ASSIGNMENT FOR NODE.JS INTERN

Date: 05 April 2024

Assignment: Node.js Quiz Application

Objective:
To create a simple quiz application using Node.js that tests the knowledge of users on Node.js concepts.

Requirements:
1. Implement a Node.js application with Express.js for handling HTTP requests.
2. Create a set of multiple-choice questions related to Node.js concepts (e.g., modules, event loop, callbacks).
3. Serve the questions to users via HTTP endpoints.
4. Allow users to submit their answers to the quiz.
5. Calculate and display the user's score based on the correctness of their answers.
6. Include at least 10 questions in the quiz.
7. Provide feedback to users on their answers (correct/incorrect) along with the correct answer for each question.
8. Ensure the application is user-friendly and provides clear instructions.

Additional Guidelines:
1. Use JSON or a similar format to store the quiz questions and answers.
2. Implement error handling for invalid requests or unexpected errors.
3. Use a simple HTML interface (without any front-end frameworks) to interact with the API endpoints.
4. Write clean and well-commented code following best practices.

Submission:
1. Submit the source code in a Git repository, including any necessary setup instructions.
2. Provide a README file with instructions on how to run the application locally.

Evaluation Criteria:
1. Correct implementation of quiz functionality as per requirements.
2. Accuracy of quiz questions and answers.
3. Proper handling of user inputs and validation.
4. Clarity and organization of code structure.
5. Completeness and correctness of setup instructions.