1. **Functions of the chatbot**

The chatbot was created to address the issues the career advisors were facing. The biggest of which was the increased workload from a rise in computer science majors that are going to graduate and asking for career guidance. The chatbot offers the ability for students to answer questions and come to a conclusion on what career path best suits them. The chatbot has five career paths that the students will be compared to. Once the chatbot has asked all the necessary questions, the student will be given a link to the job that best fits them.

1. **5 jobs**

The chatbot will choose from five career paths: Quality Assurance, Software Engineer, Cybersecurity Analyst, Data Scientist, and Video Game designer.

1. **5 jobs code**

The code is in a separate attachment.

1. **Training cases**

Using two training cases I showed that the chatbot worked as intended. Also, we used AIML link methods and star methods to direct students to needed supplemental material and to save their names so the bot felt more personal.

One case was with a student named Jessica that wanted to make a lot of money and loved Cybersecurity concepts. Because of these attributes, our bot was able to find the career path of Cybersecurity Analyst for Jessica which satisfied what she wanted.

Another case was with Jeremy. He enjoyed creating programs but didn’t like reviewing other people’s code to find errors. With that he was able to navigate the questions with the chatbot and find out he could have a career in software engineering.

1. **Steps to install the chatbot**

These are the steps to install the chatbot.

1. Open a browser of your choice and type in <https://home.pandorabots.com>.
2. Log into Pandorabots by clicking the “sign in” button on the top right of the page.
3. If you don’t have an account, you can create one now by selecting “sign-up”.
4. If you do just log in normally.
5. Once logged in you can see on the right a tab menu with the section “MY BOTS”. Select the “+” sign and create a bot.
6. If you want to see other bots, you can open the “THE DIRECTORY” tab under the “MY BOTS” tab.
7. This link will take you directly to the Chatbot directory <https://home.pandorabots.com/dash/bot-directory>.
8. Type in the name H.A.L 9000 in the search bar to find my chatbot.
9. Type “Hello” to begin chatting.
10. **The strengths/weakness of the chatbot**

The two weaknesses are, for one, The rigidity of the chatbot. It needs more specific inputs to correctly function. I have to put in a Hello for instance to get a specific response from the chatbot. Two, the AIML language is very simple making it awkward to do something more complex thus making me write more code to do something another programming language could do more succinctly. The condition method seemed like a too simple way of using an elif loop.

The two strengths are that it gives a simple, easy-to-learn, method of creating basic chatbots and that it is easy to get up and running quickly. Pandorabot uses AIML which is very simple, so it is easy to learn the basics. This made it so I could start coding the bot as soon as I watched a couple videos on top of the Pandorabot environment being very straightforward and easy. Number one makes number two possible. It is easy to learn so it becomes easy to implement and get a simple functioning chatbot ready quickly. Being so simple and straightforward made it so I could write code for a functioning chatbot in a day.

1. **Monitoring and Maintaining**

The chatbot will be monitored allowing students to give feedback on whether the chatbot is running correctly or not with periodic checks from myself. Also, I will keep a log of the chat conversations within a school server. Students will be able to contact me or a career counselor to forward issues to me to fix asap allowing me to maintain the chatbot or add new functions as needed. This includes adding things such as more job paths, and a more robust input acceptance or multiple languages.

1. **Panopto Recording**

[**https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=c5249f13-6485-4870-ac45-b04601344113**](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=c5249f13-6485-4870-ac45-b04601344113)

1. **Sources**

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