**Quiz Game**

A simple and interactive quiz application built with Streamlit, allowing users to test their knowledge on various computer science and programming topics.

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**Overview**

**Quiz Game** is an engaging web application designed to challenge users with multiple-choice questions related to computer science and programming. Built using Streamlit, the app provides an intuitive interface where users can navigate through questions, receive immediate feedback, and track their scores in real-time.

**Features**

* **Multiple Questions**: Contains a set of 15 thoughtfully curated questions covering various topics.
* **Interactive UI**: User-friendly interface built with Streamlit for seamless interaction.
* **Immediate Feedback**: Users receive instant feedback on their answers, indicating correctness.
* **Score Tracking**: Real-time score updates to keep users informed of their performance.
* **Randomized Options**: Answer options are shuffled to enhance the quiz experience.
* **Restart Functionality**: Option to restart the quiz upon completion.

**Demo**

*Replace the above path with an actual screenshot of your app.*

**Installation**

Follow these steps to set up and run the Quiz Game application on your local machine.

**Prerequisites**

* **Python 3.7+**: Ensure you have Python installed. You can download it from [here](https://www.python.org/downloads/).
* **Streamlit**: Install Streamlit using pip.

**Steps**

1. **Clone the Repository**

bash

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git clone https://github.com/yourusername/quiz-game.git

cd quiz-game

1. **Create a Virtual Environment (Optional but Recommended)**

It's good practice to use a virtual environment to manage dependencies.

bash

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python -m venv venv

1. **Activate the Virtual Environment**
   * **Windows**

bash

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venv\Scripts\activate

* + **macOS/Linux**

bash

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source venv/bin/activate

1. **Install Dependencies**

Ensure you have a requirements.txt file. If not, create one with the following content:

text

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streamlit

Then install the dependencies:

bash

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pip install -r requirements.txt

*Alternatively, install Streamlit directly:*

bash

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pip install streamlit

1. **Add the Logo Image**

Ensure that the logo image (incognito 24 logo (1).png) is placed in the project directory or update the logo\_path in the script to point to the correct location of your logo file.

1. **Run the Application**

bash

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streamlit run app.py

Replace app.py with the name of your Python script if it's different.

**Usage**

Once the application is running, follow these steps:

1. Open the provided local URL (usually http://localhost:8501) in your web browser.
2. The Quiz Game will display the logo and the first question.
3. Click on the answer options to select your answer.
4. After selecting an option, you'll receive immediate feedback indicating whether your answer was correct or incorrect.
5. Click the "Next Question" button to proceed to the next question.
6. After answering all questions, your final score will be displayed.
7. Click "Restart" to take the quiz again.

**Project Structure**

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quiz-game/

│

├── app.py

├── incognito 24 logo (1).png

├── requirements.txt

├── README.md

└── screenshots/

└── quiz\_game\_screenshot.png

* app.py: The main Streamlit application script.
* incognito 24 logo (1).png: Logo image displayed in the app.
* requirements.txt: Python dependencies.
* README.md: This readme file.
* screenshots/: Directory to store screenshots of the application.

**Technologies Used**

* **Python**: Programming language used to build the application logic.
* **Streamlit**: Framework for creating interactive web applications.
* **Random**: Python's built-in module used to shuffle quiz options.

**Contributing**

Contributions are welcome! Follow these steps to contribute:

1. **Fork the Repository**
2. **Create a New Branch**

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git checkout -b feature/YourFeature

1. **Commit Your Changes**

bash

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git commit -m "Add Your Feature"

1. **Push to the Branch**

bash

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git push origin feature/YourFeature

1. **Open a Pull Request**

Describe the changes you've made and submit the PR for review.