

Source Code in Mobile Application

Timetable app

Loading Page

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

<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"

    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent">

    <androidx.cardview.widget.CardView

        android:id="@+id/cardView"
        android:layout_width="match_parent"
        android:layout_height="60dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent" >

    <androidx.constraintlayout.widget.ConstraintLayout

        android:id="@+id/constraint_layout"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
```

android:background="@color/purple_200">

<ProgressBar

android:id="@+id/progressBar2"

style="?android:attr/progressBarStyle"

android:layout_width="30dp"

android:layout_height="30dp"

android:indeterminate="true"

android:indeterminateTint="@color/black"

android:indeterminateTintMode="src_atop"

android:visibility="gone"

app:layout_constraintBottom_toBottomOf="parent"

app:layout_constraintEnd_toStartOf="@+id/textView2"

app:layout_constraintHorizontal_bias="0.825"

app:layout_constraintStart_toStartOf="parent"

app:layout_constraintTop_toTopOf="parent" />

<TextView

android:id="@+id/textView2"

android:layout_width="wrap_content"

android:layout_height="wrap_content"

android:text="Next"

android:textColor="@color/white"

android:textSize="25sp"

android:textStyle="bold"

```
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.498"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent" />
```

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

```
</androidx.cardview.widget.CardView>
```

```
<ProgressBar
```

```
    android:id="@+id/progressBar"
    style="?android:attr/progressBarStyle"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    tools:layout_editor_absoluteY="607dp" />
```

```
<ImageView
```

```
    android:id="@+id/imageView"
    android:layout_width="256dp"
    android:layout_height="339dp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.496"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
```

```
app:layout_constraintVertical_bias="0.247"  
app:srcCompat="@drawable/timetable" />
```

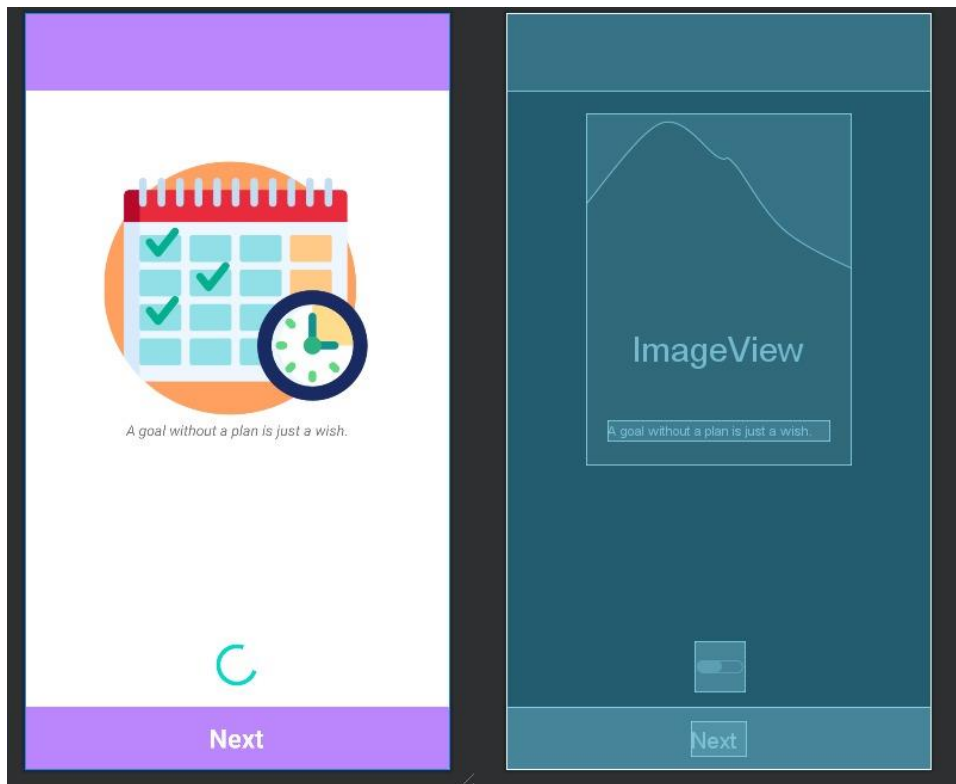
```
<androidx.constraintlayout.widget.ConstraintLayout  
    android:layout_width="411dp"  
    android:layout_height="75dp"  
    android:background="@color/purple_200"  
    app:layout_constraintEnd_toEndOf="parent"  
    app:layout_constraintStart_toStartOf="parent"  
    app:layout_constraintTop_toTopOf="parent">>
```

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

```
<TextView  
    android:id="@+id/textView"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:text="A goal without a plan is just a wish."  
    app:layout_constraintEnd_toEndOf="parent"  
    app:layout_constraintStart_toStartOf="parent"  
    tools:layout_editor_absoluteY="394dp"  
    android:textStyle="italic"
```

```
/>
```

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



Home Page

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

```
tools:context=".MainActivity">
```

```
<androidx.constraintlayout.widget.ConstraintLayout  
    android:id="@+id/layoutHeader"  
    android:layout_width="match_parent"  
    android:layout_height="wrap_content"  
    android:background="@drawable/header_background"  
    android:padding="10dp"  
    app:layout_constraintTop_toTopOf="parent">
```

