Iteration 3 Report
EECE 2560: Fundamentals of Engineering
Computer Science Quiz Bot

November 5, 2025

GitHub Link: `https://github.com/SebastianLeyko/InterviewChatbotComputingFundementalsProject`

Contents

1 Summary of Team Progress and Development Updates

In constructing the basics of our quiz bot, we set up a basic recognition system that checks whether a stored question is a true/false, mcq, or frq question and is able to access information on what the correct answer should be and compare it against the user's input. We also keep track of the total number of questions a student correctly answers and the time it takes to complete 10 questions.
We store our questions and key information in a json file that is accessed by our python file when running the program. These json files store question type, answer, and different information depending on question type. We also have developed the basics of our website that will run our chatbot when completed. In iteration 4 we seek to completely finish our website and implement more features to the python code.

2 Implemented Core Features

Timer: Records the amount of time that's required to complete 10 questions, utilizes time.time function in order to compare time at start and time at finish after 10 questions
Question type identification: Opens nested list and looks for key value to determine how the question will be graded and what information needs to be accessed.
Correct checker: For each question type, the program will take into account whether the student got the question right and display the total amount of correct. Tested by running the program
Json file storage: Json files store each of the questions in order to not crowd code with large datasets. Accessed in python code and used for question base.
Website: Website is unfinished but is able to display basic information such as questions and score

3 Challenges and Resolutions

Briefly discuss the main technical or organizational challenges faced during Iteration 3 and how they were resolved.

- **Challenge 1:** Code unable to read what was stored in Json file. **Resolution:** Changed how the Json file stored information for each question so that information could be stored in a variable
- **Challenge 2:** Website not displaying information **Resolution:** WIP but currently able to display some information, will be worked on further for iteration 4.

4 Leadership Rotation and Team Contributions

Summarize leadership rotation and contributions of each team member during Iteration 3. Even though this is a team project, each student must describe their *individual role and contribution* here.

Leadership Summary

Week/Span	**Leader**	**Responsibilities**	**Key Outcomes**
Week 1	Sebastian Leyko	Base Python Code	Verified code and implement
Week 2	Johan Sy	Json implementation and question types	Added question bank and di
Week 3	Logan Greenwood	HTML website and bug fixing	Created rough draft of websi

Individual Contributions

Team Member	**Contributions (Technical / Documentation)**	**Hours**
Sebastian Leyko	Developed base python code and setup	4 hrs
Johan Sy	Implemented json files and question type variation	5 hrs
Logan Greenwood	Developed website baseline and assisted in debugging	5 hrs

Statement by the Individual Submitter

I, **Sebastian Leyko**, confirm that the above table accurately reflects my personal contributions during Iteration 3.
I, **Logan Greenwood**, confirm that the above table accurately reflects my personal contributions during Iteration 3.
I, **Johan Sy**, confirm that the above table accurately reflects my personal contributions during Iteration 3.