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QUIZ GENERATOR APP

USER MANUAL

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Acknowledgements

I would like to take this opportunity to thank my family who supported me from the start and instilled in me a curiosity for everything. I also wish to thank my mentors who have taught me everything from the basics of python to neural networks and deep learning and have aided me in every step of the way. I could not have completed this project without your guidance. With gratitude, I thank Dr. Ankur Gupta for all your insightful feedback and for this amazing opportunity. Thanking my peers and group members, I wish to highlight the significance of their presence and perceptive questions, which greatly aided my own understanding. Lastly, I would like to draw attention to the help I received from different websites like Geopoint, Bing and Stack overflow, in fixing my errors and adding to my code.

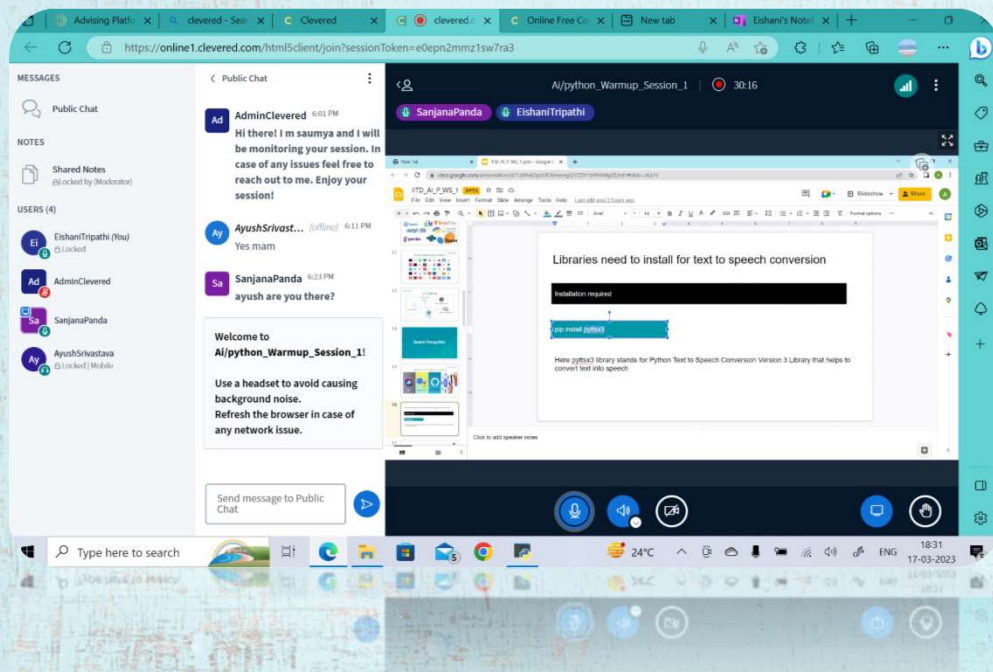
About me...

Observing the recent radical advancements in Artificial Intelligence, which is thought to profoundly affect technology and society all over the world, I felt a curiosity in learning, understanding and applying the ideas and mechanisms behind A.I. A.I is very fascinating as it is capable of near human communication, abilities and judgement though human intelligence has not been fully comprehended.

A.I. is slowly replacing most jobs that rely on repetition and efficiency. A.I. manages to do such work with almost unerring accuracy compared to humans. Basic level coding jobs have already been replaced to some extent by A.I.; like in Copilot in GitHub, which helps programmers auto-complete lines or sections of code, saving them time. A.I. has also managed to simulate creativity in art and literature, which was once considered to be immune to A. I's growing influence. General consultancy and medical practices which do not require a high amount of human deduction and physical abilities are under threat of being replaced completely by medical robots.



About my Internship Journey with Clevered



In this internship, I have learned a lot of the basics of A.I such as Speech recognition, Image processing, API (Application Programming Interface), GUI(Graphical user interface), Neural Networks; and libraries like pyaudio, numpy, pandas, matplotlib, sklearn, etc.

I have also learnt a lot through the home assignments as attempting them on my own has improved my coding ability and understanding of what each step in the code does.