```
<TextView  
    android:id="@+id/textHello"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_marginStart="15dp"  
    android:layout_marginTop="15dp"  
    android:text="@string/time"  
    android:textColor="@color/black"  
    android:textSize="25sp"  
    app:layout_constraintStart_toStartOf="parent"  
    app:layout_constraintTop_toTopOf="parent"/>
```

```
<TextView  
    android:id="@+id/textUsername"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_marginStart="4dp"
```

```
android:layout_marginTop="15dp"
android:text="@string/table"
android:textColor="@color/black"
android:textSize="25sp"
android:textStyle="bold"
app:layout_constraintStart_toEndOf="@+id/textHello"
app:layout_constraintTop_toTopOf="parent"/>
```

<ImageView

```
android:id="@+id/imageMenu"
android:layout_width="30dp"
android:layout_height="30dp"
android:layout_marginEnd="15dp"
android:contentDescription="@string/app_name"
android:src="@drawable/ic_menu"
app:tint="@color/black"
app:layout_constraintBottom_toBottomOf="@+id/textHello"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintTop_toTopOf="@+id/textHello"/>
```

<LinearLayout

```
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:layout_marginStart="15dp"
android:layout_marginTop="15dp"
android:layout_marginEnd="15dp"
android:layout_marginBottom="10dp"
```

```
android:background="@drawable/white_rectangle_background"
android:orientation="horizontal"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintTop_toBottomOf="@+id/imageMenu">
```

```
<EditText
```

```
    android:layout_width="0dp"
    android:layout_height="40dp"
    android:layout_weight="1"
    android:background="@null"
    android:hint="@string/search_elements"
    android:imeOptions="actionSearch"
    android:inputType="text"
    android:paddingStart="15dp"
    android:paddingEnd="15dp"
    android:textColor="@color/black"
    android:textSize="16sp"
    android:importantForAutofill="no"/>
```

```
<ImageView
```

```
    android:layout_width="40dp"
    android:layout_height="40dp"
    android:background="@drawable/ic_search"
    android:contentDescription="@string/app_name"
    android:padding="6dp"
    android:src="@drawable/ic_search"
    app:tint="@color/white"/>
```



```
</LinearLayout>
```

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

```
<ScrollView
```

```
    android:layout_width="match_parent"
```

```
    android:layout_height="0dp"
```

```
    android:overScrollMode="never"
```

```
    android:scrollbars="none"
```

```
    app:layout_constraintBottom_toBottomOf="parent"
```

```
    app:layout_constraintTop_toBottomOf="@+id/layoutHeader">
```

```
<androidx.constraintlayout.widget.ConstraintLayout
```

```
    android:layout_width="match_parent"
```

```
    android:layout_height="wrap_content">
```

```
<LinearLayout
```

```
    android:id="@+id/layoutMon"
```

```
    android:layout_width="0dp"
```

```
    android:layout_height="wrap_content"
```

```
    android:layout_marginTop="22dp"
```

```
    android:background="@drawable/white_rectangle_background"
```

```
    android:gravity="center"
```

```
    android:orientation="vertical"
```

```
    android:padding="15dp"
```

```
    app:layout_constraintDimensionRatio="M,1:1"
```

```
app:layout_constraintStart_toStartOf="parent"
```

```
app:layout_constraintTop_toTopOf="parent">
```

```
<ImageView
```

```
    android:layout_width="120dp"
```

```
    android:layout_height="120dp"
```

```
    android:layout_margin="8dp"
```

```
    android:contentDescription="@string/app_name"
```

```
    android:padding="8dp"
```

```
    android:src="@drawable/monday"/>
```

```
<TextView
```

```
    android:layout_width="wrap_content"
```

```
    android:layout_height="wrap_content"
```

```
    android:gravity="center"
```

```
    android:text="@string/monday"
```

```
    android:textColor="@color/black"
```

```
    android:textSize="20sp"
```

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

```
</LinearLayout>
```

```
<LinearLayout
```

```
    android:id="@+id/layoutTue"
```

```
    android:layout_width="0dp"
```

```
    android:layout_height="wrap_content"
```

```
    android:layout_marginTop="22dp"
```

```
    android:background="@drawable/white_rectangle_background"
```

```
android:gravity="center"
android:orientation="vertical"
android:padding="15dp"
app:layout_constraintDimensionRatio="M,1:1"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintTop_toTopOf="parent">
```

```
<ImageView
    android:layout_width="120dp"
    android:layout_height="120dp"
    android:layout_margin="8dp"
    android:contentDescription="@string/app_name"
    android:padding="8dp"
    android:src="@drawable/Tuesday"/>
```

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

```
</LinearLayout>
```

```
<LinearLayout
    android:id="@+id/layoutWed"
```

```
android:layout_width="0dp"
android:layout_height="wrap_content"
android:layout_marginTop="22dp"
android:background="@drawable/white_rectangle_background"
android:gravity="center"
android:orientation="vertical"
android:padding="15dp"
app:layout_constraintDimensionRatio="M,1:1"
app:layout_constraintEnd_toStartOf="@+id/layoutTue"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toBottomOf="@+id/layoutMon">
```

