C951 Task 1

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1. The chat bot I developed is designed to offer career guidance to students majoring in computer science or related fields, helping them discover suitable career paths. It accomplishes this by asking yes/no questions and suggesting potential careers. This fulfils requirements as it recommends careers to students based on the input of the student.
2. The chat bot provides 5 different career types which are:
3. Front-end Developer
4. Database Developer
5. Software Engineer
6. Cybersecurity Specialist
7. IT specialist
8. The generated chatbot code files are in the AIML directory which support the five identified job types.
9. The chatbot’s functionality was able to be enhanced by AIML because we can use pattern matching and offers error handling, for example, if there are no job recommendations, the chatbot directs the user to contact their enrollment counselor. The selected training cases were selected in a way to ask the student common career questions such as “Do you enjoy front-end development more than back-end development?” or “Do you have experience with Windows Server?”. The chatbot guides the user through a decision-making process based on their experience and preferences.
10. Installation Manual:
11. To get started on a desktop computer, navigate to: <https://home.pandorabots.com/home.html> using your preferred web browser.
12. In the top-right corner, click on 'Sign In.' If you don't have an account yet, you can register by selecting 'Sign Up' in the same area, and then sign in to access the dashboard.
13. Locate 'MY BOTS' and click the plus icon to create a new bot. Choose a name for your bot and keep the content set to "Blank Bot."
14. Complete the setup by clicking 'Create Bot.'
15. Ensure that your newly created bot is selected and find the file dropdown in the code editor. Choose "upload."
16. Now, you can upload the code files you downloaded in a zip file named 'jsan9797.' Make sure the folder is unzipped; otherwise, the file upload won't function correctly. The files to upload include udc.aiml, frontenddeveloper.aiml,databasedeveloper.aiml,softwareengineer.aiml,cybersecurity.aiml, it.aiml, and welcome.aiml.
17. Once you've successfully uploaded the files, click on the orange chat icon located at the bottom-right corner of the website to begin your chatbot experience.
18. The strengths of the chatbot development environment are the ability to integrate it with GitHub to easily deploy your changes to your repository and import new changes as needed. A weakness of this chatbot development environment that impeded the construction was when updating the AIML files, my chat bot would not always update fast enough. This delayed my overall testing of cases.
19. The chatbot will be monitored by reviewing chat logs and maintained by utilizing surveys to gather input from students and discover trends to further improve the final user experience.
20. Panopto Link: <https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=e0cb387c-2bc1-42b6-8d07-b0a1002c4722>

Sources:

No sources were used in this task.