Currently in our project, the admin of the website can create Test.

Now I want to add a feature that would allow users to answer the test questions and get the result of theri test. The result would be calculated this way:

highest obtainable point for a question = the point value of the option with the highest point for a question.
e.g {

1. what is the color of money?

a. black -- 2 points

b. brown -- 5 points

c. green -- 3 points

2. how much is a basket ?

a. 300 --- 3 points

b. NGN 500 -- 1 point

c. NGN 300 -- 8 point

highest obtainable point for question 1 = "5 points" and question 2 = "8 points"

}

actual point = the point value of the option selected for a question e.g

{

1. what is the color of money?

a. black -- 2 points

b. brown -- 5 points

c. green -- 3 points (selected)

2. how much is a basket ?

a. 300 --- 3 points

b. NGN 500 -- 1 point (selected)

c. NGN 300 -- 8 point

actual point for a question 1 = "3 points" and question 2 = "1 point"

}

Highest obtainable score in category = sum of highest obtainable points for questions in the same category

Actual points in category = sum of actual point points for questions in the same category

Highest possible scale for a category = (Highest obtainable score in category / Highest obtainable score in category) * scale

scaled score for a category = (Actual points in category / Highest obtainable score in category) * scale

Highest obtainable total test score = sum of Highest scale for all categories

Actual total test score = sum of scaled score for all categories

Actual total test score in percentage = (Actual total test score/ Actual total test score) * 100