**Test Cases**

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1. User asks about internship opportunities in computer science and the chatbot offers relevant information and resources.
   1. Pass: The chatbot provides correct information about possible internships.
   2. Fail: The chatbot provides outdated or irrelevant internship information.
2. User specifies a major and career goals and the chatbot recommends a relevant set of courses.
   1. Pass: Recommended courses align with the major and career goals.
   2. Fail: Chatbot offers courses that they’ve already taken and does not outline with career goals or major goals.
3. User inputs their desired semester course load and preferences and the chatbot suggests a balanced course load.
   1. Pass: The suggested course load is balanced and fits the user's preferences.
   2. Fail: The suggested course load does not align with user’s preferences.
4. The chatbot interacts with an external database for course information and the data exchange between the chatbot and the database is smooth.
   1. Pass: Data is correctly iterated to the chatbot output to find the correct solution.
   2. Fail: The chatbot encounters data retrieval or update errors.
5. User wants to enroll in a course without the necessary prerequisites and the
   1. Pass: Chatbot informs the user about the missing prerequisites.
   2. Fail: The Chatbot fails to recognize the prerequisites or provides incorrect information.
6. User selects question prompts.
   1. Pass: The prompt is collected.
   2. Fail: The prompt was selected but no data was stored.
7. Users access the web application using mobile devices and the web application adapts to mobile screens for optimal user experience.
   1. Pass: The application's layout and functionality are responsive on mobile devices.
   2. Fail: The mobile version of the web application is difficult to navigate or has display issues.
8. Users interact with the Chatbot for rapid responses and the Chatbot responds promptly to user queries.
   1. Pass: The Chatbot provides quick and responsive answers.
   2. Fail: The Chatbot exhibits slow response times.
9. When many users are interacting with the Chatbot simultaneously for an extended period.
   1. Pass: The Chatbot remains responsive and reliable under prolonged heavy usage.
   2. Fail: The Chatbot's performance deteriorates under prolonged stress.
10. Simulate system maintenance and updates and the Chatbot should gracefully handle maintenance, with minimal downtime.
    1. Pass: The Chatbot's maintenance activities are carried out without significant disruption to users.
    2. Fail: The Chatbot experiences extended downtime or issues during maintenance.