

PROGRAMACIÓN MÓVIL || COMPRENSIÓN DE LISTAS Y SPINNER

UA: Programación Móvil

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Secuencia: 6 N M 6 1

Código Strings:

```
<resources>
    <string name="app_name">My Application</string>
    <string name="select_country">Select your country</string>
    <string name="next">Next</string>

    <string name="next_usa">Next</string>
    <string name="next_mexico">Siguiendo</string>
    <string name="next_brasil">Seguindo</string>
    <string name="next_france">Suivant</string>
    <string name="next_deutsch">Folgende</string>
    <string name="next_italia">Seguente</string>

    <!-- Textos de bienvenida en diferentes países -->
    <string name="welcome_message_usa">Welcome to USA!</string>
    <string name="welcome_message_mexico">Bienvenido a México!</string>
    <string name="welcome_message_brasil">Bem-vindo ao Brasil!</string>
    <string name="welcome_message_france">Bienvenue en France!</string>
    <string name="welcome_message_deutsch">Willkommen in
Deutschland!</string>
    <string name="welcome_message_italia">Benvenuto in Italia!</string>

    <!-- Mensaje de bienvenida predeterminado -->
    <string name="welcome_message_default">Bienvenido!</string>

    <!-- Nombres de los países -->
    <string name="country_usa">Select your Country</string>
    <string name="country_mexico">Selecciona tu País</string>
    <string name="country_brasil">Escolha o seu país</string>
    <string name="country_france">Sélectionnez votre pays</string>
    <string name="country_deutsch">Wähle dein Land</string>
    <string name="country_italia">Seleziona il tuo paese</string>
</resources>
```

Código 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/headerTextView"
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:background="#6200ee"
        android:text="testS04E1"
        android:textColor="#FFFFFF"
        android:textSize="24sp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <TextView
        android:id="@+id/selectCountryTextView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="@string/select_country"
        android:textColor="#a7a7a7"
        android:textSize="30sp"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@id/headerTextView"
        android:layout_marginTop="140dp"
        android:layout_marginStart="76dp" />

    <Spinner
        android:id="@+id/countrySpinner"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        app:layout_constraintStart_toStartOf="parent"

app:layout_constraintTop_toBottomOf="@id/selectCountryTextView"
        android:layout_marginTop="56dp"
        android:textSize="25sp"
        android:layout_marginStart="144dp" />

    <Button
        android:id="@+id/nextButton"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="@string/next"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/countrySpinner"
        android:layout_marginTop="96dp"
        android:layout_marginStart="160dp"
        android:textSize="25sp" />