```
<ImageView
```

```
    android:layout_width="120dp"
    android:layout_height="120dp"
    android:layout_margin="8dp"
    android:contentDescription="@string/app_name"
    android:padding="8dp"
    android:src="@drawable/wednesday"/>
```

```
<TextView
```

```
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:gravity="center"
    android:text="@string/wednesday"
    android:textColor="@color/black"
    android:textSize="20sp"
```

```
        android:textStyle="bold"/>
</LinearLayout>

<LinearLayout
    android:id="@+id/layoutThu"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_marginTop="22dp"
    android:background="@drawable/white_rectangle_background"
    android:gravity="center"
    android:orientation="vertical"
    android:padding="15dp"
    app:layout_constraintDimensionRatio="M,1:1"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toEndOf="@id/layoutMon"
    app:layout_constraintTop_toBottomOf="@id/layoutTue">
```

```
<ImageView
    android:layout_width="120dp"
    android:layout_height="120dp"
    android:layout_margin="8dp"
    android:contentDescription="@string/app_name"
    android:padding="8dp"
    android:src="@drawable/thursday"/>
```

```
<TextView
```

```
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:gravity="center"
    android:text="@string/thusrday"
    android:textColor="@color/black"
    android:textSize="20sp"
    android:textStyle="bold"/>
```

```
</LinearLayout>
```

```
<androidx.constraintlayout.widget.ConstraintLayout
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_marginTop="22dp"
    android:background="@drawable/reminder_background"
    android:padding="20dp"
    app:layout_constraintEnd_toEndOf="@id/layoutThu"
    app:layout_constraintStart_toStartOf="@id/layoutMon"
    app:layout_constraintTop_toBottomOf="@id/layoutWed">
```

```
<TextView
    android:id="@+id/textTrending"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:background="@drawable/white_rectangle_background"
    android:paddingStart="8dp"
    android:paddingTop="2dp"
```

```
android:paddingEnd="8dp"
android:paddingBottom="2dp"
android:text="@string/alert"
android:textColor="@color/black"
android:textSize="18sp"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintTop_toTopOf="parent"/>
```

```
<ImageView
    android:layout_width="40dp"
    android:layout_height="40dp"
    android:contentDescription="@string/app_name"
    android:src="@drawable/ic_alert"
    app:layout_constraintBottom_toBottomOf="@id/textTrending"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="@id/textTrending"
    app:tint="@color/black" />
```

```
<TextView
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="20dp"
    android:ellipsize="end"
    android:maxLines="3"
    android:textSize="16sp"
    android:textStyle="bold"
```

```
android:text="@string/you_have_a_meeting_scheduled_at_3_20_pm_time_remaining_23_min"
```

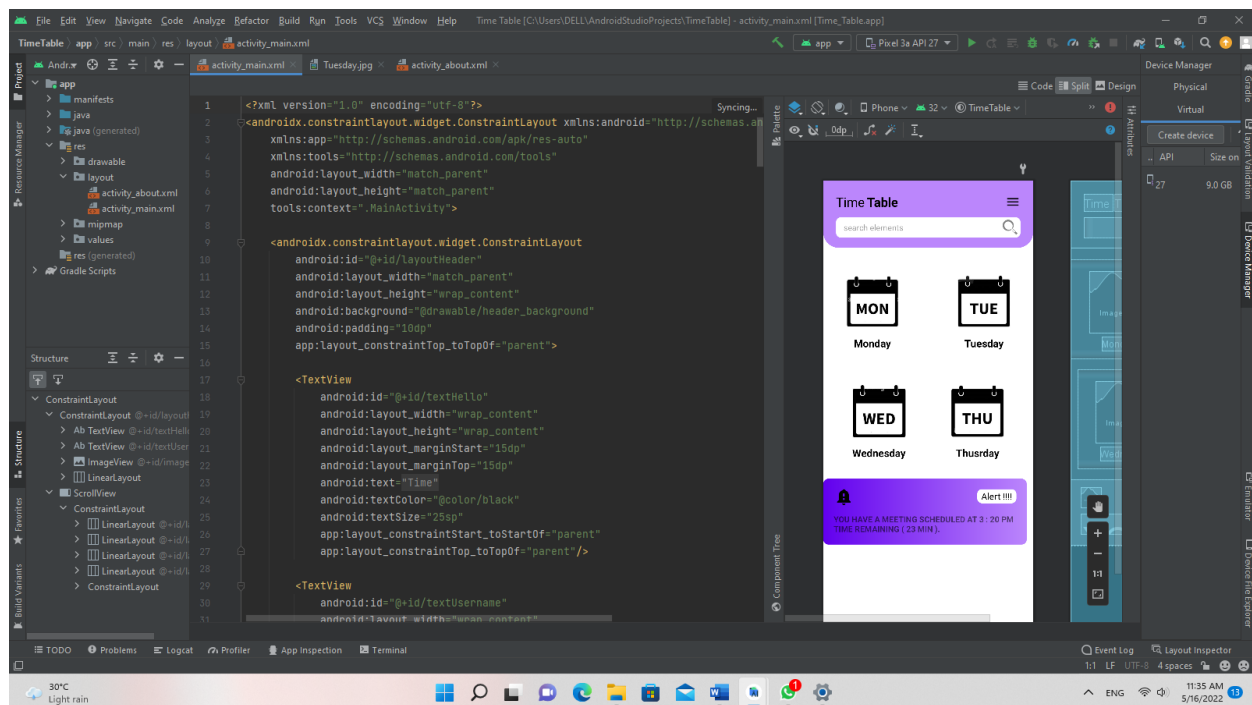
```
app:layout_constraintTop_toBottomOf="@id/textTrending"/>
```

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

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

