Test Name: Month 5

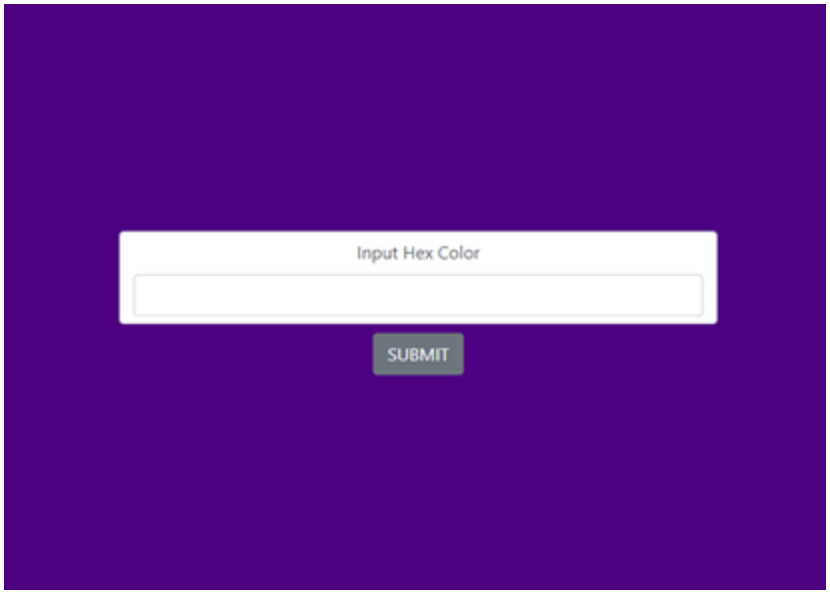
Module Name:- Front End | **Batch Name:-** Kalam

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

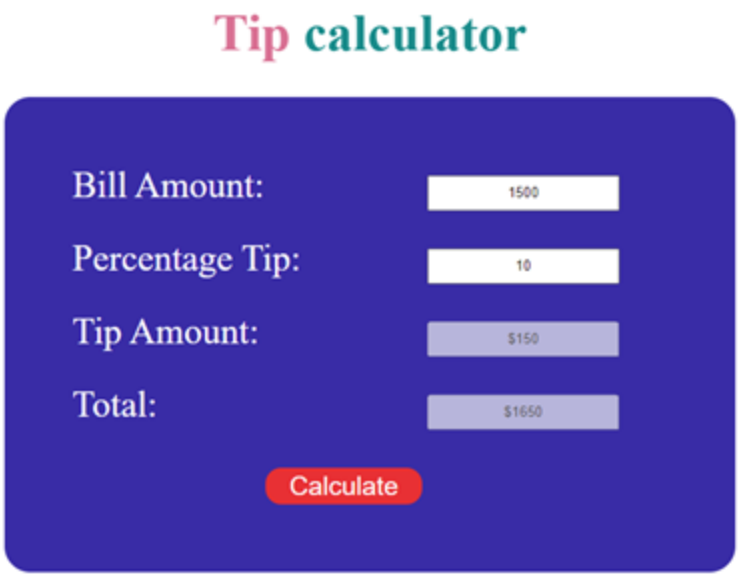
Functionalities/Requirements:

- 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 tip calculator like below **(30 marks)**:



Click here to view the GIF

Functionalities/Requirements:

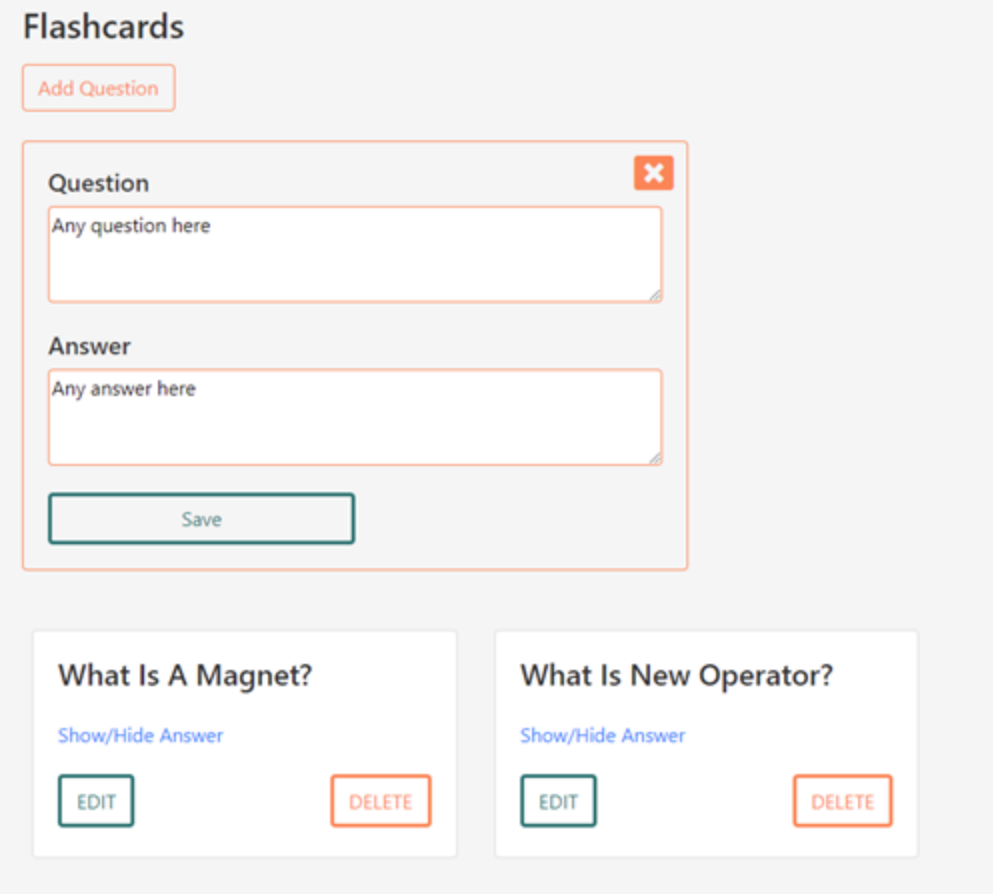
- User should be able to input any valid bill amount and percentage tip.
- Calculate the “tip amount” and “total amount” accordingly and show it to the user.
- Do add basic styling and keep the main UI centered in the browser window.

Notes:

- You are **NOT** allowed to use any 3rd party libraries like Bootstrap etc. use plain CSS/SASS.

- Try to use as much semantic HTML you can use.
- Use best practices for development.

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



Click here to view GIF

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.
- User 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.