

| • | As a user, I would like the chatbot to respond to completely unintelligible input with a message like "I do not understand what you are saying" so that I can retry nlp query | F |
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| • | As a user, I would like the 'Enter' key to input a query, so that I don't have to use my mouse to click the enter button interface | K |
| • | As a user, I would like the input bar to clear itself but remain selected when I input a query so that I don't have to do that myself for the next input ${\it \romega}_{\rm o}$ 1 interface | K |
| • | As an administrator, I would like users to be prevented from sending multiple follow up questions while the chatbot is 'thinking', so that the chatbot can finish answering the initial question $\c Q_o$ 1 interface | K |
| • | As a developer, I would like separate routing solutions so that I can differentiate which service is being used $\c 0$ back-end | K |
| • | As a developer, I would like the back-end to be separate from the front-end application to process the data in a different environment $\c 0.3$ back-end | F |
| • | As a user, I would like to be greeted by the chatbot (greeting plus prompt/instructions) upon loading up the usage screen so that I know what to do to start the interaction interface | |
| • | As a user, I would like last 50+ messages to be stored so that I can scroll through the chatbot interaction \c° | × |
| • | As a user, I would like the webpage to have a desktop and mobile version so that it will be properly formatted on all of my devices. \bigcirc 2 interface | K |
| • | As a user, I would like to have the software open to a starting menu so that I can navigate to the Brock University or Canada Games version of the software $% 2$ interface | K |
| • | As an administrator, I would like the software's design to avoid bright flashing and quickly changing colours to protect users with epilepsy $\c 0.1$ safety | K |
| • | As a user, I would like a return button to so that I can return to the starting menu $\c 0.1$ interface | × |
| • | As a developer, I'd like the application to be easily deployable to a server with all required dependencies $\frac{1}{2}$ back-end | × |
| • | As a user, I would like the chatbot to attempt to respond to difficult questions using general keywords so that I can rephrase my question or be pointed in the right direction to find the answer myself ${\color{red} \mathbb{Q}_{\circ}} 2 \equiv \text{nlp} \text{query}$ | F |

| • | As a user, I would like the chatbot to be able to recognize most minor typos or misspellings so I don't have to waste time rephrasing obvious mistakes ${}^{\circ}\!$ | |
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| • | As a developer, I would like clean code so that the system is maintainable and reusable $\ensuremath{\mathbb{Q}}_{o}1$ development task | F |
| • | As a user, I don't want the chatbot to store any user data for security reasons security | F |
| • | As a user, I would like the app to communicate over HTTPS so that my communications cannot be read in plaintext over the network security | F |
| • | As a user, I would like user interface interactions to take roughly 0.1 seconds so I don't have feel like I'm waiting too long performance | F |
| • | As an administrator, I would like the software to have a modular design so that future updates may add other languages $\%$ 3 | F |
| • | As a user, I would like to access the software from the web $\c 0.2$ | K |
| • | As a user, I would like the UI to have a professional-looking and functional look so that the software has a quality feel $\c 0.2$ interface | F |
| • | As a user, I would like the chatbot to respond appropriately to properly worded questions so that I get an answer to my question $\bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc$ nlp query | F |
| • | As a user I would like to receive answers to my queries that are based on current/updated data \bigcirc 4 query | F |
| • | As a user, I would like intensive tasks to on average take less than 5 seconds (no more than 10 seconds) so I don't have feel like I'm waiting too long $\c 0.1$ | F |
| • | As a user, I would like the input bar to grow in size when I type a message longer than the bar's width so that I can read the entire query interface | F |
| • | As a user, I would like a "Help Me" button so that I can understand how to use the chatbot $\ \mathbb{Q}_{\circ} 2 $ | F |
| • | As a student, I would like to know what building codes mean so that I can navigate the campus better | F |
| • | As a user, I would like to be notified when the chatbot's services are inaccessible due to no internet connection (30 seconds with no progress) so that I know why the chatbot isn't working $\[\mathbb{Q}_{o} \]$ operating environment | – |

| • | As a system administrator, I would like the software to be reliable and well tested, so that I can be sure that it will run as expected $\c 0,5$ = security testing | |
|----------|---|----------|
| • | As a prospective student, I would like information regarding program so that I know what Brock has to offer | F |
| • | As an administrator, I would like a support email made available to the users so that they can make their questions or concerns known $2 2$ interface | = |
| • | As a user, I would like some form of video documentation made available explaining how to use the software so that I can understand how to use the chatbot $2 2$ documentation | _ |
| ▶ ■ | As a user, I would like the software to be compatible with all standard browsers (Google Chrome, Internet Explorer, Microsoft Edge, Firefox, Safari and Chromium) so that I have a high chance of being able to access the software with my personal device $\ensuremath{ \% }$ operating environment | |
| • | As a user, if I am using a mobile device, I want the keyboard to close automatically if I open the options menu interface | _ |
| • | As a user, I would like the software to be compatible with less common browsers (Opera, UC Browser, Yandex Browser, Maxthon, Vivaldi) so that I can be sure that I will be able to access the software with my personal device \c° 1 operating environment | |
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