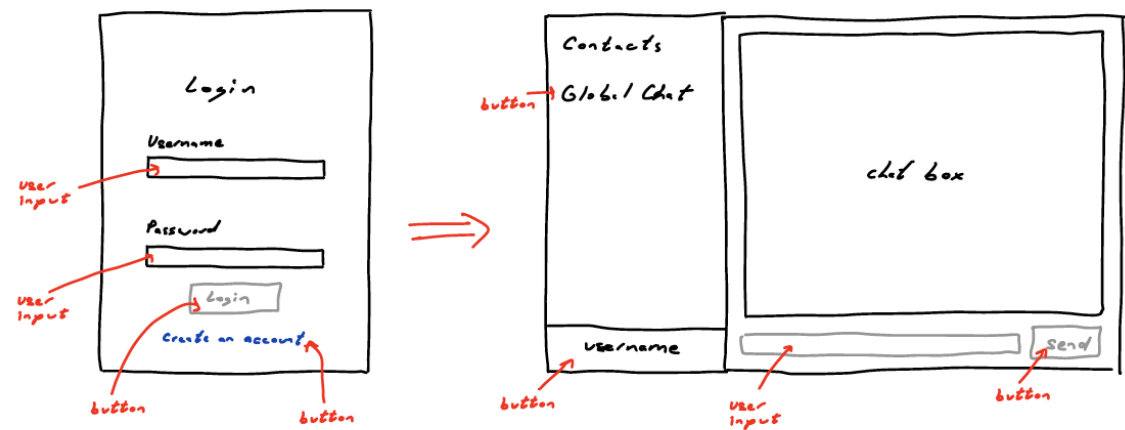


Group 1, Iteration 2, Task 1 & 2

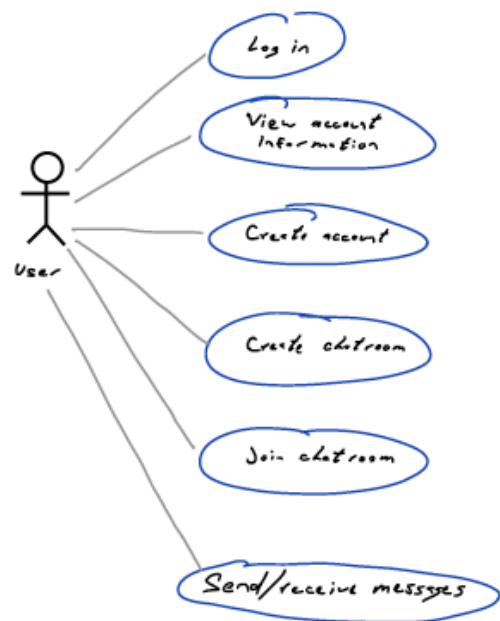
Task 1a:

Active	Requirements ID	F/NF	Requirements Text	Allocated to	Tested by	Implemented	Tested
Y	BE-001	F	A user shall be able to login with an existing credential.	process_login() login_request()			
Y	BE-002	F	A user shall be able to create an account to log into the WebChat application.	createAccount() signup_request() connectDB() resetDB()	TBD, Iteration 3	X	TBD, Iteration 3
Y	FE-001	F	A user shall be able to send and receive messages within the WebChat application	onMessage()	TBD, Iteration 3	X	TBD, Iteration 3
N	FE-002	F	A user shall be able to create a new chatroom.	N/A	TBD, Iteration 3		TBD, Iteration 3
N	FE-003	F	A user shall be able to join an existing chatroom.	onOpen()	TBD, Iteration 3		TBD, Iteration 3
Y	FE-004	F	A user shall be able to log out of the WebChat application	onClose()	TBD, Iteration 3		TBD, Iteration 3
Y	FE-005	F	A user shall be able to know if another user is typing.	typing_status_request()	TBD, Iteration 3		TBD, Iteration 3
Y	FE-006	F	A button shall send the users text to the chat box.	msg_btn()	TBD, Iteration 3	X	TBD, Iteration 3
Y	FE-007	F	A button shall log the user out of the webchat application.	logout()	TBD, Iteration 3	X	TBD, Iteration 3
Y	FE-008	F	A button shall log the user in if they have an account with the webchat application.	login()	TBD, Iteration 3	X	TBD, Iteration 3
Y	FE-009	F	A user shall be able to enter their name in a username text field as part of the login process.	login_form()	TBD, Iteration 3	X	TBD, Iteration 3
Y	FE-010	F	A user shall be able to enter their password in a password text field as part of the login process.	login_form()	TBD, Iteration 3	X	TBD, Iteration 3
Y	FE-011	F	A chat box shall display all sent texts from users.	formToChatPage()	TBD, Iteration 3	X	TBD, Iteration 3
Y	FE-012	F	A button shall take a potential user to a sign up page to create an account for the webchat app.	signup_form() switch_form()	TBD, Iteration 3	X	TBD, Iteration 3
Y	BE-003	F	Chatroom messages shall be sent to all users within the same chatroom.	onMessage()	TBD, Iteration 3	X	TBD, Iteration 3
N	BE-004	F	The WebChat application shall support multiple chatrooms	N/A	TBD, Iteration 3		TBD, Iteration 3
Y	REQ-001	NF	The WebChat HTTP Server will use port 8080.		TBD, Iteration 3	X	TBD, Iteration 3
Y	REQ-002	NF	The WebChat WebSocket will use port 8081.		TBD, Iteration 3	X	TBD, Iteration 3
Y	REQ-003	NF	The WebChat backend application will be written in Java		TBD, Iteration 3	X	TBD, Iteration 3
Y	REQ-004	NF	The WebChat frontend application will be written in a combination of HTML, CSS, and JavaScript		TBD, Iteration 3	X	TBD, Iteration 3

