

## Logical Design

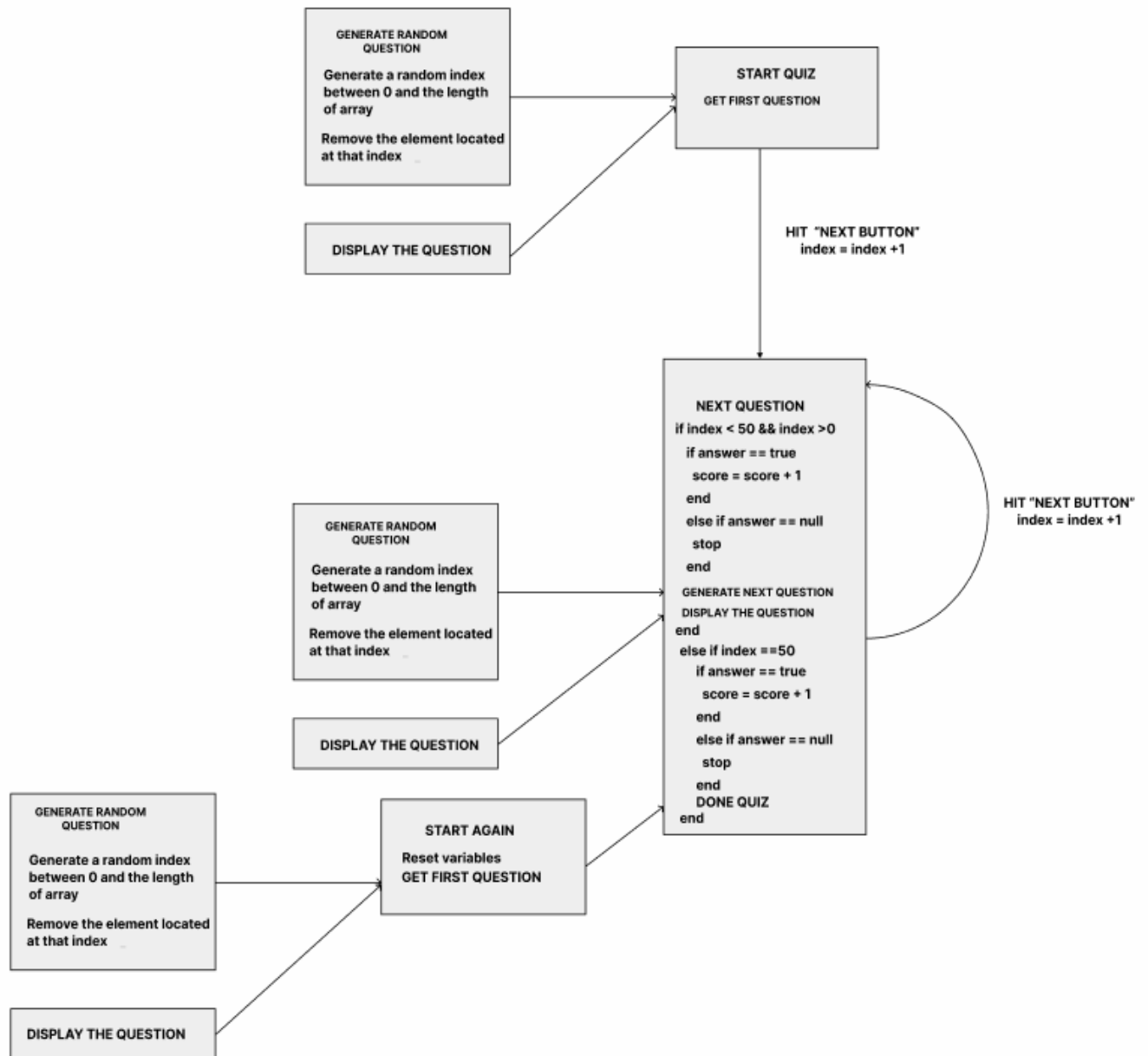
The architecture of quiz application: index (HTML code), style (CSS code), main (JavaScript code), questions (a file to simulate a database).

The file “questions” contains an array to export that holds objects where each object represents a quiz question.

The object contains:

- **id**
- **question**
- **choices** (an array of 4 choices)
- **correctAnswer**

The first time the user presses the start button, a question will be displayed by generating a random index between a minimum and maximum value (0 and the length of the question vector), followed by removing the question from the vector. Their score will be calculated after pressing the button “Next Question” and again this generation process will restart when they the button “Next Question”. The number of questions they answer will be determined based on an index to prevent generating new questions once they reach 50.



Logical outline