

Nicholas Sammut

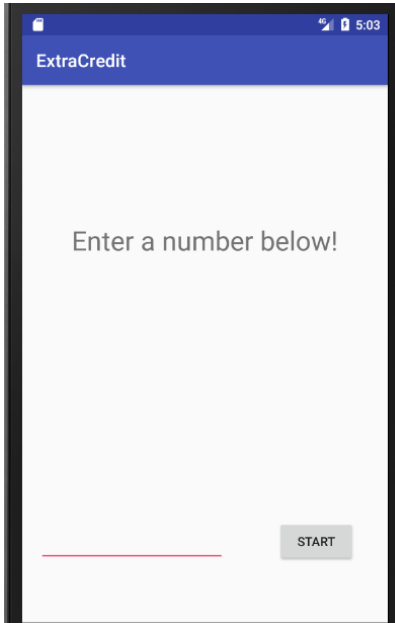
Dr. Mark Allison

CIS 525

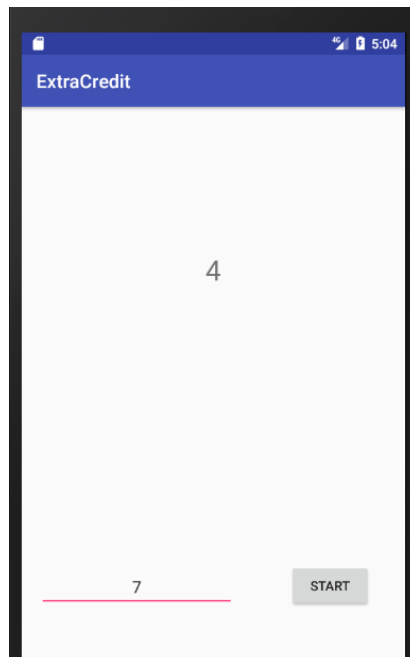
### Extra Credit

#### Screenshot of Emulator

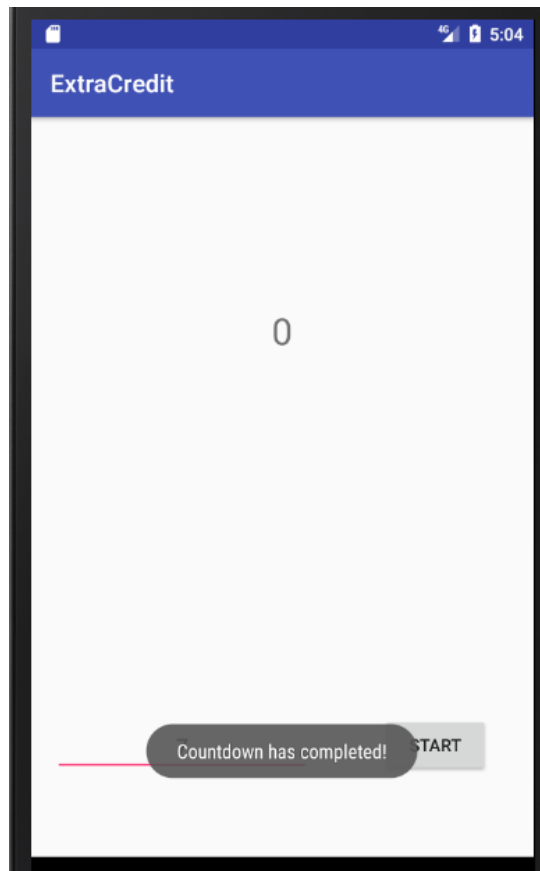
On Application Opening



A Few Seconds After 7 Is Entered And Start Is Pressed



## Countdown Complete



## Java File

```
[app] - ...\app\src\main\java\edu\umflint\extracredit\MainActivity.java - Android Studio 2.3.2
ExtraCredit > app > src > main > java > edu > umflint > extracredit > MainActivity
MainActivity.java x

1  package edu.umflint.extracredit;
2
3  import ...
13
14  public class MainActivity extends AppCompatActivity {
15
16      private int cd = 0;
17
18      @Override
19      protected void onCreate(Bundle savedInstanceState) {
20          super.onCreate(savedInstanceState);
21          setContentView(R.layout.activity_main);
22
23          Button startButton = (Button) findViewById(R.id.startButton);
24
25          startButton.setOnClickListener((v) -> {
26              EditText input = (EditText) findViewById(R.id.numberInput);
27              TextView countdown = (TextView) findViewById(R.id.countdown);
28              try {
29                  if (Integer.parseInt(input.getText().toString()) < 1) {
30                      Toast.makeText(getApplicationContext(), "Please submit a number value!", Toast.LENGTH_LONG).show();
31                  } else {
32                      cd = Integer.parseInt(input.getText().toString());
33                      countdown.setText(input.getText().toString());
34                      new Countdown().execute();
35                  }
36              } catch (Exception ex) {
37                  ex.printStackTrace();
38                  Toast.makeText(getApplicationContext(), "Please submit a number value!", Toast.LENGTH_LONG).show();
39              }
40          });
41      }
42
43      public class Countdown extends AsyncTask<Void, Integer, Void> {
44          @Override
45          protected void onPostExecute(Void aVoid) {
46              Toast.makeText(getApplicationContext(), "Countdown has completed!", Toast.LENGTH_LONG).show();
47          }
48
49          @Override
50          protected void onProgressUpdate(Integer... values) {
51              TextView countdown = (TextView) findViewById(R.id.countdown);
52              countdown.setText(values[0].toString());
53          }
54
55          @Override
56          protected Void doInBackground(Void... params) {
57              while (cd > 0) {
58                  try {
59                      Thread.sleep(1000);
60                  } catch (InterruptedException e) {
61                      e.printStackTrace();
62                  }
63                  cd -= 1;
64                  publishProgress(cd);
65              }
66              return null;
67          }
68      }
69  }
70
71
72
```

72:2 UTF-8 CRLF Context: <no context>