

# WJ

CSC 4350: Software Engineering

September 12<sup>th</sup>, 2018

Fall 2018

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# Topic

Software to encrypt and decrypt  
communication (plaintext)

# Roles

Developer (Sprint 1): William K. Holley, IV

Developer (Sprint 1): Lee Klarich

Client (Sprint 1): Jawad Usman

Client (Sprint 1): Sydney Adams

Requirement ID #	Page	Build #	Description	Test Status	Bugs/Defects
1	Main Page		1 Shall contain a space to enter your username.	Tested	N/A
2	Main Page		1 Shall contain a button to host server.	Tested	N/A
3	Main Page		1 Shall contain button to join server.	Tested	N/A
4	Main Page		1 Shall contain space to enter IP Address of host.	Tested	N/A
5	Host Page		1 Shall contain a space to enter plaintext.	Tested	N/A
6	Host Page		1 Shall contain a window to view plaintext sent and received.	Tested	N/A
7	Host Page		1 Shall contain a "Send" button to initiate encryption and transmit encrypted content to client.	N/A	N/A
8	Host Page		2 Shall encrypt plaintext.	N/A	N/A
9	Host Page		2 Shall send encrypted text to client.	N/A	N/A
10	Host Page		2 Shall include date/time of transmission.	N/A	N/A
11	Host Page		2 Shall store information in a database for logging (proof of encryption).	N/A	N/A
12	Host Page		2 Shall receive encrypted text.	N/A	N/A
13	Host Page		2 Shall decrypt encrypted text.	N/A	N/A
14	Host Page		2 Shall post plaintext in window.	N/A	N/A
15	Host Page		2 Shall contain Plaintext, Date/Time, and Username of Sender.	N/A	N/A
16	Host Page		2 Shall contain "End" button that closes the application.	N/A	N/A
17	Host Page		2 Shall print out contents from the database onto a text file (encrypted chat log).	N/A	N/A
18	Client Page		3 Shall contain a space to enter plaintext.	N/A	N/A
19	Client Page		3 Shall contain a window to view plaintext sent and received.	N/A	N/A
20	Client Page		3 Shall contain a "Send" button to initiate encryption and transmit encrypted content to client.	N/A	N/A
21	Client Page		3 Shall encrypt plaintext.	N/A	N/A
22	Client Page		3 Shall send encrypted text to Host.	N/A	N/A
23	Client Page		3 Shall include date/time of transmission.	N/A	N/A
24	Client Page		3 Shall store information in a database for logging (proof of encryption).	N/A	N/A
25	Client Page		3 Shall receive encrypted text.	N/A	N/A
26	Client Page		3 Shall decrypt encrypted text.	N/A	N/A
27	Client Page		3 Shall post plaintext in window.	N/A	N/A
28	Client Page		3 Shall contain Plaintext, Date/Time, and Username of Sender.	N/A	N/A
29	Client Page		3 Shall contain "End" button that closes the application.	N/A	N/A
30	Client Page		3 Shall print out contents from the database onto a text file (encrypted chat log).	N/A	N/A
31	Page Integration		4 Shall integrate all pages	N/A	N/A