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## **MainActivity**

```
package com.example.travelguide
```

```
import android.content.Intent
import android.os.Bundle
import android.view.Menu
import android.view.MenuItem
import androidx.appcompat.app.AlertDialog
import androidx.appcompat.app.AppCompatActivity
import androidx.recyclerview.widget.LinearLayoutManager
import androidx.recyclerview.widget.RecyclerView
```

```
class MainActivity : AppCompatActivity() {
```

```
    private val attractions = listOf(
        Attraction(
            "Eiffel Tower",
            "The Eiffel Tower is a wrought-iron lattice tower on the Champ de Mars in Paris, France.",
            R.drawable.eiffel_tower,
            "The Eiffel Tower was constructed from 1887 to 1889 as the entrance arch for the 1889 World's Fair.",
            "Open daily from 9:30 AM to 11:45 PM. Tickets start at €10.50.",
            "https://www.google.com/maps?q=Eiffel+Tower"
        ),
        Attraction(
            "Great Wall of China",
            "The Great Wall of China is a series of fortifications that were built across the historical northern borders of China.",
            R.drawable.great_wall_of_china,
            "The Great Wall was built from the 7th century BC through the 16th century to protect against invasions.",
            "Open daily from 7:30 AM to 5:30 PM. Tickets start at ¥40.",
            "https://www.google.com/maps?q=Great+Wall+of+China"
        ),
        Attraction(
            "Taj Mahal",
            "The Taj Mahal is an ivory-white marble mausoleum on the southern bank of the river Yamuna in the Indian city of Agra.",
            R.drawable.taj_mahal,
            "The Taj Mahal was commissioned by Mughal emperor Shah Jahan in 1632 to house the tomb of his favorite wife, Mumtaz Mahal.",
```

```

        "Open daily from sunrise to sunset, except Fridays. Tickets start at ₹50.",
        "https://www.google.com/maps?q=Taj+Mahal"
    ),
    Attraction(
        "Statue of Liberty",
        "The Statue of Liberty is a colossal neoclassical sculpture on Liberty Island in New York Harbor in New York City, in the United States.",
        R.drawable.statue_of_liberty,
        "The Statue of Liberty was a gift from the people of France to the United States, dedicated on October 28, 1886.",
        "Open daily from 8:30 AM to 4:00 PM. Tickets start at $18.50.",
        "https://www.google.com/maps?q=Statue+of+Liberty"
    )
)
)

```

```

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

    val recyclerView: RecyclerView = findViewById(R.id.recyclerView)
    recyclerView.layoutManager = LinearLayoutManager(this)
    recyclerView.adapter = AttractionAdapter(attractions) { attraction ->
        val intent = Intent(this, DetailActivity::class.java).apply {
            putExtra("name", attraction.name)
            putExtra("description", attraction.description)
            putExtra("imageResId", attraction.imageResId)
            putExtra("history", attraction.history)
            putExtra("visitorInfo", attraction.visitorInfo)
            putExtra("mapLocationUrl", attraction.mapLocationUrl)
        }
        startActivity(intent)
    }
}

```

```

override fun onCreateOptionsMenu(menu: Menu?): Boolean {
    menuInflater.inflate(R.menu.menu_main, menu)
    return true
}

```

```

override fun onOptionsItemSelected(item: MenuItem): Boolean {
    return when (item.itemId) {
        R.id.action_settings -> {
            val intent = Intent(this, SettingsActivity::class.java)
            startActivity(intent)
            true
        }
    }
}

```

```

        R.id.action_about -> {
            showAboutDialog()
            true
        }
        else -> super.onOptionsItemSelected(item)
    }
}

private fun showAboutDialog() {
    val builder = AlertDialog.Builder(this)
    builder.setTitle("About")
    builder.setMessage("Travel Guide App\nVersion 1.0\nDeveloped by Your Name")
    builder.setPositiveButton("OK") { dialog, _ -> dialog.dismiss() }
    builder.show()
}
}

```

## Activity\_main

```

<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">

    <TextView
        android:id="@+id/title"
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:text="Travel Guide"
        android:textSize="24sp"
        android:textStyle="bold"
        android:layout_marginTop="20dp"
        android:layout_marginStart="16dp"
        android:layout_marginEnd="16dp"
        android:textColor="@color/primaryTextColor"
        android:gravity="center"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintEnd_toEndOf="parent" />

```

```
<androidx.recyclerview.widget.RecyclerView
    android:id="@+id/recyclerView"
    android:layout_width="0dp"
    android:layout_height="0dp"
    android:layout_marginTop="16dp"
    android:padding="16dp"
    app:layout_constraintTop_toBottomOf="@id/title"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintBottom_toBottomOf="parent" />

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