I have received rockstar badges for attentiveness and timely submission of assignments and I find the opportunity to intern under Dr. Ankur Gupta as a privilege to learn from an IIT Professor.

About Quiz Generator App

App's Introduction

I have made a quiz generator app for my project. This project, a voice quiz generator App has an educational theme. I chose this project because I feel it is both relevant to present uses of A.I. and helps in understanding the basic code and general applications of Speech Synthesis software.

A quiz generator app can be used by schools and educational institutions to monitor their students' progress and promote interest in learning by facilitating the testing process. The app can also function as an additional learning facility which tests and provides feedback on the learnings of a student. This would aid in increasing the growth of students and in general help in education.

This specific app is designed to aid people who can't see very well and find it difficult to differentiate and recognize text and buttons. The app has options to read out the questions and the choices, it reads out the result at the end and also reads out the option the user has selected to confirm the choice.

About Quiz Generator App

App's Main Menu

- The app's main feature is asking the user questions from a quiz.
- It reads out the option that the user has selected
- It checks the user's answers with the correct answers with which it has been provided.
- At the end of the quiz it provides the user with results and the correct answers.
- It also provides feedback depending on performance.

How to use the app

User Instructions -

Click on the “Choose Quiz File” button and then when your file explorer opens, open the quiz file.

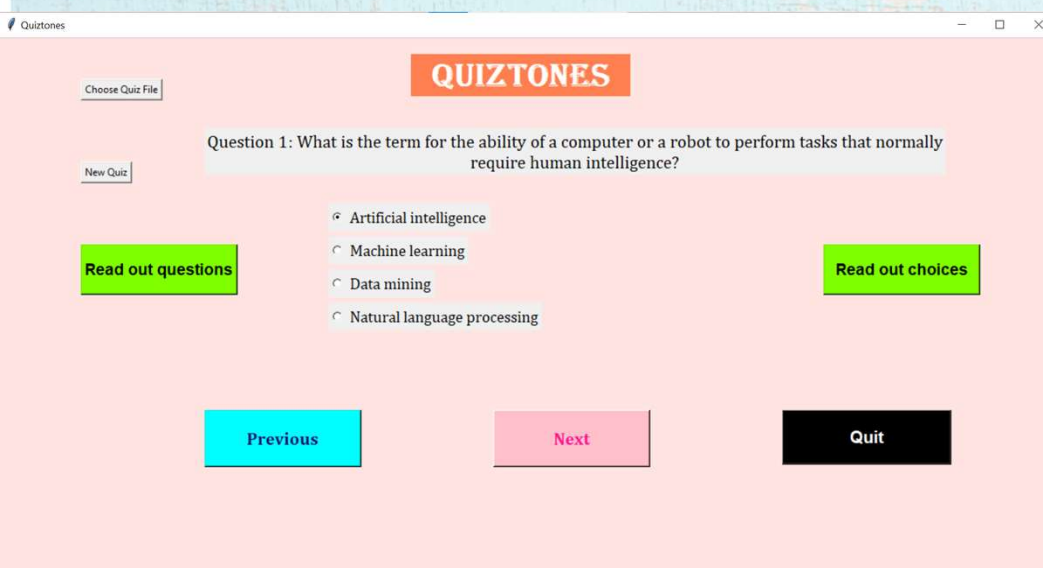
The quiz will start immediately after the file opens.

To select an answer, click on the button beside it.

To move on to the next question, click the “Next” button.

