

```

import android.content.Intent
import android.os.Bundle
import android.widget.Button
import android.widget.EditText
import android.widget.Toast
import androidx.appcompat.app.AppCompatActivity
import androidx.appcompat.widget.Toolbar
import com.example.travelplanner.R

class BookingActivity : AppCompatActivity() {

    private lateinit var fromEditText: EditText
    private lateinit var toEditText: EditText
    private lateinit var dateEditText: EditText
    private lateinit var searchButton: Button

    companion object {
        val punkPink = 0xFF6392F0.toInt() // Equivalent to Color.fromARGB(255,
99, 146, 240)
    }

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

        // Initialize views
        fromEditText = findViewById(R.id.fromEditText)
        toEditText = findViewById(R.id.toEditText)
        dateEditText = findViewById(R.id.dateEditText)
        searchButton = findViewById(R.id.searchButton)

        // Set up toolbar
        val toolbar = findViewById<Toolbar>(R.id.toolbar)
        setSupportActionBar(toolbar)
        supportActionBar?.title = "Book Your Flight"
        toolbar.setBackgroundColor(punkPink)

        // Set up search button
        searchButton.setBackgroundColor(punkPink)
        searchButton.setOnClickListener {
            val from = fromEditText.text.toString()
            val to = toEditText.text.toString()
            val date = dateEditText.text.toString()

            if (from.isEmpty() || to.isEmpty() || date.isEmpty()) {
                Toast.makeText(this, "Please fill all fields",
Toast.LENGTH_SHORT).show()
                return@setOnClickListener
            }
        }
    }

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        // Navigate to ListOfFlightsActivity
        val intent = Intent(this, ListOfFlightsActivity::class.java)
        startActivity(intent)
    }
}

import android.content.Intent
import android.os.Bundle
import android.widget.Button
import android.widget.EditText
import android.widget.Toast
import androidx.appcompat.app.AppCompatActivity
import androidx.appcompat.widget.Toolbar
import com.example.travelplanner.R

class BookingActivity : AppCompatActivity() {

    private lateinit var fromEditText: EditText
    private lateinit var toEditText: EditText
    private lateinit var dateEditText: EditText
    private lateinit var searchButton: Button

    companion object {
        val punkPink = 0xFF6392F0.toInt() // Equivalent to Color.fromARGB(255,
99, 146, 240)
    }

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

        // Initialize views
        fromEditText = findViewById(R.id.fromEditText)
        toEditText = findViewById(R.id.toEditText)
        dateEditText = findViewById(R.id.dateEditText)
        searchButton = findViewById(R.id.searchButton)

        // Set up toolbar
        val toolbar = findViewById<Toolbar>(R.id.toolbar)
        setSupportActionBar(toolbar)
        supportActionBar?.title = "Book Your Flight"
        toolbar.setBackgroundColor(punkPink)

        // Set up search button
        searchButton.setBackgroundColor(punkPink)
        searchButton.setOnClickListener {
            val from = fromEditText.text.toString()
            val to = toEditText.text.toString()

```

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        val date = dateEditText.text.toString()

        if (from.isEmpty() || to.isEmpty() || date.isEmpty()) {
            Toast.makeText(this, "Please fill all fields",
                Toast.LENGTH_SHORT).show()
            return@setOnClickListener
        }

        // Navigate to ListOfFlightsActivity
        val intent = Intent(this, ListOfFlightsActivity::class.java)
        startActivity(intent)
    }
}

package com.example.travelplanner

import android.os.Bundle
import android.widget.Button
import android.widget.EditText
import androidx.appcompat.app.AppCompatActivity
import android.widget.ImageView

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

        val edtBudget = findViewById<EditText>(R.id.edtBudget)
        val btnSaveBudget = findViewById<Button>(R.id.btnSaveBudget)
        val imgBudget = findViewById<ImageView>(R.id.imgBudget)

        imgBudget.setImageResource(R.drawable.tokyo)

        btnSaveBudget.setOnClickListener {
            // Save budget logic
        }
    }
}

package com.example.travelplanner

import android.view.ViewGroup
import android.widget.ImageView
import androidx.recyclerview.widget.RecyclerView

class CarouselAdapter(private val images: List<Int>) :
    RecyclerView.Adapter<CarouselAdapter.CarouselViewHolder>() {

    inner class CarouselViewHolder(val imageView: ImageView) :
        RecyclerView.ViewHolder(imageView)