```
</ScrollView>
```

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

Navigation Bar

[10:30, 16/05/2022] Uthum NSBM™: <?xml version="1.0" encoding="utf-8"?>

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"

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

xmlns:tools="http://schemas.android.com/tools"

android:layout_width="match_parent"

android:layout_height="match_parent"

tools:context=".MainActivity"

tools:ignore="ExtraText">

<com.google.android.material.bottomnavigation.BottomNavigationView

android:id="@+id/bottom_navigation"

```
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:layout_alignParentBottom="true"
android:background="@color/purple_200"
app:itemIconTint="#0B0A0A"
app:itemTextColor="#000000"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintBottom_toLeftOf="parent"
app:layout_constraintBottom_toRightOf="parent"
app:menu="@menu/menu" />
```

```
<LinearLayout
```

```
    android:layout_width="match_parent"
    android:layout_height="80dp"
    android:orientation="vertical"
    android:background="@color/purple_200"
    android:padding="5dp">
```

```
<TextView
```

```
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginLeft="65sp"
    android:fontFamily="sans-serif-black"
    android:text="Reminder"
    android:textColor="@color/black"
    android:textSize="34sp"
    android:layout_marginTop="9sp"
```

```
tools:ignore="HardcodedText,RtlHardcoded" />
```

```
</LinearLayout>
```

```
</RelativeLayout>
```

```
[10:31, 16/05/2022] Uthum NSBM™: activity_main.xml
```

Navigation View

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

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

```
    xmlns:tools="http://schemas.android.com/tools"
```

```
    tools:showIn="navigation_view">
```

```
    <item
```

```
        android:id="@+id/alarm"
```

```
        android:icon="@drawable/alarm"
```

```
        android:title="Alarm Settings"/>
```

```
    <item
```

android:id="@+id/account"

android:icon="@drawable/account"

android:title="Edit Profile"/>

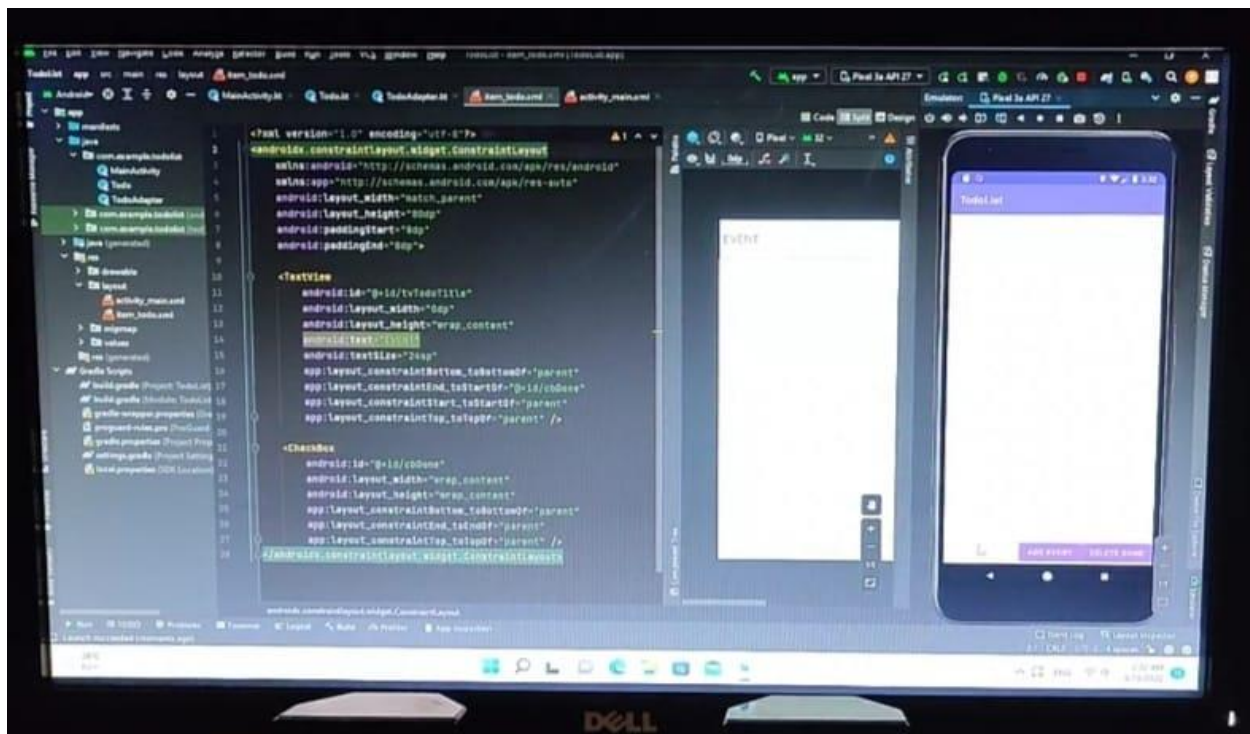
<item

android:id="@+id/add_account"

android:icon="@drawable/add_account"

android:title="Add account"/>

</menu>



Event Page

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

<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <androidx.recyclerview.widget.RecyclerView
        android:id="@+id/rvEventItems"
        android:layout_width="match_parent"
        android:layout_height="0dp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <EditText
        android:id="@+id/etEventTitle"
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:hint="Enter Event"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toStartOf="@+id/btnAddTodo"
        app:layout_constraintStart_toStartOf="parent" />
```

```
<Button
```

```
    android:id="@+id/btnAddEvent"
```

```
    android:layout_width="wrap_content"
```

```
    android:layout_height="wrap_content"
```

```
    android:text="Add Event"
```

```
    app:layout_constraintBottom_toBottomOf="parent"
```

```
    app:layout_constraintEnd_toStartOf="@+id/btnDeleteDoneTodo" />
```

```
<Button
```

```
    android:id="@+id/btnDeleteDoneEvent"
```

```
    android:layout_width="wrap_content"
```

```
    android:layout_height="wrap_content"
```

```
    android:text="Delete Done"
```

```
    app:layout_constraintBottom_toBottomOf="parent"
```

```
    app:layout_constraintEnd_toEndOf="parent" />
```

