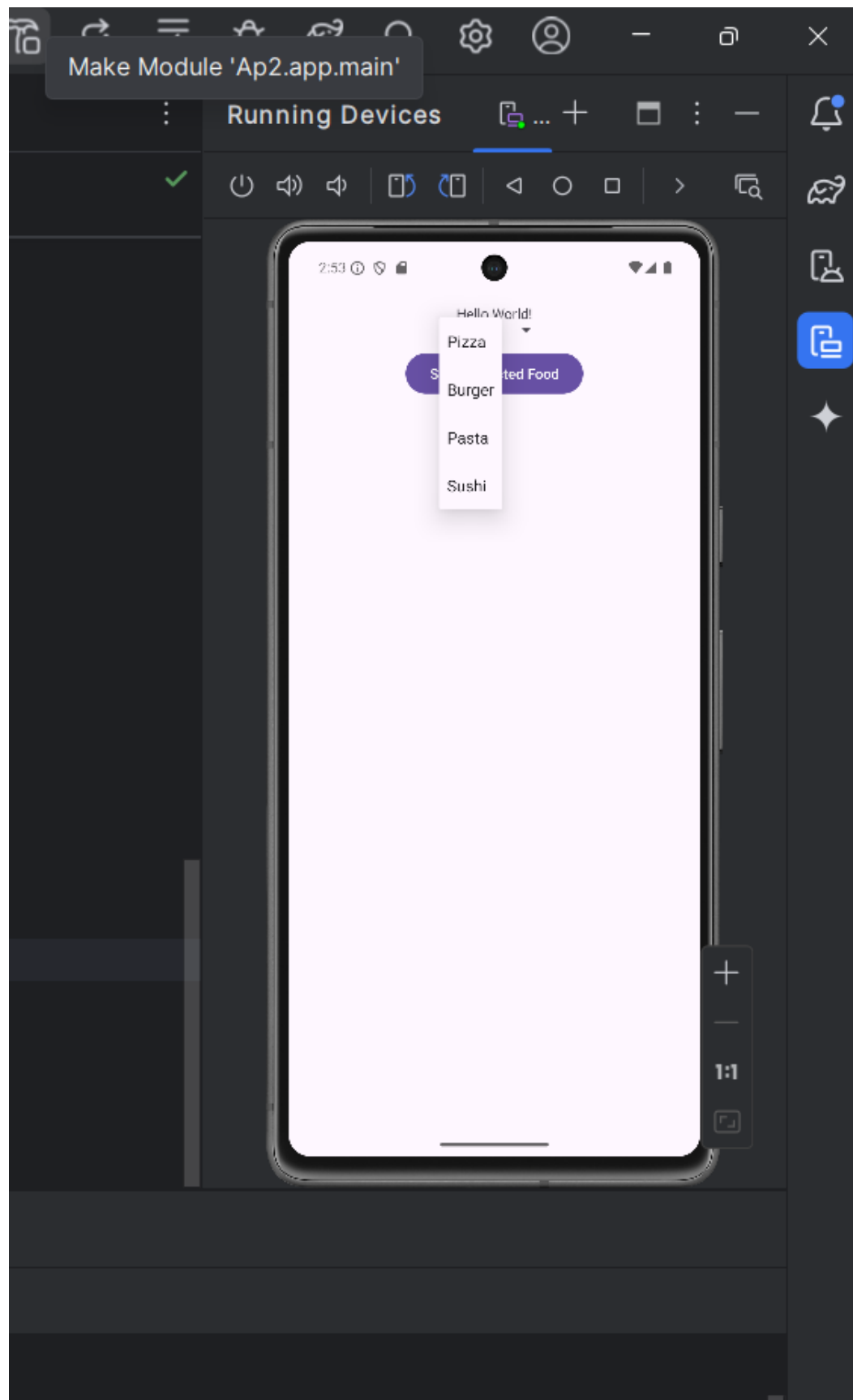
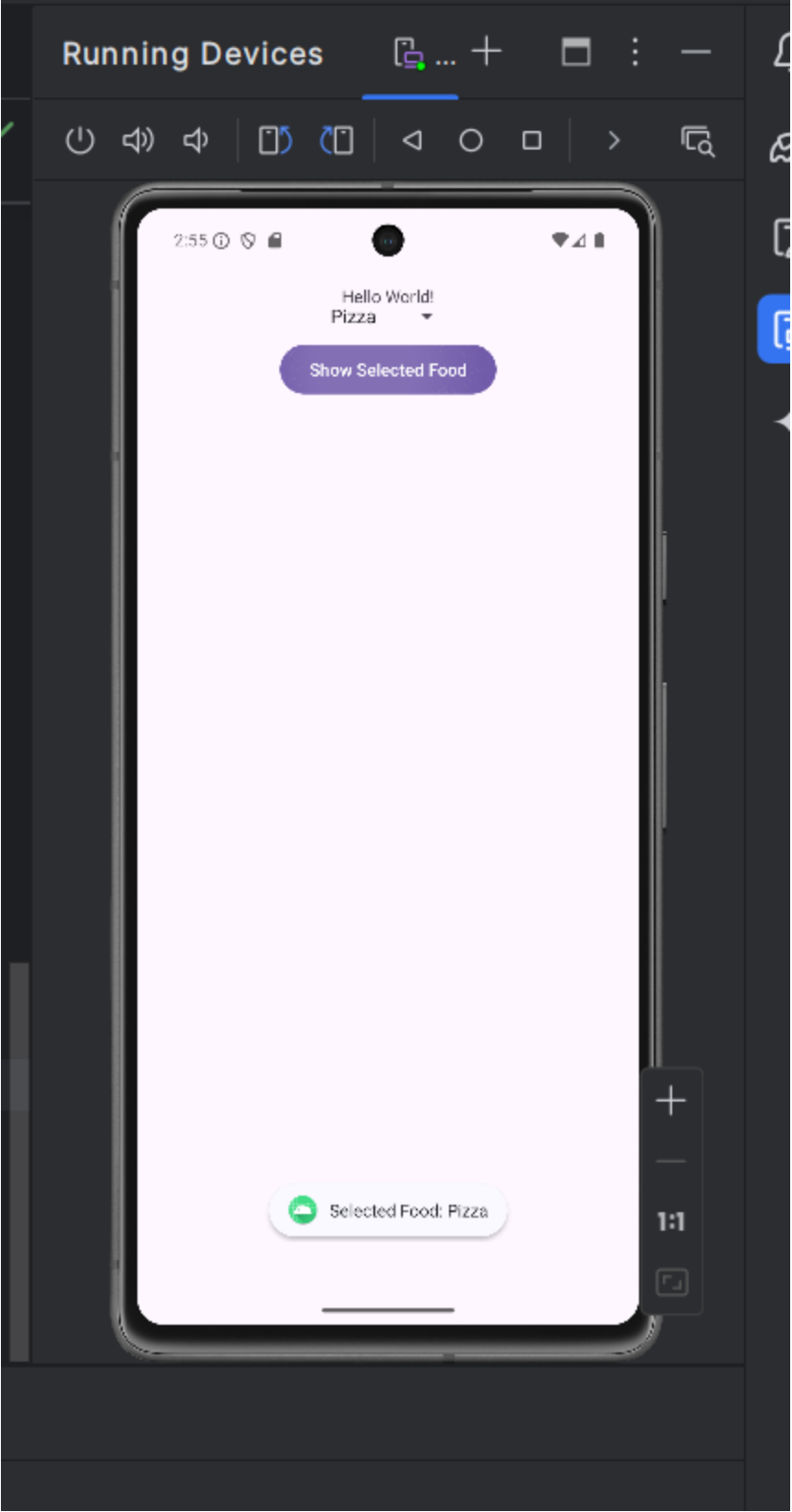


