

CSE 486/586 Distributed Systems Android Programming --- 2

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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

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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

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- 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.

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