

```
1 package me.jamiepeterson.al5tuition;
2
3 import android.graphics.Color;
4 import android.support.v7.app.AppCompatActivity;
5 import android.os.Bundle;
6 import android.view.View;
7 import android.widget.Button;
8 import android.widget.CheckBox;
9 import android.widget.EditText;
10 import android.widget.RadioGroup;
11 import android.widget.TextView;
12
13 public class MainActivity extends AppCompatActivity {
14
15     @Override
16     protected void onCreate(Bundle savedInstanceState) {
17         super.onCreate(savedInstanceState);
18         setContentView(R.layout.activity_main);
19
20         //Button
21         Button button = (Button) findViewById(R.id.submit);
22         ButtonHandler temp = new ButtonHandler();
23         button.setOnClickListener(temp);
24     }
25
26     //Button Handler
27     private class ButtonHandler implements View.OnClickListener {
28         public void onClick(View v) {
29             //Get EditTexts
30             EditText creditsText = (EditText) findViewById(R.id.credits);
31             //Get String
32             String creditsString = creditsText.getText().toString();
33             //Get Int
34             int credits;
35             try {
36                 credits = Integer.parseInt(creditsString);
37             }
38             catch (NumberFormatException e){
39                 credits = 0;
40             }
41
42             //Get Radios
43             RadioGroup stateGroup = (RadioGroup) findViewById(R.id.state);
44             RadioGroup gradGroup = (RadioGroup) findViewById(R.id.grad);
45
46             //Radio Values
47             int stateID = stateGroup.getCheckedRadioButtonId();
48             int gradID = gradGroup.getCheckedRadioButtonId();
49
50             //Convert to values
51             double state = 1.0;
52             int grad = 0;
53
54             //state
```

```
55         if (stateID == R.id.inState)
56             state = 1.0;
57         else //If stateID = R.id.outState
58             state = 1.5;
59         //Grad
60         if (gradID == R.id.undergrad)
61             grad = 300;
62         else if (gradID == R.id.graduate)
63             grad = 400;
64         else //if gradID == R.id.nonDegree
65             grad = 200;
66
67         //Get checkboxes
68         CheckBox dormBox = (CheckBox) findViewById(R.id.dorm);
69         CheckBox foodBox = (CheckBox) findViewById(R.id.food);
70         CheckBox parkBox = (CheckBox) findViewById(R.id.park);
71
72         //Calculate other value
73         int otherVal = 0;
74         if (dormBox.isChecked())
75             otherVal += 1000;
76         if (foodBox.isChecked())
77             otherVal += 500;
78         if (parkBox.isChecked())
79             otherVal += 100;
80         //Calculate and output
81         Calculate c = new Calculate(credits, state, grad, otherVal);
82         TextView output = (TextView) findViewById(R.id.output);
83         output.setText("$" + c.getValue());
84     }
85 }
86 }
87
```