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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 remove 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



