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Functional requirements

- Website will ask user to provide their name (via an input form)
- There will be a menu of two possible quizzes that a user can choose from.
- The quiz will appear in a separate view within application not on a separate page
- Each quiz has different types of questions and each question has a unique correct answer
- One question will pop up at a time.
- There should be a text field to enter answers or a choice to select an answer if it is a multiple-choice question.
- The system has to evaluate each response and provide feedback based on if the question is right or not.
- If answer is wrong, a new feedback view should display providing a short explanation as what the correct answer is. This view should have a "GOT IT" button for the user to press and continue onto the next question.
- There will be a scoreboard that keep track and display the number of questions answered with elapsed time and total score.
- At the end of the quiz, it should display "CONGRATULATIONS <STUDENT NAME>! YOU PASS THE QUIZ" if the student scores above 80% or "SORRY <STUDENT NAME>, you fail the quiz" if the user scored below 80%. <STUDENT NAME> will be the name that the user input in the beginning.
- Users will have the option to retake the quiz or return to the main page at the end of the quiz.

Non-functional requirements

- The quiz information should be loaded asynchronously from a static REST API endpoint.
- The feedback should only appear for 1000 milliseconds then it disappears and moves onto the next question.
- Application retrieve all quiz information and quiz questions from a remote API.
- A static API will be used to serve the data, such as JSONPlaceholder server.
- Use bootstrap, CSS, JavaScript, HTML.

UML ACTIVITY DIAGRAM AND SEQUENCE DIAGRAM BELOW



