IMAD ASSIGNMENT

package vcmsa.ci.assignment1  
  
import android.os.Bundle  
import android.widget.Button  
import android.widget.EditText  
import android.widget.TextView  
import android.widget.Toast  
import androidx.appcompat.app.AppCompatActivity  
  
  
class MainActivity : AppCompatActivity() {  
  
  
  
 override fun onCreate(savedInstanceState: Bundle?) {  
  
 super.onCreate(savedInstanceState)  
  
 setContentView(R.layout.*activity\_main*)  
  
  
  
 // Initialize UI elements  
  
 val timeOfDayEditText: EditText = findViewById(R.id.*searchView*)  
  
 val showMealButton: Button = findViewById(R.id.*button2*)  
  
 val resetButton: Button = findViewById(R.id.*button1*)  
  
 val mealSuggestionsTextView: TextView = findViewById(R.id.*textView2recipes*)  
  
  
  
 // Show meal suggestions when button is clicked  
  
 showMealButton.setOnClickListener **{**  
  
val timeOfDay = timeOfDayEditText.*text*.toString().*trim*()  
  
  
  
 if (timeOfDay.*isEmpty*()) {  
  
 // Show a Toast if no time of day is entered  
  
 Toast.makeText(this, "Please enter a time of day", Toast.*LENGTH\_SHORT*).show()  
  
 } else {  
  
 // Display meal suggestions based on the time of day  
  
 val mealSuggestions = when (timeOfDay.*lowercase*()) {  
  
 "morning" -> {  
  
 "Breakfast: Avocado bread\nSmoothie Bowl\nOatmeal Porridge"  
  
 }  
  
 "mid-morning" -> {  
  
 "Snack: Cinnamon Apples\nGreek Yoghurt with Berries\nNuts and Dried Fruits"  
  
 }  
  
 "afternoon" -> {  
  
 "Lunch: Grain Bowl\nWrap or Sandwich\nSalad with Grilled Protein"  
  
 }  
  
 "mid-afternoon" -> {  
  
 "Snack: Hummus and Veggies\nRice cakes with Nut Butter\nTrail Mix Bites"  
  
 }  
  
 "dinner" -> {  
  
 "Dinner: Grilled Salmon with Veggies\nStir-Fried Tofu with Veggies\nChicken and Vegetable Casserole"  
  
 }  
  
 "after dinner" -> {  
  
 "Dessert: Baked Cinnamon Apples\nDark chocolate with Almonds\nHerbal Tea and Whole-Grain Biscuit"  
  
 }  
  
 else -> {  
  
 "Invalid time of day. Please enter a valid time."  
  
 }  
  
 }  
  
  
  
 // Show the meal suggestions in the TextView  
  
 mealSuggestionsTextView.*text* = mealSuggestions  
  
 }  
  
 **}**  
  
  
  
// Reset the input and suggestions when reset button is clicked  
  
 resetButton.setOnClickListener **{**  
  
timeOfDayEditText.*text*.clear()  
  
 mealSuggestionsTextView.*text* = ""  
  
 **}**  
  
}  
  
}