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Test Summary:

The purpose of these tests is to ensure that our mobile application consists of high quality and efficient performance.

The testing has largely been divided into two sections. The frontend and the backend. The frontend is expected to operate to its full capacity. All edge cases must be tested and passed without error.

The backend consists of ensuring that the correct databases are being utilized based on the user's input on the questionnaire. We need to test if the correct information is being queried from the pre-processed data.

Testing in the backend takes priority over the frontend as ensuring the questionnaire's functionality and retrieving accurate results is of the highest importance.

Test Descriptions and Test Organization:

Backend-testing
Test #1: Ensure the user data is being stored in the appropriate tables.
        Acceptance Criteria: The user input is being stored in tables.

Test #2: Test querying the pre-loaded data
        Acceptance Criteria: the SELECT queries run without any error

Test #3: Ensure accurate results are returned upon querying through pre-processed data.
        Acceptance Criteria: the SELECT queries return meaningful results.

Frontend-testing
Test #4: Ensure the results page loads correctly
        Acceptance criteria: we are able to see the correct implementation of the page that we planned out.

Test #5: Test the questionnaire page to make sure the functionality of the answer buttons works.
        Acceptance criteria: we are able to answer the questions for each questionnaire question.

Test #6: Ensure all videos on the test instructions are loaded and formatted correctly

Acceptance Criteria: Test passes if videos are quickly loaded and easily viewable. Test fails if the video is either no longer available or if it is incorrectly formatted when viewed on different devices

Test Status and Test Justification:

Test Requirement	Pass/Fail	Notes/Justification
Test #1	Fail	The user input is unknown due to missing questions we need to ask
Test #2	Pass	The pre-processed conditional probabilities had to be stored in different tables to ensure organization
Test #3	Fail	The user input is not know and hence it is difficult to calculate the expected probability
Test #4	Pass	The results page loaded without any failure.
Test #5	Pass	The user is able to navigate through the questionnaire page and select an answer to the question being asked.
Test #6	Pass	Videos are loaded correctly and formatted correctly when viewed on different devices, as well as the web