## **Application2**







# Main\_Activity.kt

```
package com.example.ap2

import android.os.Bundle
import android.view.View
import android.widget.AdapterView
import android.widget.AdapterView.OnItemClickListener
import android.widget.ArrayAdapter
import android.widget.Button
import android.widget.Spinner
import android.widget.Toast
import androidx.activity.enableEdgeToEdge
import androidx.appcompat.app.AppCompatActivity
import androidx.core.view.ViewCompat
import androidx.core.view.WindowInsetsCompat

class MainActivity : AppCompatActivity() {

    private lateinit var spinnerFood: Spinner
    private lateinit var buttonShow: Button

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

        // Initialize views
        spinnerFood = findViewById(R.id.spinner_food)
        buttonShow = findViewById(R.id.button_show)

        // Create an ArrayAdapter using the string array and a default spinner layout
        val adapter = ArrayAdapter.createFromResource(
            this,
            R.array.food_array, // Ensure this matches the array name in strings.xml
            android.R.layout.simple_spinner_item
        )

        // Specify the layout to use when the list of choices appears
        adapter.setDropDownViewResource(android.R.layout.simple_spinner_dropdown_item)
```

```

// Apply the adapter to the spinner
spinnerFood.adapter = adapter

// Set up onItemSelectedListener for Spinner
spinnerFood.onItemSelectedListener = object : AdapterView.OnItemSelectedListener {
    override fun onItemSelected(parent: AdapterView<*>?, view: View?, position: Int, id: Long) {
        // Optionally handle item selection here
    }

    override fun onNothingSelected(parent: AdapterView<*>?) {
        // Handle case when nothing is selected
    }
}

// Set up onClickListener for Button
buttonShow.setOnClickListener {
    // Get the selected item from the Spinner
    val selectedFood = spinnerFood.selectedItem.toString()
    // Show a Toast with the selected food item

    Toast.makeText(this, "Selected Food: $selectedFood", Toast.LENGTH_SHORT).show()
}

// Handle edge-to-edge layout
ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main)) { v, insets ->
    val systemBars = insets.getInsets(WindowInsetsCompat.Type.systemBars())
    v.setPadding(systemBars.left, systemBars.top, systemBars.right, systemBars.bottom)
    insets
}
}
}

```

## **Activity\_main.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"
xmlns:tools="http://schemas.android.com/tools"
android:id="@+id/main"
android:layout_width="match_parent"
android:layout_height="match_parent"
tools:context=".MainActivity">

<Spinner
    android:id="@+id/spinner_food"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    android:layout_marginTop="24dp"
    android:layout_marginEnd="16dp"
    android:layout_marginStart="16dp"/>

<Button
    android:id="@+id/button_show"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Show Selected Food"
    app:layout_constraintTop_toBottomOf="@+id/spinner_food"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    android:layout_marginTop="8dp"
    android:layout_marginBottom="50dp"/>

<TextView
    android:id="@+id/text_view"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Hello World!"
    app:layout_constraintBottom_toTopOf="@+id/spinner_food"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    android:layout_marginTop="16dp"/>
```

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

## **Strings.xml**

```
<resources>  
  <string name="app_name">FoodSelector</string>  
  <string-array name="food_array">  
    <item>Pizza</item>  
    <item>Burger</item>  
    <item>Pasta</item>  
    <item>Sushi</item>  
  </string-array>  
</resources>
```