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        override fun onCreateViewHolder(parent: ViewGroup, viewType: Int):
CarouselViewHolder {
            val imageView = ImageView(parent.context)
            imageView.layoutParams = ViewGroup.LayoutParams(
                ViewGroup.LayoutParams.MATCH_PARENT,
                ViewGroup.LayoutParams.MATCH_PARENT
            )
            imageView.scaleType = ImageView.ScaleType.CENTER_CROP
            return CarouselViewHolder(imageView)
        }

        override fun onBindViewHolder(holder: CarouselViewHolder, position: Int) {
            holder.imageView.setImageResource(images[position])
        }

        override fun getItemCount(): Int = images.size
    }
}

package com.example.travelplanner

import android.view.LayoutInflater
import android.view.View
import android.view.ViewGroup
import android.widget.LinearLayout
import android.widget.TextView
import androidx.recyclerview.widget.RecyclerView

class DestinationAdapter(private val destinations: List<String>) :
    RecyclerView.Adapter<DestinationAdapter.DestinationViewHolder>() {

    inner class DestinationViewHolder(itemView: View) :
RecyclerView.ViewHolder(itemView) {
        val txtDestination: TextView =
itemView.findViewById(R.id.txtDestination)
        val layoutDestination: LinearLayout =
itemView.findViewById(R.id.layoutDestination)
    }

    override fun onCreateViewHolder(parent: ViewGroup, viewType: Int):
DestinationViewHolder {
        val view = LayoutInflater.from(parent.context)
            .inflate(R.layout.item_destination, parent, false)
        return DestinationViewHolder(view)
    }

    override fun onBindViewHolder(holder: DestinationViewHolder, position: Int)
    {
        val destinationName = destinations[position]
    }
}

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        holder.txtDestination.text = destinationName

        // Set background dynamically
        val context = holder.itemView.context
        val imageName = destinationName.lowercase().replace(" ", "") // e.g.,
New York -> newyork
        val backgroundResId = context.resources.getIdentifier(imageName,
"drawable", context.packageName)

        if (backgroundResId != 0) {
            holder.layoutDestination.setBackgroundResource(backgroundResId)
        } else {
            holder.layoutDestination.setBackgroundResource(R.drawable.tokyo) //
fallback background
        }
    }

    override fun getItemCount(): Int = destinations.size
}

package com.example.travelplanner

import BookingActivity
import android.content.Intent
import android.os.Bundle
import android.widget.Button
import androidx.appcompat.app.AppCompatActivity
import android.widget.ImageView
import android.widget.LinearLayout
import android.widget.Toast
import androidx.recyclerview.widget.LinearLayoutManager
import androidx.recyclerview.widget.RecyclerView
import androidx.viewpager2.widget.ViewPager2

class HomePage : AppCompatActivity() {

    private lateinit var imageCarousel: ViewPager2
    private lateinit var suggestionList: RecyclerView
    private lateinit var profileIcon: ImageView
    private lateinit var settingsIcon: ImageView
    private lateinit var navIcon: ImageView

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

        // Toolbar icons
        profileIcon = findViewById(R.id.profileIcon)
        settingsIcon = findViewById(R.id.settingsIcon)
        navIcon = findViewById(R.id.navIcon)

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profileIcon.setOnClickListener {
    Toast.makeText(this, "Profile clicked", Toast.LENGTH_SHORT).show()
    // startActivity(Intent(this, ProfileActivity::class.java))
}

settingsIcon.setOnClickListener {
    Toast.makeText(this, "Settings clicked", Toast.LENGTH_SHORT).show()
    // startActivity(Intent(this, SettingsActivity::class.java))
}

navIcon.setOnClickListener {
    Toast.makeText(this, "Navigation clicked",
Toast.LENGTH_SHORT).show()
    // Handle navigation drawer logic
}

// Setup carousel
imageCarousel = findViewById(R.id.imageCarousel)
val carouselImages = listOf(
    R.drawable.sydney, R.drawable.tokyo, R.drawable.sydney
)
val carouselAdapter = CarouselAdapter(carouselImages)
imageCarousel.adapter = carouselAdapter

// Setup suggested destinations list
suggestionList = findViewById(R.id.rvSuggestions)
val destinationAdapter = DestinationAdapter(
    listOf("Bali", "New York", "Maldives", "Iceland")
)
suggestionList.layoutManager = LinearLayoutManager(this,
LinearLayoutManager.HORIZONTAL, false)
suggestionList.adapter = destinationAdapter

