
                            edittext_payment = findViewById(R.id.editText_payment_amount);

                            if (edittext_payment.getText().toString().isEmpty()) {
                                Toast.makeText(s10e.this, "Please enter your payment amount.",
Toast.LENGTH_LONG).show();
                            } else {
                                double payment = Double.parseDouble(edittext_payment.getText().toString());
                                double total1 =
Double.parseDouble(textview_price.getText().toString().substring(2));

                                if (payment > total1) {
                                    change = payment - total1;

                                    Toast.makeText(s10e.this, "Payment successful! Your change is" +
(NumberFormat.getCurrencyInstance().format(change)), Toast.LENGTH_LONG).show();
                                    notification();
                                } else {
                                    Toast.makeText(s10e.this, "Payment unsuccessful! Not enough payment
amount!", Toast.LENGTH_LONG).show();
                                }
                            }
                        }

                    });

            alertDialogBuilder.setNegativeButton("No"
                    ,new DialogInterface.OnClickListener() {

                        public void onClick(DialogInterface dialog, int which) {
                            //do nothing
                        }
                    });

            AlertDialog alertDialog = alertDialogBuilder.create();
            alertDialog.show();
        }
        else {
            AlertDialog.Builder alertDialogBuilder = new AlertDialog.Builder(this);
            alertDialogBuilder.setMessage("Please select a payment method.");
            alertDialogBuilder.setPositiveButton("OK",
                    new DialogInterface.OnClickListener() {
                        @Override
                        public void onClick(DialogInterface arg0, int arg1) {
                            //do nothing
                        }
                    });

            AlertDialog alertDialog = alertDialogBuilder.create();
            alertDialog.show();
        }

    }

    public void onItemSelected(AdapterView<?> spinner, View view, int pos, long id) {
        String GB = spinner_S10gb.getSelectedItem().toString();
        textview_price = findViewById(R.id.textView_prices10);
        String Color = spinner_color.getSelectedItem().toString();
```

```java
        textview_title = findViewById(R.id.textView_title);

        if(GB.equals("128GB")){
            textview_price.setText(R.string.price128s10);
        }

        if(Color.equals("Prism Black")){
            textview_title.setCompoundDrawablesWithIntrinsicBounds(0,R.drawable.s10eblack,0,0);
        }

        if(Color.equals("Prism White")){
            textview_title.setCompoundDrawablesWithIntrinsicBounds(0,R.drawable.s10ewhite,0,0);
        }

        if(Color.equals("Prism Green")){
            textview_title.setCompoundDrawablesWithIntrinsicBounds(0,R.drawable.s10egreen,0,0);
        }

    }

    public void onNothingSelected(AdapterView<?> parent) {
        // Another interface callback
    }

    public void  notification(){
        NotificationManager mNotificationManager =
                (NotificationManager) getSystemService(Context.NOTIFICATION_SERVICE);

        if (android.os.Build.VERSION.SDK_INT >= android.os.Build.VERSION_CODES.O) {          // for API 26
and higher
            NotificationChannel channel = new NotificationChannel("002",
                    "CHANNEL_2",
                    NotificationManager.IMPORTANCE_HIGH);
            channel.setDescription("YOUR_NOTIFICATION_CHANNEL_DISCRIPTION");

            mNotificationManager.createNotificationChannel(channel);
        }

        NotificationCompat.Builder mBuilder = new NotificationCompat.Builder(getApplicationContext(),
"002")
                .setSmallIcon(R.drawable.samsungicon) // notification icon
        //    .setColor(this.getResources().getColor(R.color.colorPurple))
                .setContentTitle("Samsung Store") // title for notification
                .setContentText("You have completed the payment Here is your change RM" + change)// message
for notification
                .setAutoCancel(true); // clear notification after click

        Intent intent = new Intent(getApplicationContext(), s10e.class);
        PendingIntent pi = PendingIntent.getActivity(s10e.this, 0, intent,
PendingIntent.FLAG_UPDATE_CURRENT);
        mBuilder.setContentIntent(pi);

        mNotificationManager.notify(002, mBuilder.build());
    }
}
```