**Test Case VS00001**

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| **Test Case Name/ ID** | VS00001 | **Software Name/ Version** | **Chomp Sci 1.0** |
| **Revision Date** | 03/15/2023 | **Last Author** | **Robert Caplin** |
| **Requirements** | R1. The chatbot should work on modern browsers. | | |

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| **Pre-test Data/ Scripts** | N/A |
| **Post-test Output** | Pass on Desktop and Mobile Chrome. |

**Test pre-requisites and setup notes:**

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| A URL pointing to the Chomp Sci test webserver.  The first entry describes test results on desktop (windows) Chrome.  The second entry describes test results on mobile (Android) Chrome. |

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|  | **Step Description** | **Expected Result** | **Actual Result** |
|  | Navigate to the Chomp Sci test webserver. Record the URL used for testing. | You can access the Chomp Sci project page and load it in your browser. | 1. URL used: <https://www.chompsci.com/>. Web page is accessible from Chrome desktop.  2. URL used: <https://www.chompsci.com/>. Web page is accessible from Chrome mobile. |
|  | A button to open the chat widget is visible at the bottom right corner of the browser window. A call to action “Try it now!” tag is also visible above the button.   NOTE: The call to action will not be displayed after opening the chat widget. If you do not see the call to action, refresh the page. | The button to open the chat widget is visible at the bottom right of the browser window. The “Try it now!” tag is visible above the button before opening the chat widget. | 1. Orange chat widget button is visible at the bottom right. “Try it now!” tag is visible above the button  2. Orange chat widget button is visible at the bottom right. “Try it now!” tag is visible above the button. Displays properly, but there is no margins for the button on Mobile. |
|  | Open the Chomp Sci chat widget by clicking the button at the bottom right of the browser window. | You can open the Chomp Sci chat widget. | 1. Chat widget opens properly.  2. Chat widget opens and covers the whole screen. |
|  | Verify that the button at the bottom right of the browser window changes, indicating that clicking it will close the widget. | The button to close the chat widget is visible at the bottom right of the browser window. | 1. Button at the bottom right is now blue with an ‘x’ icon on the chat logo.  2. Button at the bottom right is now blue with an ‘x’ icon on the chat logo. |
|  | Close the chat widget by clicking the button at the bottom right of the browser window. | The chat widget closes, the button at the bottom right of the browser window reverts back to the open button. The call to action tag, “Try it now!”, is no longer visible. | 1. Chat widget properly closed, button reverts back to orange chat logo with no ‘x’ icon. Call to action tag is no longer visible.  2. Chat widget properly closed, button reverts back to orange chat logo with no ‘x’ icon. Call to action tag is no longer visible. |
|  | Open the chat widget by clicking the button at the bottom right of the browser window. | You can open the Chomp Sci chat widget. | 1. Chat widget opens properly.  2. Chat widget opens properly. |
|  | Type the following into the text entry field at the bottom of the widget, then click the “send” button to its right:   “hello” | Your message, “hello”, should display in the chat log in the top portion of the chat window. The message should appear in a blue chat bubble at the right of the chat log.   The response from the chat bot should be a greeting displayed in orange at the opposite side of the chat window. An avatar of the chatbot should accompany the response. | 1. “hello” displays on the right side of the window in a blue chat bubble. The response has an avatar icon with an orange chat bubble saying ‘Hey! How are you?” on the left side of the window.  The text entry field also reverts to ‘Ask Chomp a question…’  2. “hello” displays on the right side of the window in a blue chat bubble. The response has an avatar icon with an orange chat bubble saying ‘Hey! How are you?” on the left side of the window.    The text entry field also reverts to ‘Ask Chomp a question…’  On Mobile, the top portion of the chat window is covered by the top of the Chrome UI and you need to scroll to see properly. |
|  | Type the following into the text entry field at the bottom of the widget, then click the “send” button to its right:   “Tell me about CS history.” | Your message and the chatbot’s response should be displayed as described in the previous step.   In addition to some information relevant to CS history, a button reading “What happened next?” should also be displayed in the chat log. | 1. Messages are displayed as described in the previous step.  “What happened next?” orange-outlined button appears on the right side of the window.  2. Messages are displayed as described in the previous step.  “What happened next?” orange-outlined button appears on the right side of the window. |
|  | Click the “What happened next?” button. | A “quick link” reading “/faq/leibniz” should be displayed inside a blue chat bubble in the chat log.   A response from the bot discussing Leibniz should be displayed as described in previous steps, along with another button. | 1. ‘/faq/leibniz’ appears in a blue chat bubble in the window.  A response discussing Leibniz and another button appears, but this button is “what happened next?” (not capitalized at the beginning).  2. ‘/faq/leibniz’ appears in a blue chat bubble in the window.  A response discussing Leibniz and another button appears, but this button is “what happened next?” (not capitalized at the beginning). |
|  | Type the following into the text entry field at the bottom of the widget, then click the “send” button to its right:   “<message that returns an image attachment>”  Messages used:  “hello” followed by “sad” |  | 1. Typing ‘hello’ followed by ‘sad’ will show an image from the chat bot.  An image of a tiger cub should appear, which is oversized compared to the window, and requires the user to scroll to view other parts of the image.  2. Typing ‘hello’ followed by ‘sad’ will show an image from the chat bot.  An image of a tiger cub should appear, which is oversized compared to the window, and requires the user to scroll to view other parts of the image. |
|  | Click the button at the bottom right of the browser window to close the chat widget. | The chat widget closes. | 1. The chat widget closes properly.  2. The chat widget closes properly. |
|  | Click the button at the bottom right of the browser window to open the chat widget. | The chat widget opens. The previous conversation has been cleared. | 1. The chat widget opens and the previous conversation has been cleared properly.  2. The chat widget opens and the previous conversation has been cleared properly. |
|  | Type the following into the text entry field at the bottom of the widget, then click the “send” button to its right:   “goodbye” | The farewell response from the chatbot is displayed as described in previous steps. | 1. The chatbot sends a farewell response “Bye”.  2. The chatbot sends a farewell response “Bye”. |

**Validation:**

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| *You can complete the test case successfully. The project page and the Chomp Sci chat widget are usable and function as described.* |

**Test Log**

| **Date** | **Configuration** | **Tester** | **Result or Issue** | **Result** |
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| 03/20/2023 | 1. Chrome Version 111.0.5563.65 (Official Build) (64-bit) browser on Desktop Windows 10.  2. Chrome version 111.0.5563.57 browser on Mobile (Android Samsung Galaxy S21+) | Christopher Schmidt | 1. Pass. The chatbot properly follows the outcome of each test case on both Chrome. If you follow the steps described exactly, they will give you the outcome correctly.  One issue when you don’t follow the steps exactly: If you use ‘Enter’ rather than clicking the ‘send’ button manually, there will be a white space in the text box that you need to clear. Although, this doesn’t significantly interfere with any functionality.  2. Pass. Although there are some marginal errors (such as spacing on the button), it does not affect functionality and the goals of the test. | *1. Pass*  *2. Pass* |

***Instructions:*** *Complete ‘Actual Result’ column, overwriting any previous entries while working through test case. When the test is completed insert a new row at the top of the test log and include a description of the issue if the test failed. Remember to update the revision date and author if you have made other changes to the test case.*