COMPSYS302 Project B Indicative Marking Checklist

**Grade** Task/Feature Description **Done? C** Application runs following README instructions on Linux

Yes

Yes

User can log in

User can see who is currently online

Yes

User can see and edit their profile page

Yes

User can send, receive, and view messages and files with someone online

Yes

**B/B-** Automatically refreshing page (or refreshing content) and/or notifications

Yes

Yes

Good use of database(s)

Use of encryption/hashing/data security within the application (local) Retrieve profiles for other users, provide profiles to other users Displays confirmation of message receipt

Yes

Yes

Error Logging

Unicode support (including emojis)

Logs out from the server upon application exit

**B+/B** Read receipts (i.e. when the receiving human has loaded the message) Rate Limiting

Use of effective inter-app encryption/hashing/data security including handshake

Use of threading for communicating with login server regularly

Yes

Embedded viewers for image, audio, video, and PDFs

(Good) Page Templating

Yes

Modular and Pythonic code, including commenting and documentation

Yes

Group conversations

**A** Fallback P2P Networking if login server goes down

Multiple sessions (users) supported simultaneously

High standard encryption and hashing while maintaining user experience

Nice user interface (preferably compatible cross-browser) Offline Messaging (without login server)

Yes

2FA (Two Factor Authentication)

Delete/Clear messages on both sender and receiver side Fails graciously when interacting with substandard clients Defence against injection attacks

Yes

Yes

**Displays confirmation of message receipt** : indication message will appear at the top of the chatbox to tell user “lass message success” or “last message fail”

**injection attacks** : If the user received a javasript or html code as the message. They will be displayed as a normal message in the chat box.

Steven Yan

Hyan506

661784238

7/6/2018