
Seeded-Defects Log

Web Chat Client with Chatbot

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Team 8

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Instructions for How to Run Chatbot Web Application

Our Application is designed to be run in any popular desktop browser, chrome or firefox should work just fine. Our website is hosted at <https://stockbotmessenger.herokuapp.com> All modules are hosted online, so no setup is required. Everything you should need to test Chatbot will be at the link.

Defect Log

Defect No.	Defect	Output Before Seeding	Output After Seeding	Suggested Correction	Black/White Box Testing	Severity
1	Application currently does not display all users in a given room.	Application UI displays the usernames of all users in a room.	No usernames are displayed.	Check that the server is reporting the users names via socket.io	Black box	2
2	Application accepts strings of length equal to zero and displays them in the chat bar.	Messages with no characters are ignored by the application.	Empty messages are displayed.	Check to make sure that messages have at least 1 character before displaying anything.	Black Box	3
3	Application accepts usernames with length equal to zero.	The Application would ignore any text entry that did not have at least 1 character.	The Application accepts an empty string as an acceptable username.	Check to make sure that usernames have at least 1 character before displaying anything.	Black Box	2

4	User switches rooms, but the chat history and new messages come from the original room.	When the user switches from one room to another, certain chat elements are reloaded and old messages are cleared.	After switching rooms, the user still sees messages from the previous room(s).	Change the function that handles room switching to handle the switch by reloading the chat buffer of the given room.	Black Box	1
5	The total count of users in a room is off.	The application keeps an accurate measure of the total current users.	The application is off by 1 when displaying the number of users in a room.	Make sure the counter is initialized correctly, and increments and decrements are handled cleanly.	Black Box	2
6	Username starting with the letter J are not accepted	The application would accept usernames starting with "j"	The application will inform the user that their username is unavailable	Remove user name checking	Black Box	2
7	Users can use SQL injection in username	Users can not access information about the application using SQL injection	Users can access information about the application using SQL injection	Protect against sql injection	Black Box	1
8	Messages are limited to 300 chars	The application does not have a char limit	The application wont send messages longer than 300 chars	Ensure that there is either no char limit, or inform users of the limit	Black Box	2
9	Every 3rd message, the text	The application does not	After every 3rd message,	Remove text coloring altogether	Black Box	2

	color changes	change text color	the text color changes			
10	“Cloud to butt”	The application parses “cloud” normally	Every time the user types the word cloud, the application changes it to butt	Remove the cloud to butt	Black Box	3
11	Page refreshes every few seconds and message gets erased. Only while using firefox.	Output display doesn't refresh.	Output display does refresh.	Check compatibility with the browser.	Black Box	2
12	Send button needs to hit twice sometimes.	Message is sent when send is hit once.	Message is sent when send is hit twice.	Check the message send function.	Black Box	3
13	Avatar for the users don't show.	Avatars do display.	Avatars don't display.	Check the avatar file usage in functions.	Black Box	3
14	Message box covers the chat room.	Message box does not hide part of the chat room.	Message box does hide part of the chat room.	Check css of the message box.	Black Box	2
15	@ tagging of bot does not get highlighted sometimes.	@ tagging always works.	@ tagging doesn't work sometimes.	Tagging function's tagging feature of highlighting should be fixed.	Black Box	3
16	After a message is	Username appears in	Username does not	Check the send message function,	Black Box	2

	sent, the sender's username does not appear in the message box	the message box after the user has sent a message.	appear in the message box after the user has sent a message.	make sure the name of the user is appended to the message before being sent		
17	After a message is sent, the message content does not appear in the message box	Message content appears in the message box after the user has sent a message.	Message content does not appear in the message box after the user has sent a message	Make sure that the message typed in the message bar is parsed by the program and displayed on screen.	Black Box	1
18	User cannot make more than one room.	User can create more than one room.	User can only create one room.	Make sure the server can handle creating an arbitrary number of rooms.	Black Box	1
19	Sometimes usernames displayed are only part of the actual username.	ALL usernames are displayed properly.	Some usernames over a certain length are cut off and only display the first n characters.	Make sure variables for storing characters have enough space for long strings.	Black Box	2
20	Application accepts empty room name.	If a user enters an empty room name then the application does not add it to the room list	if a user enters an empty room name during creating a room, the application adds it to the room list creating empty spaces where the room lists	in the create room function, make sure that the name of the new room is not empty	Black Box	2

			are shown			
21	On connection to the application, user receives notifications for all the messages ever sent in the application	on connection user does not receive any notifications, only when the user is logged in and there is a message does the user receive a notification	on connection user is bombarded with messages from past in form of notifications	to correct this look at new message arrival and do not notify user if it is an old message being loaded from the database.	Black Box	2
22	a URL sent in the chat room is not highlighted if it is accompanied by other text	a URL sent in the chat room is highlighted if accompanied by other text and also highlighted if it is the only text sent in the message	a URL sent in the chat room is not highlighted if it is accompanied by other text	Check the regex of detection for of URL within a message	Black Box	1
23	Application accepts passwords of length 0.	The Application would ignore any text entry that did not have at least 1 character.	The Application accepts an empty string as an acceptable password	check to make sure passwords are longer than 0 characters.	Black Box	1
24	Application accepts duplicate room name.	Application does not accept a duplicate room name.	On entering a duplicate room name, the application adds it to the room list with the other	Before adding room name to room list check if the name already exists in the list.	Black Box	1

			duplicate still in the list.			
25	Sometimes the stockbot replies with "currently unavailable" instead of the replying the question it was given	Bot always replies with the right answer expected for a given query	Bot sometimes replies with "currently available"	Check heroku hosting, need to restart heroku dynos sometimes.	Black Box	2