

## CS 522—Mobile Systems and Applications

### Assignment Four—Application Architecture—Rubric

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- 100: If **any** synchronous querying in activity on the main thread (insertion OK for this assignment).
- 100: If APK files not included (must be in **root folder** of submission).
- 100: If videos do not demonstrate running the app from Android Studio, where the code including the database definition with annotations is clearly visible.

#### 30: Design

- ☒ • 10: entity classes for Messages and Peers (entities package)
- ☒ • 10: MessageDao and PeerDao annotated
- ☒ • 10: ChatDatabase annotated
- ☐ • -50: DAO operation signatures changed in any way
- ☐ • -50 if any querying on the main thread (insertion is okay for now)

#### 60: Functionality (video demonstration)

- ☒ • 15: Client sent message is received at server (displayed in main activity, show several messages being received)
- ☒ • 15: View list of peers
- ☒ • 15: View information about a peer (including their messages)
- ☒ • 15: Exiting app and restarting shows messages still available
- ☐ • -15 if duplicate peers are inserted (should be upsert whenever message received)
- ☐ • -10 if no duplicates but peer is not updated (should be upsert whenever message received, see timestamp in ViewPeerActivity)
- ☐ • -10 if no messages displayed with a peer's details
- ☐ • -10 if messages displayed with a peer's details include other peers' messages

**Generated Schema from schemas folder (5 pts):**

**Completed Rubric (5 pts):**

**Overall**