Task 1b: UI Mock up



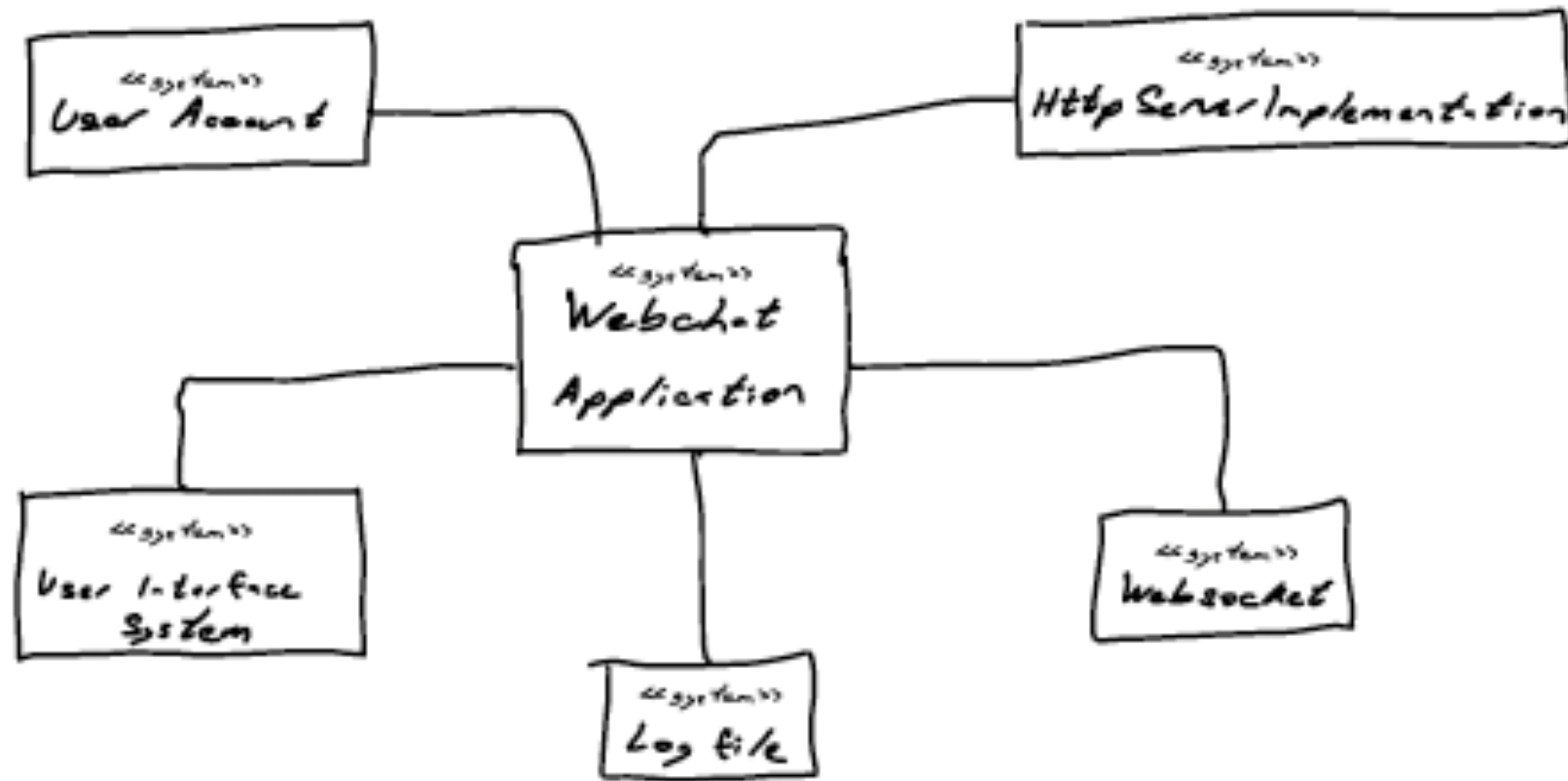
Task 1c: Use Cases



Task 2a: Introduction

This WebChat application will allow a user to log in and gain access to multiple chatrooms. Inside a chatroom, a user is able to communicate with other verified users in that a user is able to send a receive text messages. A user will also have access to create and interact in new chatrooms. This document will visually describe the interaction between different components of the WebChat application.

Task 2b: Context Diagram



Task 2c: Class Diagram