// Setup feature buttons
findViewById<LinearLayout>(R.id.btnPlanTrip).setOnClickListener {
    //Toast.makeText(this, "Plan Your Trip clicked",
Toast.LENGTH_SHORT).show()
    val intent = Intent(this, PlanTripActivity::class.java)
    startActivity(intent)
    // startActivity(Intent(this, PlanTripActivity::class.java))
}

findViewById<LinearLayout>(R.id.btnBookFlight).setOnClickListener {
    //Toast.makeText(this, "Book Flight clicked",
Toast.LENGTH_SHORT).show()
    val intent = Intent(this, BookingActivity::class.java)
    startActivity(intent)
    // startActivity(Intent(this, BookFlightActivity::class.java))
}

```

```

    }

    findViewById<LinearLayout>(R.id.btnViewDestinations).setOnClickListener {
        Toast.makeText(this, "View Destinations clicked",
            Toast.LENGTH_SHORT).show()
        // startActivity(Intent(this, DestinationsActivity::class.java))
    }

    findViewById<LinearLayout>(R.id.btnBudgetTracker).setOnClickListener {
        Toast.makeText(this, "Budget Tracker clicked",
            Toast.LENGTH_SHORT).show()
        // startActivity(Intent(this, BudgetActivity::class.java))
    }

    findViewById<LinearLayout>(R.id.btnRecommendations).setOnClickListener {
        Toast.makeText(this, "Recommendations clicked",
            Toast.LENGTH_SHORT).show()
        // startActivity(Intent(this, RecommendationsActivity::class.java))
    }
}
}

package com.example.travelplanner

import android.os.Bundle
import androidx.appcompat.app.AppCompatActivity
import android.widget.ImageView

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

        val imgItinerary = findViewById<ImageView>(R.id.imgItinerary)
        imgItinerary.setImageResource(R.drawable.tokyo)
    }
}

import android.os.Bundle
import android.widget.ArrayAdapter
import android.widget.ListView
import android.widget.Toast
import androidx.appcompat.app.AppCompatActivity
import androidx.appcompat.widget.Toolbar
import com.example.travelplanner.R

class ListOfFlightsActivity : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)

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setContentView(R.layout.activity_list_of_flights)

// Set up toolbar
val toolbar = findViewById<Toolbar>(R.id.toolbar)
setSupportActionBar(toolbar)
supportActionBar?.title = "Available Flights"
//toolbar.setBackgroundColor(resources.getColor(R.color.primary_blue))
supportActionBar?.setDisplayHomeAsUpEnabled(true)

// Sample flight data - in a real app, this would come from an API
val flights = listOf(
    "New York (JFK) to London (LHR) - 10:00 AM - \$499",
    "New York (JFK) to London (LHR) - 2:30 PM - \$429",
    "New York (JFK) to London (LHR) - 6:45 PM - \$599",
    "New York (JFK) to London (LHR) - 9:15 PM - \$389"
)

// Set up ListView with flight data
val listView = findViewById<ListView>(R.id.flightsListView)
listView.adapter = ArrayAdapter(
    this,
    android.R.layout.simple_list_item_1,
    flights
)

// Handle flight selection
listView.setOnItemClickListener { _, _, position, _ ->
    Toast.makeText(
        this,
        "Flight selected: ${flights[position]}",
        Toast.LENGTH_SHORT
    ).show()
    // Here you would typically proceed to booking confirmation
}
}

override fun onSupportNavigateUp(): Boolean {
    onBackPressed()
    return true
}
}

package com.example.travelplanner

import android.content.Intent
import android.os.Bundle
import android.widget.Button
import android.widget.EditText
import android.widget.Toast
import androidx.appcompat.app.AppCompatActivity

```



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import com.airbnb.lottie.LottieAnimationView

class LoginActivity : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_login)
        val btnLogin = findViewById<Button>(R.id.btnLogin)
        val edtUsername = findViewById<EditText>(R.id.edtUsername)
        val edtPassword = findViewById<EditText>(R.id.edtPassword)
        val animationView =
            findViewById<LottieAnimationView>(R.id.lottieAnimation)

        animationView.setAnimation(R.raw.splash_animation)
        animationView.playAnimation()
        btnLogin.setOnClickListener {
            if (edtUsername.text.isNotEmpty() && edtPassword.text.isNotEmpty())
            {
                startActivity(Intent(this, HomePage::class.java))
            } else {
                Toast.makeText(this, "Please enter valid credentials",
                    Toast.LENGTH_SHORT).show()
            }
        }
    }
}

package com.example.travelplanner

import android.content.Context
import android.util.AttributeSet
import android.view.View
import android.widget.ImageView
import android.widget.Toast

class LottieAnimationView @JvmOverloads constructor(
    context: Context, attrs: AttributeSet? = null
) : androidx.appcompat.widget.AppCompatImageView(context, attrs) {

    private var animationResId: Int = -1

    fun setAnimation(animationRes: Int) {
        animationResId = animationRes
        // Optional: simulate setting animation by showing an image
        setImageResource(animationRes)
    }

    fun playAnimation() {
        // Simulate animation playing
        Toast.makeText(context, "Playing animation (simulated)",
            Toast.LENGTH_SHORT).show()
    }
}

