Test Name: Monthly Test

Module Name:- Front End　　　　　　　　　**BatchName:-**FSD-JG-MAY-2022
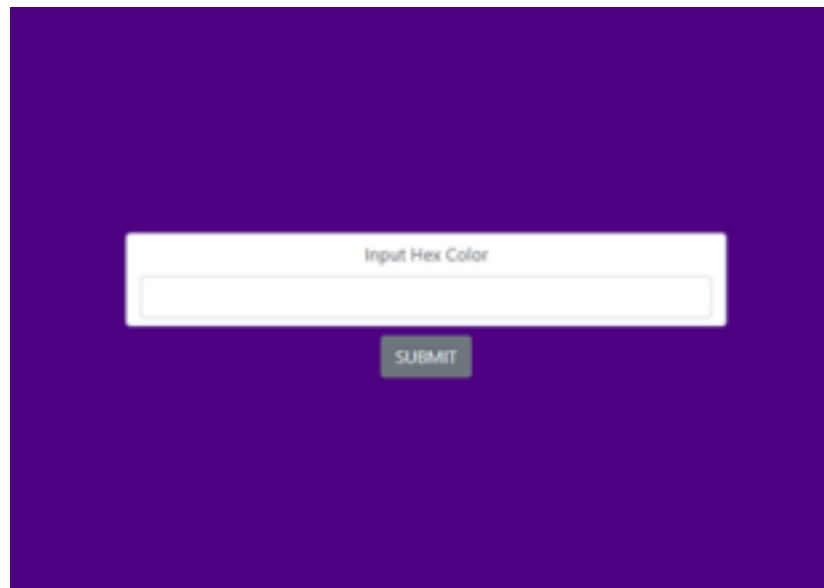
Test Duration:- 4 hrs　　　　　　　　　　　　**Max Marks:-** 100

Instruction :

1. Plagiarism is **not allowed**, if found plagiarized at any point during the course (even for previous submissions) then it will be a breach of ISA.
2. If a student found =>70% plagiarism in the submission, then the student will be marked as 0 in the test and no interview will be conducted.
3. Passing marks of the test (40% of max marks).
4. Submission links (GitHub) should be submitted after the completion of the test into the dashboard.
5. Passing all the modules is compulsory, if a student fails/not attends any module in the test/not attended live evaluation of any module then the student needs to attend all the modules in the retest.

Q1. Design and develop a hex color code visualizer like below **(20 marks)**:

[Click here to view the GIF](#)

Functionalities/Requirements:

· User should be able to input any valid HEX color code and the background color should change
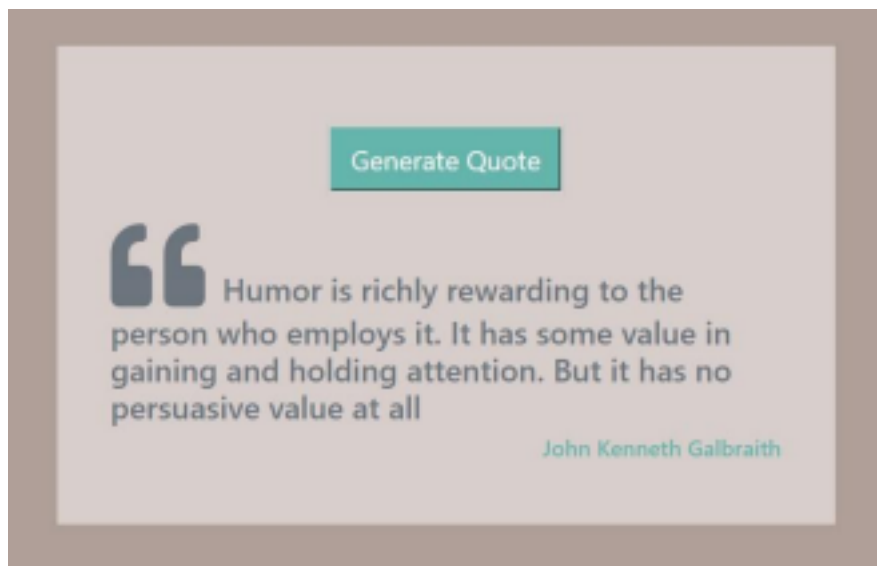
to that color.

· Invalid HEX color code should be invalidated and notified to the user.

· The input and the submit button should be horizontally and vertically centered.

· The background should be full height and width of the browser window.

Notes:

· You are **NOT** allowed to use any 3rd party libraries like Bootstrap etc.

· Try to use as much semantic HTML you can use.

· Use best practices for development.

Q2. Design and develop a random quote project as below, (**30 marks**)

You can use this [API(Type fit)](#) to get a list of quotes.

User Stories:

● Clicking on the "Generate Quote" button will show me a random quote.

● The first time load of the page should also contain a random quote by default.

Q3. Design and implement a "Flashcards" app with the features mentioned below **(50 marks)**.

Functionalities/Requirements:

· User should be able to add questions and answers in appropriate text fields, and clicking on save button should create a flash card

· The flash cards should have a functionality to show and hide answers for the corresponding questions.

· Users should be able to edit and delete a flashcard.

Notes:

· You are **allowed** to use any 3rd party libraries like Bootstrap etc. and design the view in any way you like.

· Try to use as much semantic HTML you can use.

· Use best practices for development.