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

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

```
<androidx.constraintlayout.widget.ConstraintLayout
```

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

```
    xmlns:app="http://schemas.android.com/apk/res-auto"
```

```
    android:layout_width="match_parent"
```

```
    android:layout_height="80dp"
```

```
    android:paddingStart="8dp"
```

```
    android:paddingEnd="8dp">
```

```
<TextView
    android:id="@+id/tvEventTitle"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:text="EVENT"
    android:textSize="24sp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toStartOf="@+id/cbDone"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />

<CheckBox
    android:id="@+id/cbDone"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintTop_toTopOf="parent" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

Reminder Page

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

```
<androidx.recyclerview.widget.RecyclerView
    android:id="@+id/rvReminderItems"
    android:layout_width="match_parent"
    android:layout_height="0dp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />
```

```
<EditText
    android:id="@+id/etReminderTitle"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:hint="Enter Event"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toStartOf="@+id/btnAddTodo"
    app:layout_constraintStart_toStartOf="parent" />
```


<Button

android:id="@+id/btnAddReminder"

android:layout_width="wrap_content"

android:layout_height="wrap_content"

android:text="Add Event"

app:layout_constraintBottom_toBottomOf="parent"

app:layout_constraintEnd_toStartOf="@+id/btnDeleteDoneTodo" />

<Button

android:id="@+id/btnDeleteDoneReminder"

android:layout_width="wrap_content"

android:layout_height="wrap_content"

android:text="Delete Done"

app:layout_constraintBottom_toBottomOf="parent"

app:layout_constraintEnd_toEndOf="parent" />

</androidx.constraintlayout.widget.ConstraintLayout>

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

<androidx.constraintlayout.widget.ConstraintLayout

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

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

android:layout_width="match_parent"

android:layout_height="80dp"

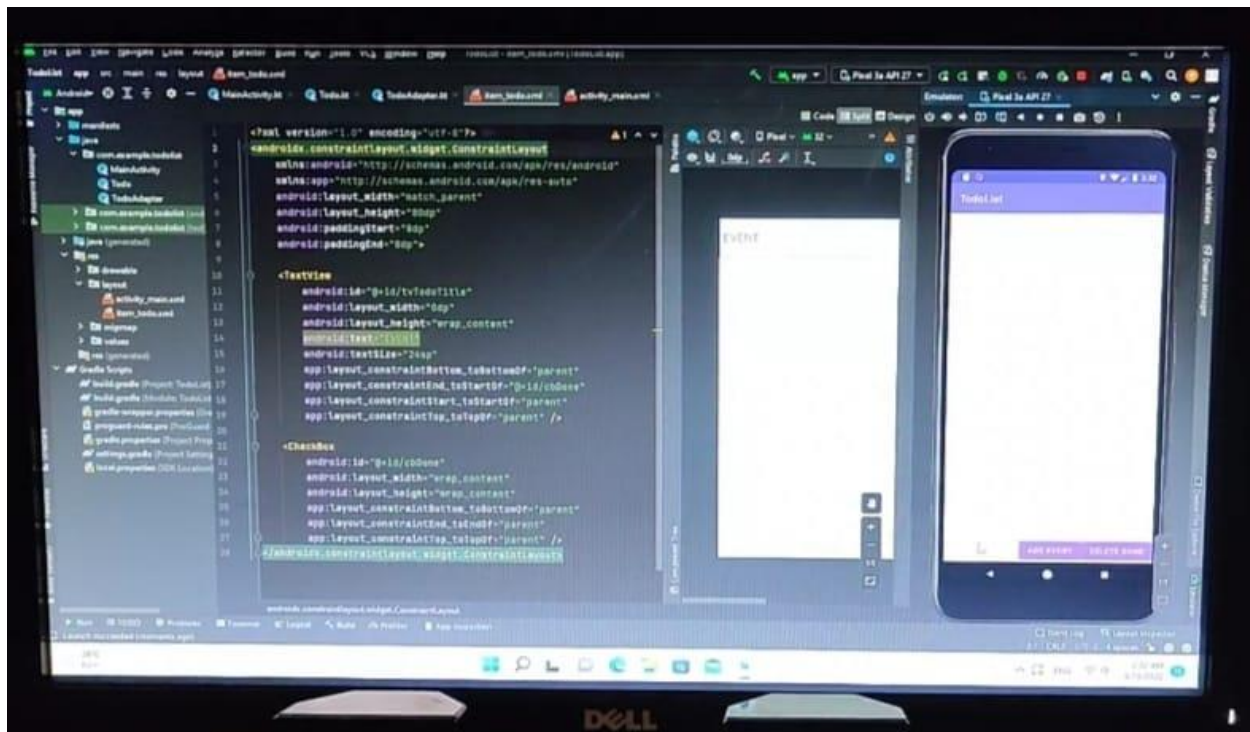
android:paddingStart="8dp"

android:paddingEnd="8dp">