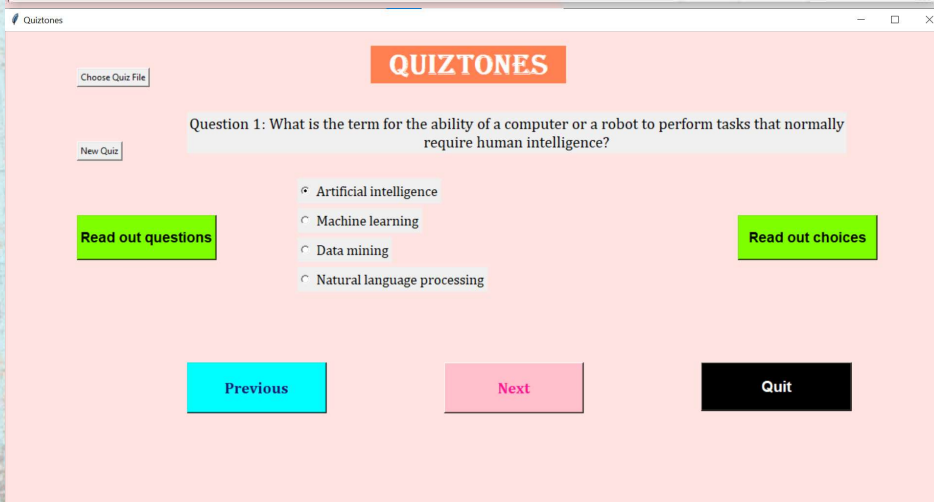
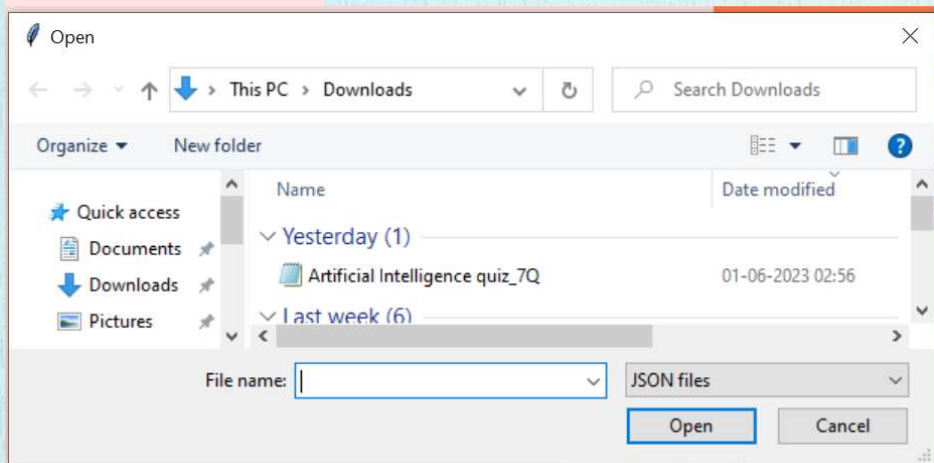
To go back to the previous question, click the “Previous” button

To leave the App, click on the “Quit” Button



Choose Quiz File

Choose Quiz File



Steps to use the “Choose Quiz File” button-

1. Click on the button and a file explorer pop-up window will appear.
2. Open the desired file for the quiz
3. The quiz will start immediately after.

Special considerations/tendencies/risks on using “Choose Quiz File” button-

1. The file chosen has to be a json file.
2. It must have only 5 questions
3. The json file must have a particular format with all four categories – ques, ans, answ, choices.

Read Out Option

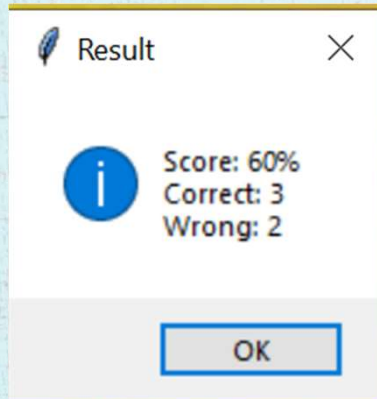
Read out questions

Read out choices

The user can hear either the question or the answer choices given below it.

The user can do this by Clicking on the “Read aloud questions” button or the “Read aloud choices” button for the app to read aloud the questions and the choices respectively

Results



After clicking next after the last question, a window will pop-up with the results.

The results and the answers will be read aloud by the app after clicking the “Ok” button.

The app will also speak the feedback out loud.

Toolkit Walkthrough

AI-App Development

Toolkit Workbook .xlsx

Contact

Please reach out to Eishani Tripathi at

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questions/concerns/suggestions regarding the app



THANK YOU