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

Código Main Activity:

```
class MainActivity : AppCompatActivity() {

    lateinit var countrySpinner: Spinner
    lateinit var nextButton: Button
    lateinit var selectCountryTextView: TextView
    lateinit var headerTextView: TextView

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

        countrySpinner = findViewById(R.id.countrySpinner)
        nextButton = findViewById(R.id.nextButton)
        selectCountryTextView = findViewById(R.id.selectCountryTextView)
        headerTextView = findViewById(R.id.headerTextView)

        // Lista de países
        val countries = arrayOf("USA", "México", "Brasil", "France",
                                "Deutsch", "Italia")

        // Adaptador para el spinner
        val adapter = ArrayAdapter(this,
            android.R.layout.simple_spinner_item, countries)

        adapter.setDropDownViewResource(android.R.layout.simple_spinner_dropdown_
            item)

        countrySpinner.adapter = adapter

        // Listener para el botón Next
        nextButton.setOnClickListener {
            val selectedCountry = countrySpinner.selectedItem.toString()

            // Cambiar el texto del TextView y del botón al idioma
            seleccionado
            val selectedLanguage = getLanguage(selectedCountry)
            selectCountryTextView.text =
            getSelectCountryText(selectedCountry)
            nextButton.text = getNextButtonText(selectedCountry)

            val welcomeMessage = getWelcomeMessage(selectedCountry)
            showWelcomeAlert(welcomeMessage)
        }

        // Función para obtener el mensaje de bienvenida en el idioma
        seleccionado
        private fun getWelcomeMessage(country: String): String {
            return when (country) {
                "USA" -> getString(R.string.welcome_message_usa)
                "México" -> getString(R.string.welcome_message_mexico)
                "Brasil" -> getString(R.string.welcome_message_brasil)
                "France" -> getString(R.string.welcome_message_france)
