**VS00006**

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| **Test Case Name/ ID** | VS00006 | **Software Name/ Version** | **Chomp Sci 1.0** |
| **Revision Date** | 04/17/2023 | **Last Author** | **Robert Caplin** |
| **Requirements** | R6. The chatbot should attempt to steer off-topic conversations to in-scope topics. | | |

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| **Pre-test Data/ Scripts** | N/A |
| **Post-test Output** | Pass. The bot properly steers the user from off-topic conversation and suggests known conversation topics. |

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

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| A URL pointing to the Chomp Sci test webserver.  **NOTE**: There may be some variation in Chomp’s responses. The intent behind much of this test case is merely to ensure that Chomp is able to respond to off-topic conversation. See validation notes at the end of the test case. |

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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. | Page properly loads on Chrome browser. |
|  | Open the Chomp Sci chat widget by clicking the button at the bottom right of the page. | You can open the Chomp Sci chat widget.  Chomp greets you with the message:  “I'm Chomp, the computer science chat bot! Would you like to talk about computer science or about the University of Florida?” | Outputs as expected. |
|  | Ask Chomp:  “Let’s talk about Computer Science.” | “While there is no official definition of Computer Science, one way to view it is as the study of computation. This includes the study of:  - What can and cannot be solved through step by step processes called algorithms  - How to calculate and improve the efficiency of these processes  - How to solve practical computing problems like designing and building software  Why are you interested in computer science?” | Outputs as expected. |
|  | Ask Chomp:  “I’m not.” | “Ok. Do you have any other questions about computer science or the University of Florida?” | Outputs as expected. |
|  | Ask Chomp:  “No... what do you know about pokemans?” | “I'm Chomp Sci, a chatbot designed to answer questions about studying Computer Science at the University of Florida.”  “Do you have any more questions?” | Outputs as expected. Although this response seems a little strange. |
|  | Ask Chomp:  “nah” | “Ok. Do you have any other questions about computer science or the University of Florida?” | Outputs as expected. |
|  | Ask Chomp:  “no” | “Goodbye and thanks for chatting with Chomp, the Computer Science Chatbot!  I'm going to reset myself now just in case you change your mind and have more questions.”  “I'm Chomp, the computer science chat bot! Would you like to talk about computer science or about the University of Florida?” | Outputs as expected. |
|  | Ask Chomp:  “What can you tell me about UF?” | “Are you already familiar with the University of Florida?” | Outputs as expected. |
|  | Ask Chomp:  “How do I join a fraternity?” | “I'm Chomp, the computer science chat bot! Would you like to talk about computer science or about the University of Florida?” | Outputs as expected. |
|  | Ask Chomp:  “What is there to do in Gainesville?” | “Sorry, I don't quite understand your question... try rephrasing, or ask about one of these topics.”  -> quick-links to 3 randomly selected topics from the database | Outputs as expected with three quick links. |
|  | Ask Chomp:  “Have you ever been to FEST?” | “Sorry, are we still talking about the University of Florida? I can tell you about tuition, enrollment, credit hours, and more!”  -> quick-links for some in-scope topics | Outputs as expected with three quick links. |
|  | Ask Chomp:  “What do lawyers do?” | “I don’t know anything about lawyers... try asking about one of these careers.”  -> quick-links for 3 randomly selected careers | Outputs as expected with three quick links. |
|  | Ask Chomp:  “What is an ENT anyway?” | “Sorry, I don’t understand what you want. Try rephrasing your question.”  -> quick-links to some in-scope topics | Slightly different response: “Sorry, are we still talking about the University of Florida? I can tell you about tuition, enrollment, credit hours, and more!”  Followed by three quick links. |
|  | Ask Chomp:  “Tell me about CHM 2045.” | “I don’t know of any classes with the code CHM 2045... try rephrasing, or ask about one of these classes.”  -> quick-links to some randomly selected classes from the database  “Are there any other classes or topics you have questions about?” | Outputs as expected with three quick links to classes. |
|  | Ask Chomp:  “Is there anything you can help me with?” | “I can answer basic questions you might have about studying Computer Science at the University of Florida. Some Computer Science topics I can discuss include:”  -> a definition -> a history -> related careers -> required coursework -> sub-topics  “Do you have any other questions?” | Outputs as expected. |
|  | Ask Chomp:  “Who are you?” | “I’m Chomp Sci, a chatbot designed to answer questions about studying Computer Science at the University of Florida.”  “Any other questions I can help you with?” | Outputs as expected. |
|  | Ask Chomp:  “Why were you made?” | “Team Voltaic Sparrow made me as part of their Spring 2023 Senior Project for CIS 4914. My goal is to answer basic questions about studying Computer Science at the University of Florida.”  -> CIS 4914  “Do you have any other questions?” | Outputs as expected. |

**Validation:**

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| Chomp attempts to respond to off-topic conversation. Chomp will offer suggested conversation topics in some cases to try to return to in-scope conversation. |

**Test Log**

| **Date** | **Configuration** | **Tester** | **Result or Issue** | **Result** |
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| 04/17/2023 | Chrome Version 111.0.5563.65 (Official Build) (64-bit) browser on Desktop Windows 10. | Christopher Schmidt | Pass. The bot properly steers the user from off-topic conversation and suggests known conversation topics. | *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.*