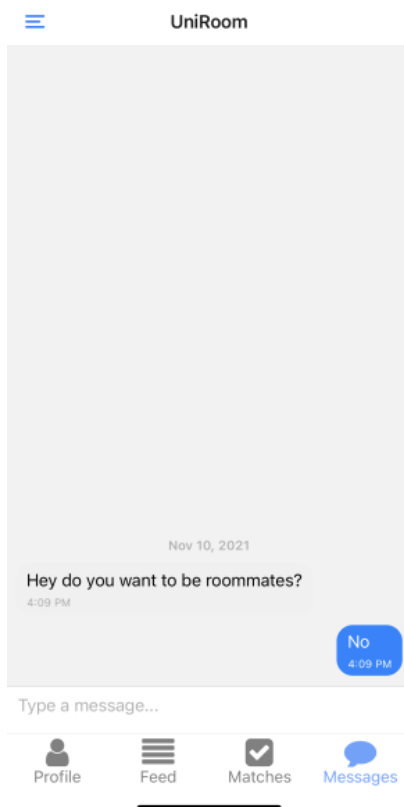


## Gifted chat (react native) notes

Package details: <https://www.npmjs.com/package/react-native-gifted-chat>

- Can automatically send delivered time – does not account for the actual time of delivery
  - Can pass values to delivery time, can delivery time be updated post-send?
  - Could attempt passing delivery time upon the “received == TRUE” status
  - Could attempt to hide until a received status change – observer event or context

Sample of delivery time with incorrect time:



Times can display for both users, so both ends need to be correct.

## Observer notes for sending read receipts/displaying time stamps

Observer package: <https://www.npmjs.com/package/react-intersection-observer>

Note: Had trouble with observers in context to Firebase email implementation. Auth listeners, and other observers will continue to live until they are deliberately killed. If an observer does not receive an event before the user logs out, then there needs to be an effort to deliberately kill it. Observers only work on a users' own device; thus, they do not listen for another user so something must be sent to a user (via the backends) to show that a message has been delivered or received.

- Database may need to send notification that a message was delivered to another user, thus an automatic refresh may need to be implemented to receive updates on database changes.