                "Deutsch" -> getString(R.string.welcome_message_deutsch)
            }
        }
    }
}
```

```

        "Italia" -> getString(R.string.welcome_message_italia)
        else -> getString(R.string.welcome_message_default)
    }
}

// Función para obtener el texto del país seleccionado
private fun getSelectCountryText(country: String): String {
    return when (country) {
        "USA" -> getString(R.string.country_usa)
        "México" -> getString(R.string.country_mexico)
        "Brasil" -> getString(R.string.country_brasil)
        "France" -> getString(R.string.country_france)
        "Deutsch" -> getString(R.string.country_deutsch)
        "Italia" -> getString(R.string.country_italia)
        else -> ""
    }
}

// Función para obtener el texto del botón "Next" en el idioma
seleccionado
private fun getNextButtonText(country: String): String {
    return when (country) {
        "USA" -> getString(R.string.next_usa)
        "México" -> getString(R.string.next_mexico)
        "Brasil" -> getString(R.string.next_brasil)
        "France" -> getString(R.string.next_france)
        "Deutsch" -> getString(R.string.next_deutsch)
        "Italia" -> getString(R.string.next_italia)
        else -> getString(R.string.next)
    }
}

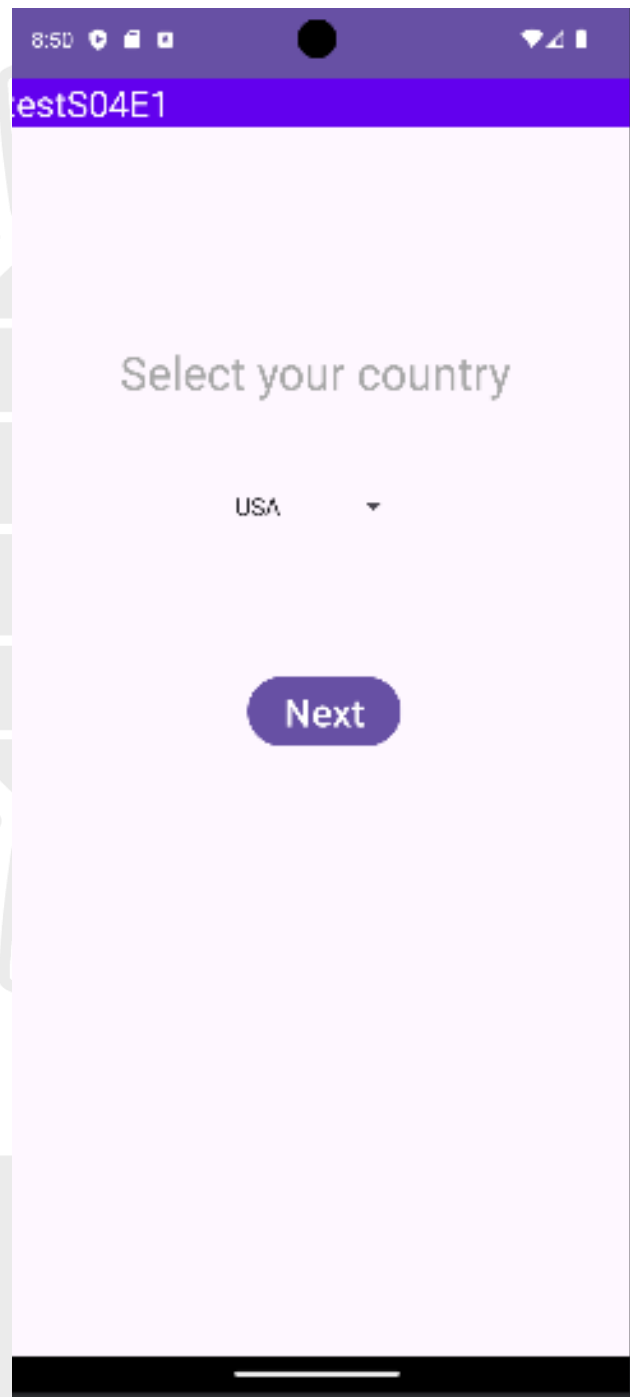
// Función para obtener el idioma según el país seleccionado
private fun getLanguage(country: String): String {
    return when (country) {
        "USA" -> "English"
        "México" -> "Spanish"
        "Brasil" -> "Portugués"
        "France" -> "Francés"
        "Deutsch" -> "Alemán"
        "Italia" -> "Italiano"
        else -> "English" // Idioma predeterminado
    }
}

// Función para mostrar el alerta de bienvenida
private fun showWelcomeAlert(message: String) {
    val builder = AlertDialog.Builder(this)
    builder.setTitle("Welcome")
    builder.setMessage(message)
    builder.setPositiveButton("OK") { dialogInterface:
DialogInterface, i: Int ->
        dialogInterface.dismiss()
    }
    builder.show()
}
}

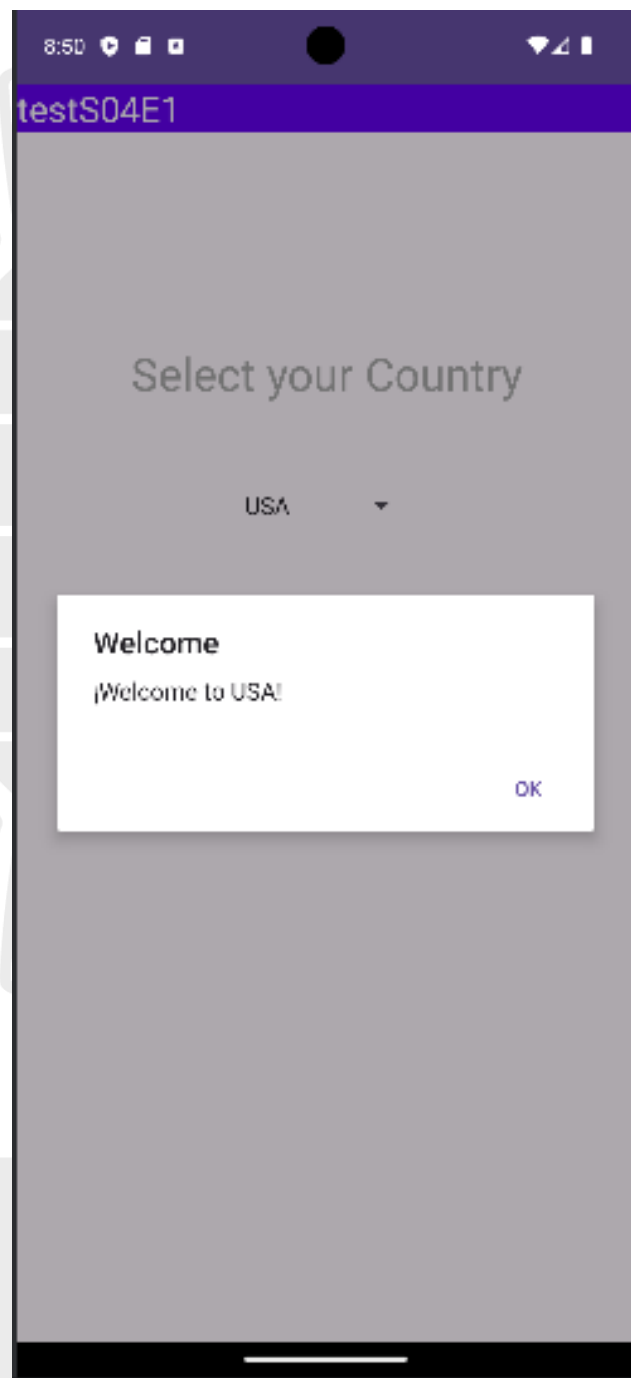
```

