

Initial Connection

- open socket
- Server "AB" where A = 0 or 1 depending on if handle is required
B = 0 or 1 depending on if password is required
- Client sends "A,B,CD" where A is len(C)
B is len(D)
C is handle or "" if not required
D is password or "" if not required
- Server send either "invalid_password"
- OR -
"A;BBBBBB,C" where
A is the server name
BBBBBB is the theme color in Hex format
C is the url of the custom background or
NULL in N/A.

- Different Actions:
- 0 - NEW_MESSAGE
 - 1 - EDIT_MESSAGE
 - 2 - DELETE_MESSAGE
 - 3 - CLOSE_CONNECTION
 - 4 - LEAVE_SERVER

FROM SERVER

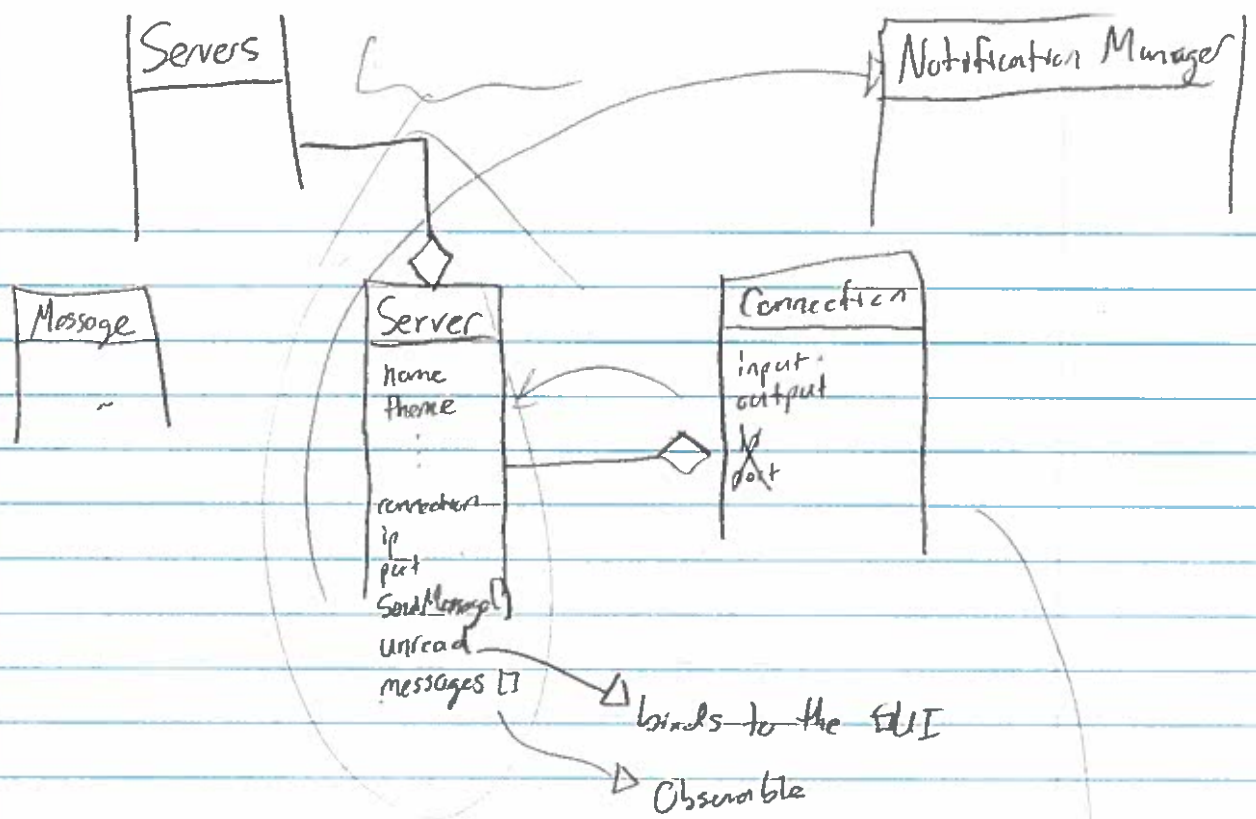
Types of Messages

- Text (0)
- Image (1)

#, id, type, handle, data
↑ ↑
type message
id
(used for edit & delete)

FROM
CLIENT

id, type, sender-handle, time, data
↑ ↑
of the message 0 or 1
time since
Unix Epoch
(System.currentTimeMillis()).



ObservableList<Message> messages = FXCollections.observableArrayList()

Messages

Socket

.addListener((observable, oldValue, newValue)

InputStream

OutputStream

{

writeBytes()

});

Thread:

listens to the input stream
and gives data to server
object.