```
<TextView
    android:id="@+id/tvReminderTitle"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:text="Reminder"
    android:textSize="24sp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toStartOf="@+id/cbDone"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />
```

```
<CheckBox
    android:id="@+id/cbDone"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintTop_toTopOf="parent" />
```

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



About-Us page

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

```
<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
```

```
xmlns:app="http://schemas.android.com/apk/res-auto"
```

```
xmlns:tools="http://schemas.android.com/tools"
```

```
android:layout_width="match_parent"
```

```
android:layout_height="match_parent"
```

```
tools:context=".MainActivity">
```

```
<ImageView
    android:id="@+id/imageView6"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    app:layout_constraintEnd_toEndOf="parent"
    app:srcCompat="@tools:sample/avatars"
    tools:layout_editor_absoluteY="422dp" />
```

```
<Button
    android:id="@+id/button"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Profile"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent" />
```

```
<Button
    android:id="@+id/button2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Reminder"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toStartOf="@+id/button"
    app:layout_constraintStart_toEndOf="@+id/button3" />
```

```
<Button
    android:id="@+id/button3"
```

```
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="Events"
app:layout_constraintBottom_toBottomOf="parent"
tools:layout_editor_absoluteX="98dp" />
```

<Button

```
android:id="@+id/button4"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="Home"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toStartOf="@+id/button3"
app:layout_constraintHorizontal_bias="0.09"
app:layout_constraintStart_toStartOf="parent" />
```

<TextView

```
android:id="@+id/textView"
android:layout_width="129dp"
android:layout_height="33dp"
android:text="Time Table "
android:textSize="20sp"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.472"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent" />
```

```
<ImageView
    android:id="@+id/imageView"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    app:layout_constraintStart_toStartOf="parent"
    tools:layout_editor_absoluteY="58dp"
    tools:srcCompat="@tools:sample/avatars" />
```

```
<ImageView
    android:id="@+id/imageView2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    app:layout_constraintBottom_toTopOf="@+id/imageView4"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    tools:srcCompat="@tools:sample/avatars" />
```

```
<ImageView
    android:id="@+id/imageView3"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="4dp"
    android:layout_marginTop="36dp"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView2"
    tools:srcCompat="@tools:sample/avatars" />
```

```
<ImageView  
    android:id="@+id/imageView4"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    app:layout_constraintEnd_toEndOf="parent"  
    tools:layout_editor_absoluteY="242dp"  
    tools:srcCompat="@tools:sample/avatars" />
```

```
<ImageView  
    android:id="@+id/imageView5"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_marginStart="4dp"  
    app:layout_constraintStart_toStartOf="parent"  
    tools:layout_editor_absoluteY="422dp"  
    tools:srcCompat="@tools:sample/avatars" />
```

```
<TextView  
    android:id="@+id/textView2"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_marginStart="4dp"  
    android:text="TextView"  
    app:layout_constraintStart_toStartOf="parent"  
    tools:layout_editor_absoluteY="185dp" />
```

```
<TextView
```

```
android:id="@+id/textView3"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="TextView"
app:layout_constraintEnd_toEndOf="parent"
tools:layout_editor_absoluteY="186dp" />
```

<TextView

```
android:id="@+id/textView4"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="TextView"
app:layout_constraintStart_toStartOf="parent"
tools:layout_editor_absoluteY="374dp" />
```

<TextView

```
android:id="@+id/textView5"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="TextView"
app:layout_constraintEnd_toEndOf="parent"
tools:layout_editor_absoluteY="374dp" />
```

<TextView

```
android:id="@+id/textView6"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
```



```
android:text="TextView"

app:layout_constraintStart_toStartOf="parent"

tools:layout_editor_absoluteY="550dp" />
```

<TextView

```
android:id="@+id/textView7"

android:layout_width="wrap_content"

