MainActivity.kt

```
package com.example.hw01 burger app
import androidx.appcompat.app.AppCompatActivity
import android.os.Bundle
import com.example.hw01 burger app.databinding.ActivityMainBinding
class MainActivity: AppCompatActivity() {
  private var binding: ActivityMainBinding? = null
  override fun onCreate(savedInstanceState: Bundle?) {
    super.onCreate(savedInstanceState)
    binding = ActivityMainBinding.inflate(layoutInflater)
    setContentView(binding?.root)
layout/activity_main.xml
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout</pre>
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"> <TextView android:id="@+id/welcome tv" android:layout width="wrap content" android:layout_height="wrap_content" android:layout_marginTop="30dp" android:text="@string/burger shop" android:textSize="16sp" android:textStyle="bold" app:layout constraintEnd toEndOf="parent" app:layout constraintStart toStartOf="parent" app:layout_constraintTop_toTopOf="parent" /> <ImageView android:id="@+id/burger iv" android:layout width="wrap content" android:layout_height="wrap_content" android:src="@drawable/burger" app:layout_constraintEnd_toEndOf="parent" app:layout constraintStart toStartOf="parent" tools:layout editor absoluteY="75dp" />

```
<TextView
  android:id="@+id/bun prompt tv"
  android:layout width="wrap content"
  android:layout_height="wrap_content"
  android:text="@string/select_a_bun"
  app:layout constraintEnd toStartOf="@+id/buns spnr"
  app:layout constraintStart toStartOf="parent"
  tools:layout editor absoluteY="325dp" />
<Spinner
  android:id="@+id/buns spnr"
  android:layout width="wrap content"
  android:layout_height="wrap_content"
  app:layout constraintEnd toEndOf="parent"
  app:layout constraintStart toEndOf="@id/bun prompt tv"
  tools:layout_editor_absoluteY="322dp" />
<TextView
  android:id="@+id/patty prompt tv"
  android:layout width="wrap content"
  android:layout_height="wrap_content"
  android:text="@string/select a patty"
  app:layout_constraintEnd_toStartOf="@+id/buns_spnr"
  app:layout constraintStart toStartOf="parent"
  tools:layout editor absoluteY="375dp" />
<Spinner
  android:id="@+id/patty_spnr"
  android:layout width="wrap content"
  android:layout height="wrap content"
  app:layout_constraintEnd_toEndOf="parent"
  app:layout constraintStart toEndOf="@id/bun prompt tv"
  tools:layout editor absoluteY="372dp" />
<TextView
  android:id="@+id/topping_prompt_tv"
  android:layout width="wrap content"
  android:layout height="wrap content"
  android:text="@string/select_a_topping"
  app:layout constraintEnd toEndOf="parent"
  app:layout_constraintStart_toStartOf="parent"
  tools:layout_editor_absoluteY="425dp" />
<CheckBox
  android:id="@+id/checkbox_chbx"
  android:layout_width="wrap_content"
  android:layout height="wrap content"
  android:text="@string/bacon"
  app:layout_constraintStart_toStartOf="parent"
  app:layout_constraintEnd_toEndOf="parent"
  tools:layout editor absoluteY="450dp" />
```

<TextView

```
android:layout width="wrap content"
  android:layout height="wrap content"
  android:text="@string/enter amount"
  app:layout constraintStart toStartOf="parent"
  app:layout constraintEnd toStartOf="@id/amount input"
  tools:layout editor absoluteY="548dp" />
<com.google.android.material.textfield.TextInputEditText</pre>
  android:id="@+id/amount input"
  android:layout_width="wrap_content"
  android:layout_height="wrap_content"
  android:hint="@string/_4"
  android:inputType="numberDecimal"
  android:textSize="14sp"
  app:layout constraintStart toEndOf="@id/amount prompt tv"
  app:layout_constraintEnd_toEndOf="parent"
  tools:layout editor absoluteY="536dp" />
<Button
  android:id="@+id/purchase button"
  android:layout width="wrap content"
  android:layout_height="wrap_content"
  android:text="@string/purchase"
  app:layout constraintStart toStartOf="parent"
  app:layout_constraintEnd_toEndOf="parent"
  tools:layout_editor_absoluteY="587dp" />
<TextView
  android:id="@+id/cost description"
  android:layout_width="wrap_content"
  android:layout height="wrap content"
  android:text="@string/cost"
  app:layout constraintStart toStartOf="parent"
  app:layout constraintEnd toStartOf="@id/actual cost"
  tools:layout_editor_absoluteY="654dp" />
<TextView
  android:id="@+id/actual_cost"
  android:layout width="wrap content"
  android:layout_height="wrap_content"
  android:text="@string/ 20 00"
  tools:layout editor absoluteX="173dp"
  tools:layout editor absoluteY="654dp" />
<TextView
  android:id="@+id/calories description"
  android:layout width="wrap content"
  android:layout_height="wrap_content"
  android:text="@string/calories"
  tools:layout editor absoluteX="261dp"
  tools:layout_editor_absoluteY="659dp" />
```

android:id="@+id/amount prompt tv"

```
<TextView
android:id="@+id/actual_calories"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="@string/_2000"
tools:layout_editor_absoluteX="335dp"
tools:layout_editor_absoluteY="659dp" />
```

</androidx.constraintlayout.widget.ConstraintLayout>

values/strings.xml

```
<resources>
    <string name="app_name">HW01_Burger_App</string>
    <string name="burger_shop">Burger Shop</string>
    <string name="select_a_bun">Select a bun:</string>
    <string name="select_a_patty">Select a patty:</string>
    <string name="select_a_topping">Select a topping:</string>
    <string name="enter_amount">Enter amount:</string>
    <string name="_4">4</string>
    <string name="purchase">Purchase</string>
    <string name="cost">Cost:</string>
    <string name="cost">Calories:</string>
    <string name="calories">Calories:</string>
    <string name="_2000">2000</string>
    <string name="bacon">Bacon</string>
    </resources>
</resources>
```