**C951 Task 1**

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C951

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**A: EXPLANATION OF CHATBOT FUNCTIONALITIES**

The Computer Science chatbot helps students to understand their core strengths and suggest career paths. First, the chatbot will ask students what their most vital subject in the Computer Science major is. Once the students identify what topic they are proficient in, the chatbot will respond with a career recommendation with a URL link for more details.

**B: COMPUTING JOB TYPES**

The Computer Science chatbot offers 5 different careers fields that students can pursue.

• Data Scientist

• Software Engineer

• Web Developer

• Network Security Engineer

• Database Administrator

**D: CHATBOT TRAINING CASES**

An example of a training case is my chatbot will help a student that excelled in mathematics and recommend a Data Scientist career along with information. Another possibility would be if the student enjoyed Web Development, and then the chatbot would advise pursuing a Web Developer career.

These cases were developed based on students’ strengths while obtaining a Computer Science degree. These cases are narrowed down by using a decision tree based on their choices. For example, one chatbot improvement could be looking for open positions near the student’s location.

Using AIML has made it easier to serve more students with career advice than a single person could. Students have busy schedules and don’t have time to schedule appointments that may take hours or days to see an advisor. With AIML, students have access to knowledge at their fingertips.

**E: INSTALLATION MANUAL**

1. Through a browser, log into pandorabots.com

2. Go to https://home.pandorabots.com/dash/bot-directory

3. In the search bar, type “C951IntroAIBot”.

4. Click on the bot.

5. Click on the yellow message icon at the bottom right to bring up chat window.

6. In the chatbot message window, type “hi”.

**F: CHATBOT ENVIRONMENT**

I would have wanted an IDE for developing and testing the chatbot. IDEs would have been helpful in resources such as a Marketplace for APIs, preferred programming languages, and build options. Another weakness would be needing a connection to work on the project since it’s on a browser. However, pandorabots.com make it convenient to pull up any internet-connected devices and work on a project anywhere. The insert GUI at the bottom of the pandarobot.com editor is helpful and makes adding categories, buttons, URLs, and many other valuable options effortless.

**G: MONITORING AND MAINTAINING**

User feedback would be an essential monitoring process to help improve the chatbot's AIML functionality. I feel that every semester would require at least one update and would be ideal for maintaining. This monitoring and maintaining method would enhance the user's interaction with the chatbot by asking them more specific questions about their strengths to make career advice more specific to that user. The chatbot's GUI would also benefit from user feedback and can be updated to keep users more engaged visually.

**H: PANOPTO RECORDING**

<https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=d458ea5e-416b-4480-bc37-aed300406b06>

**I: SOURCES**

No sources were used.