Pruebas:

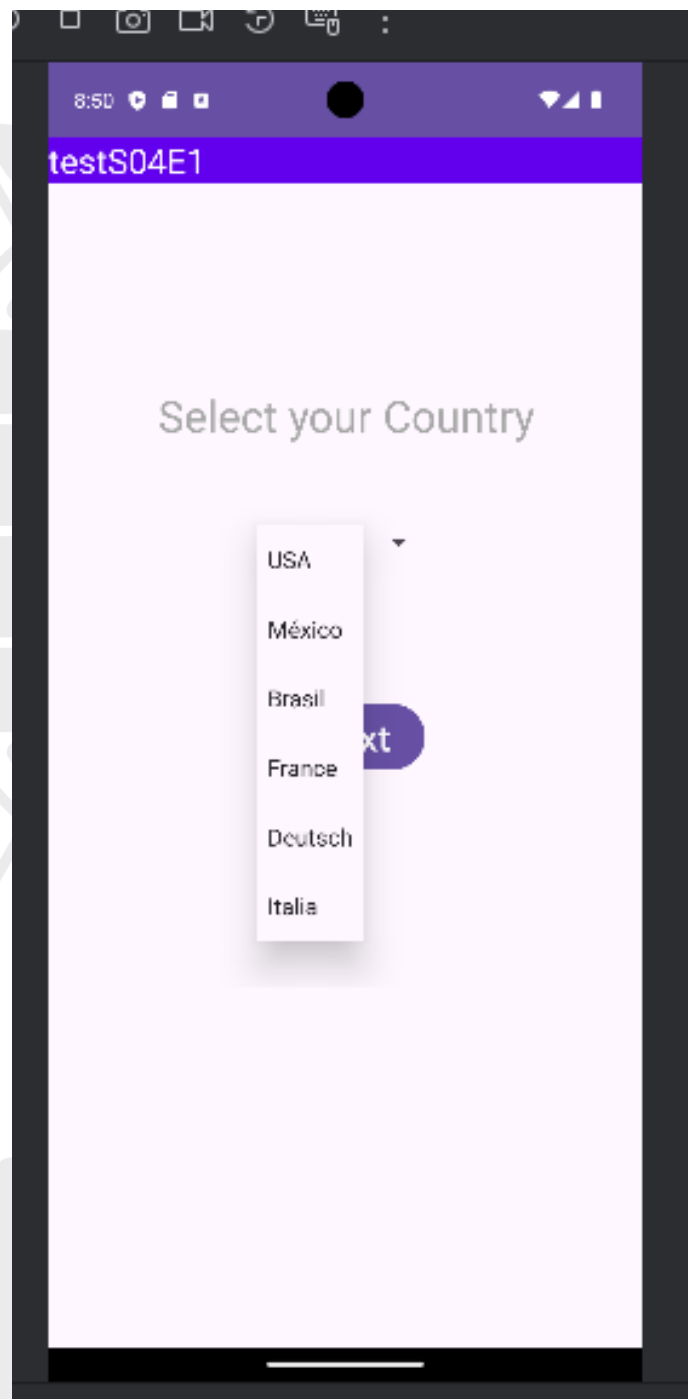
Aplicación iniciada



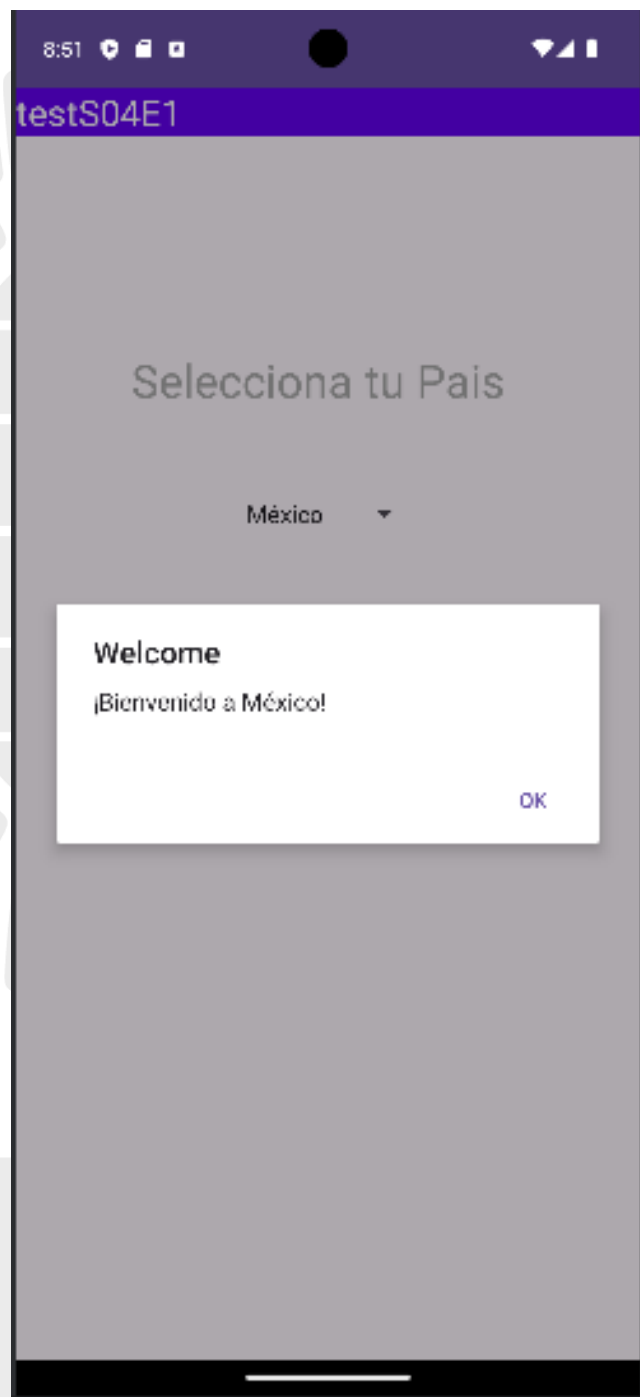
Botón con USA



