package com.example.myapplication

import android.os.Bundle

import androidx.activity.ComponentActivity

import androidx.activity.compose.setContent

import androidx.compose.foundation.layout.\*

import androidx.compose.foundation.text.BasicTextField

import androidx.compose.material3.Button

import androidx.compose.material3.Scaffold

import androidx.compose.material3.Text

import androidx.compose.runtime.\*

import androidx.compose.ui.Modifier

import androidx.compose.ui.text.input.TextFieldValue

import androidx.compose.ui.unit.dp

import com.example.myapplication.ui.theme.MyApplicationTheme

class MainActivity : ComponentActivity() {

override fun onCreate(savedInstanceState: Bundle?) {

super.onCreate(savedInstanceState)

setContent {

MyApplicationTheme {

Scaffold(modifier = Modifier.fillMaxSize()) { innerPadding ->

TaxCalculatorApp(modifier = Modifier.padding(innerPadding))

}

}

}

}

}

@Composable

fun TaxCalculatorApp(modifier: Modifier = Modifier) {

var price by remember { mutableStateOf(TextFieldValue("")) }

var taxRate by remember { mutableStateOf(TextFieldValue("")) }

var result by remember { mutableStateOf("") }

Column(

modifier = modifier

.padding(16.dp)

.fillMaxSize(),

verticalArrangement = Arrangement.spacedBy(16.dp)

) {

// Input Field: Price

BasicTextField(

value = price,

onValueChange = { price = it },

modifier = Modifier

.fillMaxWidth()

.padding(8.dp),

decorationBox = { innerTextField ->

Box(Modifier.padding(8.dp)) {

if (price.text.isEmpty()) Text("Enter Price")

innerTextField()

}

}

)

// Input Field: Tax Rate

BasicTextField(

value = taxRate,

onValueChange = { taxRate = it },

modifier = Modifier

.fillMaxWidth()

.padding(8.dp),

decorationBox = { innerTextField ->

Box(Modifier.padding(8.dp)) {

if (taxRate.text.isEmpty()) Text("Enter Tax Rate (%)")

innerTextField()

}

}

)

// Button: Calculate

Button(

onClick = {

val priceValue = price.text.toDoubleOrNull()

val taxRateValue = taxRate.text.toDoubleOrNull()

if (priceValue != null && taxRateValue != null) {

val taxAmount = priceValue \* (taxRateValue / 100)

val totalAmount = priceValue + taxAmount

result = "Tax: $taxAmount, Total: $totalAmount"

} else {

result = "Please enter valid numbers."

}

},

modifier = Modifier.fillMaxWidth()

) {

Text("Calculate")

}

// Output: Result

Text(text = result, modifier = Modifier.padding(8.dp))

}

}