

**CS 522—Mobile Systems and Applications**  
**Assignment Three—Content Providers—Rubric**

**Design**

- 100: If any activity does not use loader API to query content provider.
- 100: If **any** synchronous querying in activity on the main thread (insertion OK for this assignment).

**Functionality (video demonstration, shows content provider in Android Studio)**

- ☒ 20: Client sent messages are received at server (displayed as list in main activity, at least three peers sending multiple messages)
- ☒ 20: View list of peers (peers obtained from content provider)
- ☒ 20: View individual peer (with messages from that peer, obtained by querying content provider)
- ☒ 20: Individual peer's details (timestamp and messages) updated when new message arrives from that peer
- ☒ 15: Exiting app and restarting shows messages and peers still available
- ☐ -20 if duplicate peers are inserted (should be upsert whenever message received)
- ☐ -20 if no messages displayed with a peer's details
- ☐ -10 if messages displayed with a peer's details include other peers' messages
- ☐ -10 if a peer's messages are not updated when a new message is received from that peer

**Completed Rubric (5 pts):** ☒

**Overall Total:** 100