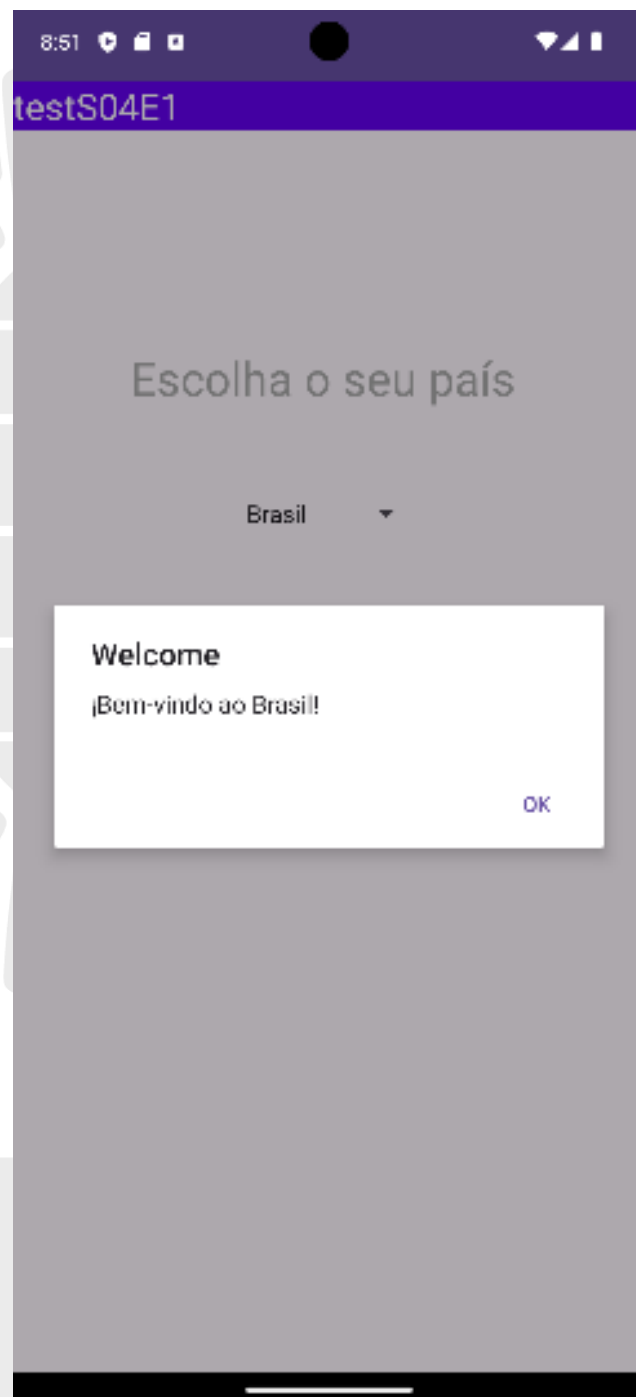
Lista de idiomas



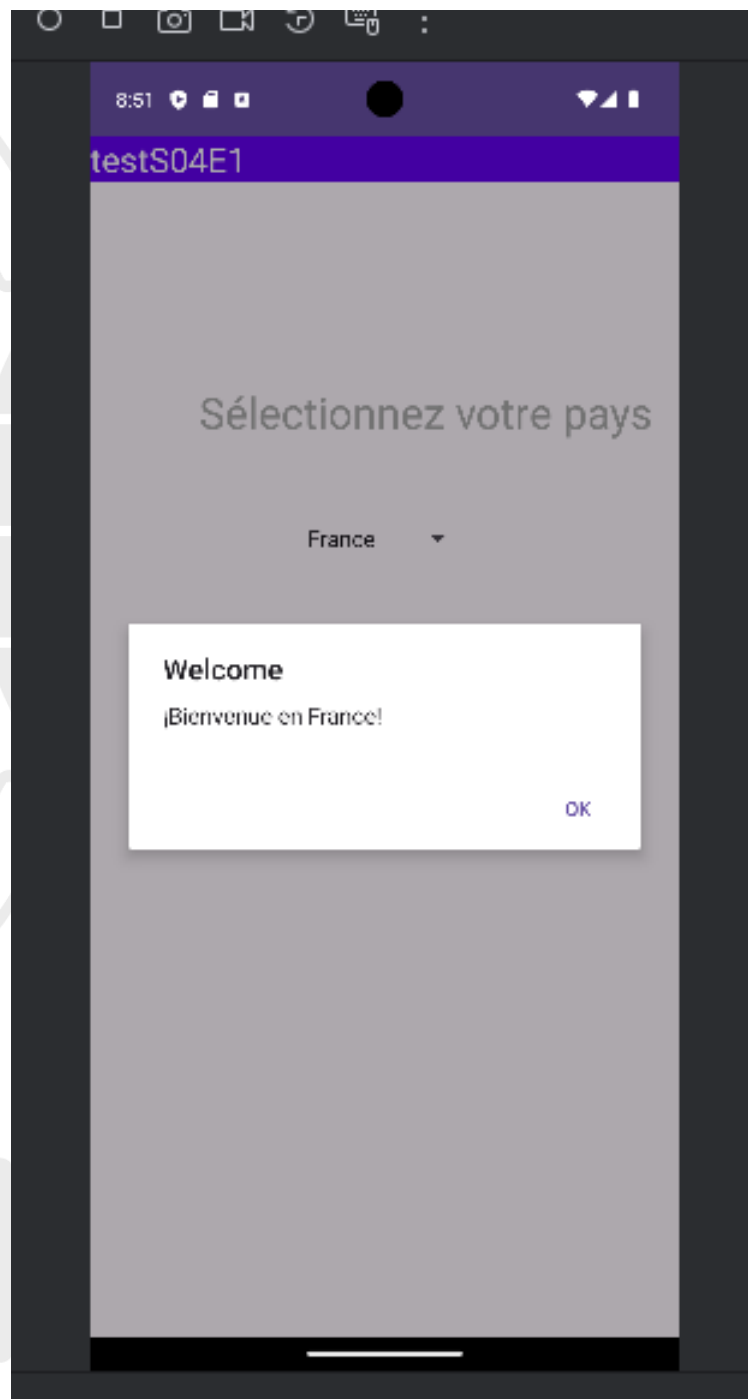
Botón con México



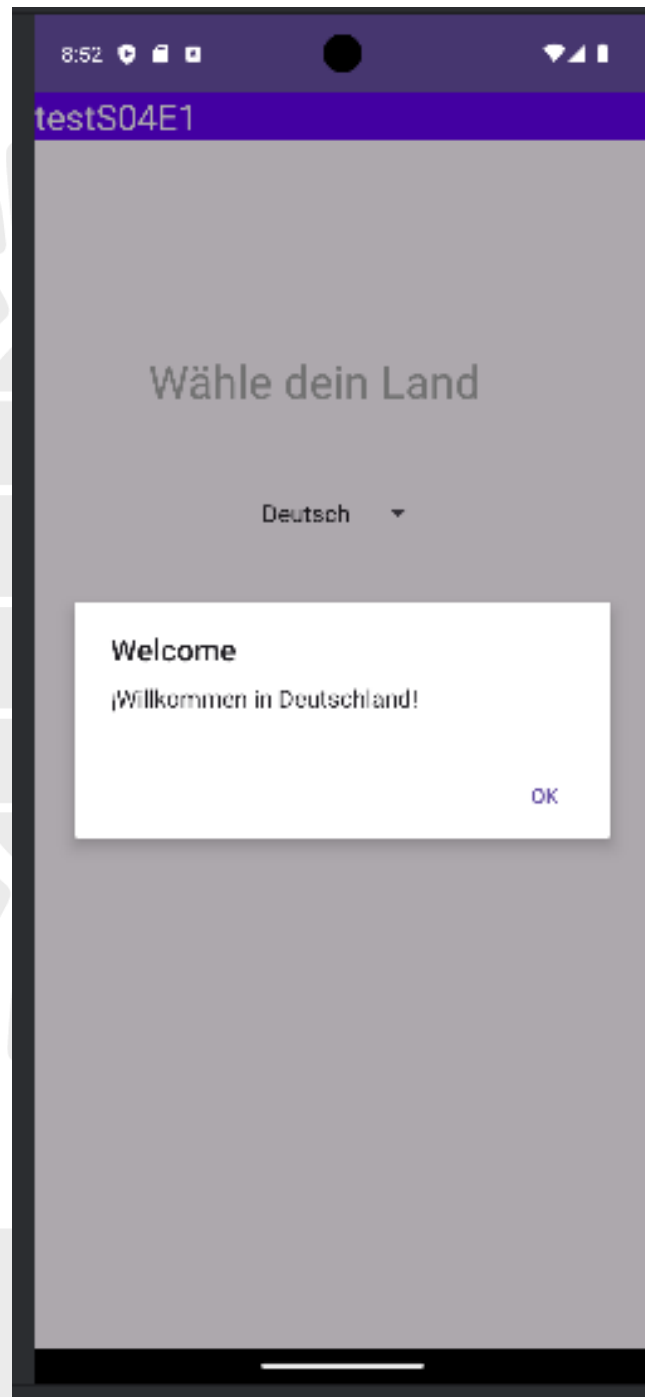
