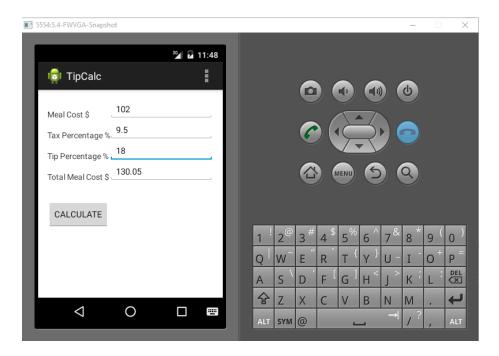
Source Code

The complete source code for this assignment is available on github $\theta = 1.7$ https://github.com/bradyhouse/ITM455.

Screenshot



ManifestAndroid.xml

strings.xml

MainActivity.Class

```
package com.iit.itm455.hw1.tipCalc;
import android.app.Activity;
import android.view.View.OnClickListener;
import android.os.Bundle;
import android.view.Menu;
import android.view.MenuItem;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
public class MainActivity extends Activity implements OnClickListener {
         private double mealCost;
         private double totalCost;
private double taxPercentage = 0.0;
private double tipPercentage = 0.0;
         public void calculateTotalCost() {
                                             > 0 && this.getTaxPercentage() >= 0
                   if (this.getMealCost()
                             @Override
         protected void onCreate(Bundle savedInstanceState) {
                   super.onCreate(savedInstanceState);
                   setContentView(R.layout.activity_main);
Button buttonCalc = (Button) findViewById(R.id.buttonCalculate);
buttonCalc.setOnClickListener(this);
         public boolean onCreateOptionsMenu(Menu menu) {
                   getMenuInflater().inflate(R.menu.main, menu);
                   return true;
         }
         public boolean onOptionsItemSelected(MenuItem item) {
   int id = item.getItemId();
   if (id == R.id.action_settings) {
                            return true;
                   return super.onOptionsItemSelected(item);
         public double getTotalCost() {
    return totalCost;
         public void setTotalCost(double totalCost) {
                   this.totalCost = totalCost;
         public double getTaxPercentage() {
         public void setTaxPercentage(double taxPercentage) {
                   this.taxPercentage = taxPercentage;
         public double getTipPercentage() {
                   return tipPercentage;
         public void setTipPercentage(double tipPercentage) {
                   this.tipPercentage = tipPercentage;
         public double getMealCost() {
                   return mealCost;
         public void setMealCost(double mealCost) {
    this.mealCost = mealCost;
         double tip = editTip.getText().length() > 0 ? Double
                   .parseDouble(editTip.getText().toString()) : 0.0;
double tax = editTax.getText().length() > 0 ? Double
                                       .parseDouble(editTax.getText().toString()) : 0.0;
                   if (editCost.getText().length() > 0) {
                             this.setMealCost(Double.parseDouble(editCost.getText().toString()));
                             this.setTipPercentage(tip);
this.setTaxPercentage(tax);
                             this.calculateTotalCost():
         }
```

activity main.xml

```
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
xmlns:tools="http://schemas.android.com/tools"</pre>
         android:id="@+id/labelMealCost"
                      </TextView>
           <EditText
                     android:id="@+id/editMealCost"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_alignParentRight="true"
android:layout_toRightOf="@+id/buttonCalculate"
                     android:layout_toRightOf="@+id/bu
android:editable="true"
android:enabled="true"
android:inputType="numberDecimal"
android:textSize="15sp" >
           </EditText>
           <TextView
                     ctView
android:id="@+id/labelTaxPercentage"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_alignBottom="@+id/editTaxPercentage"
android:text="@string/label_tax_percentage" >
......
                      android:id="@+id/editTaxPercentage
                     android:id="@+id/editTaxPercentage"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_alignLeft="@+id/editMealCost"
android:layout_alignParentRight="true"
android:layout_below="@+id/editMealCost"
android:editable="true"
android:enabled="true"
android:inputType="numberDecimal"
android:text="0"
android:text="15en" >
                       android:textSize="15sp" >
           </EditText>
                      android:id="@+id/labelTipPercentage"
                     android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_alignBottom="@+id/editTipPercentage"
android:text="@string/label_tip_percentage" >
           <EditText
                     itText
android:id="0+id/editTipPercentage"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_alignLeft="0+id/editTaxPercentage"
android:layout_alignParentRight="true"
android:layout_below="0+id/editTaxPercentage"
android:editable="true"
android:enabled="true"
android:inputType="numberDecimal"
                      android:inputType="numberDecimal"
android:text="0"
                      android:textSize="15sp" >
           </EditText>
                      android:id="@+id/labelTotalMealCost"
                      android:la="@+1d/labelTotalMealCost"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_alignBottom="@+id/editTotalMealCost"
android:text="@string/label_total_meal_cost" >
           </TextView>
           <EditText
                     itText
android:id="0+id/editTotalMealCost"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_alignParentRight="true"
android:layout_below="0+id/editTipPercentage"
android:layout_toRightOf="0+id/buttonCalculate"
android:editable="false"
android:inputType="numberDecimal"
android:textSize="15sp" >
ditText>
           <But.ton
                     android:id="@+id/buttonCalculate"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_alignLeft="@+id/labelTotalMealCost"
android:layout_below="@+id/labelTotalMealCost"
android:layout_marginTop="32dp"
android:text="CALCULATE"
android:textSize="15sp" />
ivoluptop
</RelativeLayout>
```