```

```

    }
}
/*package com.example.travelplanner

import android.os.Bundle
import androidx.activity.ComponentActivity
import androidx.activity.compose.setContent
import androidx.activity.enableEdgeToEdge
import androidx.compose.foundation.layout.fillMaxSize
import androidx.compose.foundation.layout.padding
import androidx.compose.material3.Scaffold
import androidx.compose.material3.Text
import androidx.compose.runtime.Composable
import androidx.compose.ui.Modifier
import androidx.compose.ui.tooling.preview.Preview
import com.example.travelplanner.ui.theme.TravelPlannerTheme

class MainActivity : ComponentActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        enableEdgeToEdge()
        setContent {
            TravelPlannerTheme {
                Scaffold(modifier = Modifier.fillMaxSize()) { innerPadding ->
                    Greeting(
                        name = "Android",
                        modifier = Modifier.padding(innerPadding)
                    )
                }
            }
        }
    }
}

@Composable
fun Greeting(name: String, modifier: Modifier = Modifier) {
    Text(
        text = "Hello $name!",
        modifier = modifier
    )
}

@Preview(showBackground = true)
@Composable
fun GreetingPreview() {
    TravelPlannerTheme {
        Greeting("Android")
    }
}

```

```

*/
package com.example.travelplanner

import android.content.Intent
import android.os.Bundle
import androidx.appcompat.app.AppCompatActivity

class MainActivity : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)

        // Directly navigate to the Splash screen
        startActivity(Intent(this, SplashScreen::class.java))
        finish() // Prevents returning to this activity on back press
    }
}

package com.example.travelplanner

import android.view.LayoutInflater
import android.view.View
import android.view.ViewGroup
import android.widget.TextView
import androidx.recyclerview.widget.RecyclerView

class OptionsAdapter(private val options: List<String>) :
    RecyclerView.Adapter<OptionsAdapter.OptionViewHolder>() {

    class OptionViewHolder(view: View) : RecyclerView.ViewHolder(view) {
        val optionText: TextView = view.findViewById(R.id.tvOption)
    }

    override fun onCreateViewHolder(parent: ViewGroup, viewType: Int):
    OptionViewHolder {
        val view =
        LayoutInflater.from(parent.context).inflate(R.layout.item_option, parent,
        false)
        return OptionViewHolder(view)
    }

    override fun onBindViewHolder(holder: OptionViewHolder, position: Int) {
        holder.optionText.text = options[position]
    }

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

```

```

package com.example.travelplanner
import ViewPlanActivity
import android.app.DatePickerDialog
import android.content.Intent
import android.os.Bundle
import android.widget.*
import androidx.appcompat.app.AppCompatActivity
import java.text.SimpleDateFormat
import java.util.*

class PlanTripActivity : AppCompatActivity() {

    private lateinit var destinationEditText: EditText
    private lateinit var startDateEditText: EditText
    private lateinit var endDateEditText: EditText
    private lateinit var activitiesEditText: EditText
    private lateinit var saveButton: Button

    private val calendar = Calendar.getInstance()
    private var startDate: Date? = null
    private var endDate: Date? = null
    private val dateFormat = SimpleDateFormat("yyyy-MM-dd", Locale.getDefault())

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

        // Initialize views
        destinationEditText = findViewById(R.id.destinationEditText)
        startDateEditText = findViewById(R.id.startDateEditText)
        endDateEditText = findViewById(R.id.endDateEditText)
        activitiesEditText = findViewById(R.id.activitiesEditText)
        saveButton = findViewById(R.id.saveButton)

        // Set up toolbar
        val toolbar = findViewById<Toolbar>(R.id.toolbar)
        setSupportActionBar(toolbar)
        supportActionBar?.title = "Plan Your Trip"
        //toolbar.setBackgroundColor(resources.getColor(R.color.primary_blue))

        // Set up date pickers
        startDateEditText.setOnClickListener { showDatePicker(true) }
        endDateEditText.setOnClickListener { showDatePicker(false) }

        // Make date fields non-editable
        startDateEditText.keyListener = null
        endDateEditText.keyListener = null

        // Set up save button
    }