Botón con Brasil



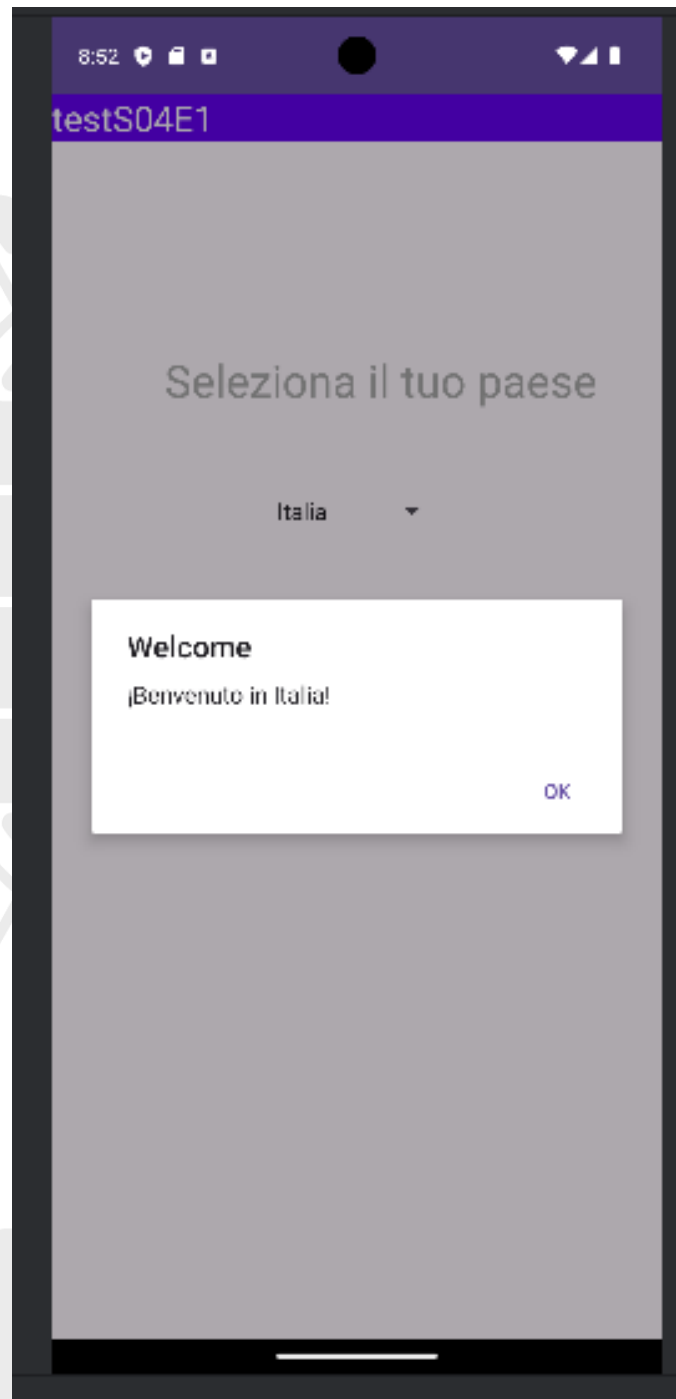
Botón con Francia



Botón con Alemania



Botón con Italia



Boton segun los paises:

Selecciona tu Pais

México ▼

Siguiente

MÉXICO

Escolha o seu país

Brasil ▼

Seguindo

BRASIL

Sélectionnez votre pays

France



Suivant

FRANCIA

Wähle dein Land

Deutsch



Folgende

ALEMANIA

Seleziona il tuo paese

Italia ▼

Seguente

ITALIA

uplivesa