Recap

- Three components of running an Android app
  - OS responsibilities
  - App responsibilities
  - AndroidManifest.xml
- OS responsibilities?
  - Event delivery and callback calls
- App responsibilities?
  - Implementing callbacks and the app logic
- AndroidManifest.xml?
  - Declare its capabilities (e.g., permissions)
  - Register callbacks
- Componentized app logic

Today

- More code example
- setContentView()
- findViewById(), the R class, and layouts
- EditText.setOnKeyListener() & OnKeyListener()
- Displaying text on a TextView
- Componentized
- Main (UI) thread vs. other threads
  - No long-running operation on the UI thread
- AsyncTask
  - onPreExecute(), doInBackground(), onPostExecute(), onProgressUpdate() (which runs in the UI thread)
  - SERIAL_EXECUTOR vs. THREAD_POOL_EXECUTOR
  - The # limit on THREAD_POOL_EXECUTOR

CSE 486/586 Administrivia

- PA 2 will be out soon.
- Please use Piazza; all announcements will go there.
- Please come to my office during the office hours!
  - Give feedback about the class, ask questions, etc.