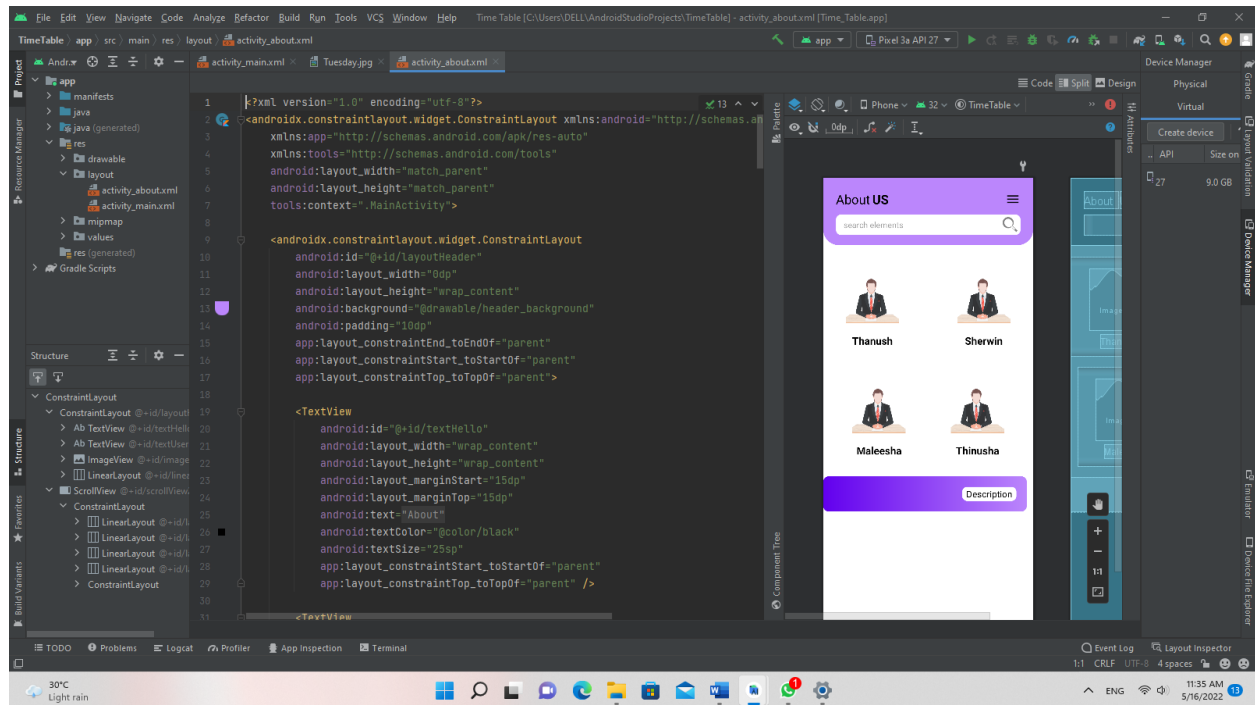
android:layout_height="wrap_content"

android:text="TextView"

app:layout_constraintEnd_toEndOf="parent"

tools:layout_editor_absoluteY="548dp" />
```

</androidx.constraintlayout.widget.ConstraintLayout>



Profile

[10:36, 16/05/2022] Uthum NSBM™: <?xml version="1.0" encoding="utf-8"?>

```
<androidx.drawerlayout.widget.DrawerLayout
xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:id="@+id/drawerLayout"
    tools:context=".user" >
```

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

```
<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Activity 1"
    android:textSize="26sp"
    android:textColor="@color/black"
    app:layo...
```

[10:36, 16/05/2022] Uthum NSBM™: <?xml version="1.0" encoding="utf-8"?>

```
<LinearLayout
```

```
xmlns:android="http://schemas.android.com/apk/res/android"
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:orientation="vertical"
android:layout_marginTop="16dp"
android:background="@color/white">
```

```
<de.hdodenhof.circleimageview.CircleImageView
    android:layout_width="60dp"
    android:layout_height="60dp"
    android:src="@drawable/profile"/>
```

```
<TextView
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:id="@+id/user_name"
    android:paddingTop="8dp"
    android:textSize="20dp"
    android:text="Name"
    android:textColor="@color/black"
    android:te...
```

[10:36, 16/05/2022] Uthum NSBM™: <?xml version="1.0" encoding="utf-8"?>

Profile View

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

```
    xmlns:tools="http://schemas.android.com/tools"
```

```
    tools:showIn="navigation_view">
```

```
    <item
```

```
        android:id="@+id/alarm"
```

```
        android:icon="@drawable/alarm"
```

```
        android:title="Alarm Settings"/>
```

```
    <item
```

```
        android:id="@+id/account"
```

```
        android:icon="@drawable/account"
```

```
        android:title="Edit Profile"/>
```

```
    <item
```

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

```
        android:icon="@drawable/add_account"
```

```
        android:title="Add account"/>
```

```
</menu>
```

```
[10:37, 16/05/2022] Uthum NSBM™: <?xml version="1.0" encoding="utf-8"?>
```

```
<resources>
```

```
    <color name="purple_200">#FFBB86FC</color>
```

```
<color name="purple_500">#FF6200EE</color>
<color name="purple_700">#FF3700B3</color>
<color name="teal_200">#FF03DAC5</color>
<color name="teal_700">#FF018786</color>
<color name="black">#FF000000</color>
<color name="white">#FFFFFFFF</color>
<color name="underline">#BDB8B8</color>
</resources>
```

Connections (adapter)

