CS 522—Mobile Systems and Applications
Assignment Eight—Chat App with Service—Rubric

-100 if any network communication or database I/O on the main thread
-100: If APK files not included (must be in **root folder** of submission).

70: Functionality (video demonstration)
20 20: Sent messages are received at destination; demo video shows at least two devices communicating (show messages in both directions)
15 15: Each app displays a list of messages received so far, updated when a message is received
5 5: Updating list of chat rooms when message received with new chat room
5 5: Toast message when message is sent
5 5: Sender saves message that is sent in its own database – no duplicates
5 5: No duplicates in the chat peer database (show multiple messages from sender)
5 5: Adding a new chat room
10 10: List of messages for that peer (two-line layout includes chatroom for each message); must have ViewPeersActivity working to get to this

15: ChatService:
10 10: Handler thread for sending messages is correctly set up
5 5: Implementation of send, handleMessage, run

10: ChatActivity:
5 5: Binding to service (including binding callbacks)
5 5: Initialize result receiver (onCreate, onPause, onResume)

5: 5 **Completed rubric**

Total: 100

Zero marks if any network or database I/O on the main thread