CS 522—Mobile Systems and Applications
Assignment Eleven—Data Security—Rubric

5 App has a first screen that launches Capture app

5 onActivityResult receives database key as result from Capture app, launches main activity

5 All activities inherit from an activity (`BaseActivity`, `BaseListActivity`, ….) that stores database key

5 Data managers are instantiated with the database key, and manager operations pass the database key to the content provider in the content URI (as a query parameter)

10 Content provider(s) read database key from URI (as a query parameter)

20 Content provider uses SQL Cipher instead of standard SQL Lite (calling `openReadableDatabase(databaseKey)` and `openWritableDatabase(databaseKey)`)

10 Define a signature permission for using Capture app `CaptureActivity`

10 Main activity must request this permission (both in the manifest and programmatically when launching the Capture app)

10 Define signature read and write permissions for clients of the content provider (mapping app must request read permission, but we won't check this part)

20 Video demonstrating launching of Capture app, then going to main screen