```
package com.example.todolist

import android.graphics.Paint.STRIKE_THRU_TEXT_FLAG
import android.icu.text.CaseMap
import android.service.quicksettings.Tile
import android.view.LayoutInflater
import android.view.View
import android.view.ViewGroup
import android.widget.TextView
import androidx.recyclerview.widget.RecyclerView
import kotlinx.android.synthetic.main.item_todo.view.*

class TodoAdapter (
```

```

private val todos: MutableList<Todo>

) : RecyclerView.Adapter<TodoAdapter.TODOViewHolder>() {

class TODOViewHolder(itemView: View) : RecyclerView.ViewHolder(itemView)

override fun onCreateViewHolder(parent: ViewGroup, viewType: Int): TODOViewHolder {
    return TODOViewHolder(
        LayoutInflater.from(parent.context).inflate(
            R.layout.item_todo,
            parent,
            false
        )
    )
}

fun addTodo(todo: Todo){
    todos.add(todo)
    notifyItemInserted(todos.size - 1)
}

fun deleteDoneTodos() {
    todos.removeAll { todo ->
        todo.isChecked
    }
    notifyDataSetChanged()
}

private fun toggleStrikeThrough(tvTodoTitle: TextView, isChecked: Boolean) {

```

```

        if(isChecked) {
            tvTodoTitle.paintFlags = tvTodoTitle.paintFlags or STRIKE_THRU_TEXT_FLAG
        } else {
            tvTodoTitle.paintFlags = tvTodoTitle.paintFlags and STRIKE_THRU_TEXT_FLAG.inv()

        }
    }

    override fun onBindViewHolder(holder: TodoViewHolder, position: Int) {
        val curTodo = todos[position]

        holder.itemView.apply {
            tvTodoTitle.text = curTodo.title

            cbDone.isChecked = curTodo.isChecked

            toggleStrikeThrough(tvTodoTitle, curTodo.isChecked)

            cbDone.setOnCheckedChangeListener() { _, isChecked ->
                toggleStrikeThrough(tvTodoTitle, isChecked)

                curTodo.isChecked = !curTodo.isChecked
            }
        }
    }
}

    override fun getItemCount(): Int {
        return todos.size
    }
}

```

Verification (validations)

```
package com.example.todolist
```

```
data class Todo (  
    val title: String,  
    var isChecked: Boolean = false  
)
```

Event Page (todo.xml)

```
<?xml version="1.0" encoding="utf-8"?>  
  
<androidx.constraintlayout.widget.ConstraintLayout  
    xmlns:android="http://schemas.android.com/apk/res/android"  
    xmlns:app="http://schemas.android.com/apk/res-auto"  
    android:layout_width="match_parent"  
    android:layout_height="80dp"  
    android:paddingStart="8dp"  
    android:paddingEnd="8dp">  
  
    <TextView  
        android:id="@+id/tvTodoTitle"  
        android:layout_width="0dp"
```



```
android:layout_height="wrap_content"
android:text="EVENT"
android:textSize="24sp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toStartOf="@+id/cbDone"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent" />
```

<CheckBox

```
android:id="@+id/cbDone"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintTop_toTopOf="parent" />
```

</androidx.constraintlayout.widget.ConstraintLayout>

Main Activity

```
package com.example.todolist

import androidx.appcompat.app.AppCompatActivity
import android.os.Bundle
import androidx.recyclerview.widget.LinearLayoutManager
import kotlinx.android.synthetic.main.activity_main.*

class MainActivity : AppCompatActivity() {

    private lateinit var todoAdapter: TodoAdapter

    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main)
        todoAdapter = TodoAdapter(mutableListOf())

        rvTodoItems.adapter = todoAdapter
        rvTodoItems.layoutManager = LinearLayoutManager(this)

        btnAddTodo.setOnClickListener {
            val todoTitle = etTodoTitle.text.toString()
            if(todoTitle.isNotEmpty()) {
                val todo = Todo(todoTitle)
            }
        }
    }
}
```

```

        todoAdapter.addTo(todo)
        etTodoTitle.text.clear()
    }
}
btnDeleteDoneTodo.setOnClickListener {
    todoAdapter.deleteDoneTodos()
}
}
}

```

Activity main.xml

```

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

    <androidx.recyclerview.widget.RecyclerView
        android:id="@+id/rvTodoItems"
        android:layout_width="match_parent"

```

```
android:layout_height="0dp"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent" />
```

<EditText

```
android:id="@+id/etTodoTitle"
android:layout_width="0dp"
android:layout_height="wrap_content"
android:hint="Enter Event"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toStartOf="@+id/btnAddTodo"
app:layout_constraintStart_toStartOf="parent" />
```

<Button

```
android:id="@+id/btnAddTodo"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="Add Event"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toStartOf="@+id/btnDeleteDoneTodo" />
```

<Button

```
android:id="@+id/btnDeleteDoneTodo"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="Delete Done"
```

```
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

Background Color and shape

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

    <solid android:color="@color/purple_200"/>

    <corners
        android:topLeftRadius="0dp"
        android:topRightRadius="0dp"/>
</shape>
```

