Test Plan

Web Chat Client with Chatbot

25ᵗʰ January 2017

Team 8

Atul Aneja, Jalaleldeen Aref, Tarang Khanna, Wyatt Larkey, and Joel Van Auken

Use Cases

ID/Class	Instructions	Expected Result
Create User 001 Severity 1	**User enters valid username (and optional password and email) when first entering the web app.**	**The server saves important information and redirects user to the chat hub.**
Create User 002 Severity 1	**User enters username already in use or an invalid email address or password.**	**The user is notified of the error and is asked to provide information again.**
Create User 003 Severity 3	**User enters username that is the maximum allotted length (32 characters).**	**The user's login goes through successfully.**
Create User 004 Severity 3	**User enters username that is one more than the maximum allotted length (33 characters).**	**The user receives a notification that their username is too long and does not log in.**
Secure User 001 Severity 2	**User logs in and specifies a password that will need to be entered to use a given username.**	**The Server logs the user in and prevents anyone else from using that username without the password.**
Secure User 002 Severity 2	**User logs in and specifies an incorrect password for a given username**	**The Server disallows logging in as that user.**
Secure User 003 Severity 2	**User enters password (when creating an account) that is below the maximum allotted length (7 characters).**	**The user receives a notification that their password is too short and does not log in.**
Secure User 004	**User enters password (when creating an account) that is the minimum allotted**	**The user's login goes through successfully.**

Severity 2	length (8 characters).	
Secure User 005 Severity 3	User enters password (when creating an account) that is the maximum allotted length (15 characters).	The user's login goes through successfully.
Secure User 006 Severity 3	User enters password (when creating an account) that is one more than the maximum allotted length (16 characters).	The user receives a notification that their password is too long and does not log in.
Join Room 001 Severity 1	User selects a chatroom to enter that has no password protection.	The Server allows the user to enter the chatroom.
Join Room 002 Severity 1	User selects a chatroom to enter that has password protection. The user enters a correct password.	The Server allows the user to enter the chatroom.
Join Room 003 Severity 1	User selects a chatroom to enter that has password protection. The user enters an incorrect password.	The Server does not allow the user to enter the chatroom.
Post Text 001 Severity 1	A user successfully enters a chat room and types a message in the chat bar and presses the send button	The message gets sent correctly to the server and shows up to everyone in the chatroom.
Post Text 002 Severity 2	A user successfully enters a chat room and types NOTHING and presses the send button	The server should see that no text was sent and not display anything.
Post Text 003 Severity 3	A user types more than the allotted maximum characters in the chat bar and presses the send button	The server should not display anything and inform the user the message was too long.
Bot Chat 001 Severity 1	A user is in any chatroom and sends a command tagging the bot in the chatroom. The command is typed correctly.	Server should get the message and bot should reply back in the same chatroom.
Bot Chat 002 Severity 2	A user misspells the bot tagging command and presses send.	The server should not respond to invalid tags and bot requests.
Create Room 001 Severity 1	When a user is in the application and clicks create room, he selects some options and clicks create.	The Server creates a room per the specifications of the user.

Create Room 002 Severity 1	**A user clicks create room, but cancels before confirming on the next window.**	**The Server should not create a room.**
Password Protect Room 001 Severity 2	**A user selects password protection when creating a room, defines a valid password (8-15 chars), and then selects create.**	**The Server creates a room that requires password protection to enter.**
Password Protect Room 002 Severity 2	**A user** selects password protection when creating a room, defines a 7 character password, selects create.	**Server tells user the password is invalid, does not create the room.**
Password Protect Room 003 Severity 2	**A user** selects password protection when creating a room, defines a 8 character password, selects create.	**Server initializes the room with the valid password as a requirement to enter.**
Password Protect Room 004 Severity 2	**A user** selects password protection when creating a room, defines a 15 character password, selects create.	**Server initializes the room with the valid password as a requirement to enter.**
Password Protect Room 005 Severity 2	**A user** selects password protection when creating a room, defines a 16 character password, selects create.	**Server tells user the password is invalid, does not create the room.**
Guest Access 001 Severity 2	**A user accesses the web app, makes a username, and selects to continue as a guest.**	**The Server makes allows the guest to access chat rooms with their username without needing additional information.**
Guest Access 001 Severity 2	**A user accesses the web app, makes a username that is already in use by a registered user, and selects to continue as a guest.**	**The Server informs the user that the username is already taken and cannot be used.**
Reset Password 001 Severity 1	**A user forgets their password and hits the 'forgot email' button on the login page. Enters email that is in the application's database.**	**The Server sends an email to that email address reminding the user what their password is.**
Reset	**A user forgets their password and hits the**	**The Server sends a notification**

Password 002 Severity 1	'forgot email' button on the login page. Enters email that is <u>NOT</u> in the application's database.	to the user that the email address they specified is not in our databases, the account does not exist.
Chat Links 001 Severity 2	A user copies a link and pastes it into the chat bar and posts the link in the chat room.	The link directs to the page in question by clicking the text.
Chat Links 002 Severity 2	A user receives a link in the chat room from another user.	The link directs to the page in question by clicking the text.
Chat Tags 001 Severity 3	A user tags another user and sends a message to the chatroom.	The user who was tagged receives a notification about the message.
Chat Tags 002 Severity 3	A user tags another user, but misspells their name and sends a message to the chatroom.	The sending user is informed that the tag wasn't sent to anyone because the specified username was not in the chatroom.
Chat History 001 Severity 3	A user enters a chat room, <u>posts</u> a few messages, leaves the chat room, and then returns to the chat room.	The messages posted in the previous session will still appear to the user in the order they were posted.
Chat History 002 Severity 3	A user enters a chat room, <u>recieves</u> a few messages from another user, leaves the chat room, and then returns to the chat room.	The messages posted in the previous session will still appear to the user in the order they were posted.
Chat History 003 Severity 3	A user enters a chat room where a conversation has been already going for some time.	The last few messages posted in the chatroom will be visible to the user just entering even though he wasn't in the room when they were posted.
Meaningful Bot 001 Severity 1	A user asks the chat bot for current stock price of a valid stock (traded on the NYSE).	The bot replies with the real time current price for the same stock.
Meaningful Bot 002 Severity 2	A user asks the chat bot for current stock price of a stock, but does not specify the name of the stock.	The bot replies asking for the stock name.
Meaningful	A user asks the chat bot for current	The bot replies with the real time

l Bot 003 Severity 1	feelings for a stock. The user specifies the stock's name.	feelings for the same stock.
Meaningful Bot 004 Severity 2	A user asks the chat bot for current feelings for a stock. The user <u>does not</u> specify the stock's name.	The bot replies asking for the stock name.
Meaningful Bot 005 Severity 1	A user asks the chat bot for predicted price for a stock traded on NYSE. The user specifies a stock name.	The bot replies with the real time predicted price for the same stock.
Meaningful Bot 006 Severity 2	A user asks the chat bot for predicted price for a stock traded on NYSE. The user <u>does not</u> specify a stock name.	The bot replies asking for the stock name.
Chat User Status 001 Severity 2	A user enters a chat room.	The Server shows all other current users in that chat room in a window by the chat area.
Chat User Status 002 Severity 2	A user enters a chat room, leaves that room, and enters another.	The server clears the chat users window of users from the previous room and only shows users in the current room.