```

```

        saveButton.setOnClickListener {
            val destination = destinationEditText.text.toString()
            val activities = activitiesEditText.text.toString()

            if (destination.isEmpty() || startDate == null || endDate == null) {
                Toast.makeText(this, "Please fill all fields",
                    Toast.LENGTH_SHORT).show()
                return@setOnClickListener
            }

            // Start ViewPlanActivity with the trip details
            val intent = Intent(this, ViewPlanActivity::class.java).apply {
                putExtra("destination", destination)
                putExtra("startDate", dateFormat.format(startDate))
                putExtra("endDate", dateFormat.format(endDate))
                putExtra("activities", activities)
            }
            startActivity(intent)
        }
    }

    private fun setSupportActionBar(toolbar: Toolbar?) {
        TODO("Not yet implemented")
    }

    private fun showDatePicker(isStartDate: Boolean) {
        val datePickerDialog = DatePickerDialog(
            this,
            { _, year, month, day ->
                calendar.set(year, month, day)
                val selectedDate = calendar.time

                if (isStartDate) {
                    startDate = selectedDate
                    startDateEditText.setText(dateFormat.format(selectedDate))
                } else {
                    endDate = selectedDate
                    endDateEditText.setText(dateFormat.format(selectedDate))
                }
            },
            calendar.get(Calendar.YEAR),
            calendar.get(Calendar.MONTH),
            calendar.get(Calendar.DAY_OF_MONTH)
        )

        datePickerDialog.show()
    }
}

package com.example.travelplanner

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```

import android.os.Bundle
import androidx.appcompat.app.AppCompatActivity
import android.widget.Switch
import android.widget.ImageView

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

        val switchDarkMode = findViewById<Switch>(R.id.switchDarkMode)
        val imgSettings = findViewById<ImageView>(R.id.imgSettings)

        imgSettings.setImageResource(R.drawable.sydney)

        switchDarkMode.setOnCheckedChangeListener { _, isChecked ->
            if (isChecked) {
                // Enable dark mode
            } else {
                // Disable dark mode
            }
        }
    }
}

package com.example.travelplanner

import android.content.Intent
import android.os.Bundle
import android.widget.Button
import android.widget.Toast
import androidx.appcompat.app.AppCompatActivity

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

        val getStartedButton: Button = findViewById(R.id.btn_get_started)
        getStartedButton.setOnClickListener {
            val intent = Intent(this, SignupActivity::class.java)
            startActivity(intent)
            finish()
        }
    }
}

package com.example.travelplanner

import android.os.Bundle

```

```

import android.widget.Button
import android.widget.EditText
import androidx.appcompat.app.AppCompatActivity
import android.widget.ImageView

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

        val edtDestination = findViewById<EditText>(R.id.edtDestination)
        val btnSaveTrip = findViewById<Button>(R.id.btnSaveTrip)
        val imgTrip = findViewById<ImageView>(R.id.imgTrip)

        imgTrip.setImageResource(R.drawable.tokyo)

        btnSaveTrip.setOnClickListener {
            // Save trip logic
        }
    }
}

import android.os.Bundle
import android.widget.TextView
import androidx.appcompat.app.AppCompatActivity
import androidx.appcompat.widget.Toolbar
import com.example.travelplanner.R

class ViewPlanActivity : AppCompatActivity() {

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

        // Set up toolbar
        val toolbar = findViewById<Toolbar>(R.id.toolbar)
        setSupportActionBar(toolbar)
        supportActionBar?.title = "Your Travel Plan"
        //toolbar.setBackgroundColor(resources.getColor(R.color.primary_blue))

        // Enable back button
        supportActionBar?.setDisplayHomeAsUpEnabled(true)

        // Get data from intent
        val destination = intent.getStringExtra("destination") ?: ""
        val startDate = intent.getStringExtra("startDate") ?: ""
        val endDate = intent.getStringExtra("endDate") ?: ""
        val activities = intent.getStringExtra("activities") ?: ""

        // Display the data
    }
}

```

```
        findViewById<TextView>(R.id.destinationText).text = "Destination:
$destination"
        findViewById<TextView>(R.id.datesText).text = "From: $startDate\nTo:
$endDate"
        findViewById<TextView>(R.id.activitiesText).text =
"Activities:\n$activities"
    }

    override fun onSupportNavigateUp(): Boolean {
        onBackPressed()
        return true
    }
}
```