MONTHLY TEST - June 2020

Test Timings: 10 AM - 10 PM.

You are going to build a **mini social network which fetches posts along with a detail page with its own comments**. I will tell you the instructions that are needed to be carried on for better evaluation as well as for better code quality. All of the references are linked at the bottom of this document. **The folder structure should contain index.html, style.css and app.js**. Nothing more than that. The functionality should be covered in ES6 as much as possible.

<u>**User Interface:**</u>

1) The design image mockup are drawn as wireframes and pasted below. The basic layout must be present, along with the colors. Use Lato for the fonts (Bold and regular are enough to not reduce the page speed), however feel free to come up with your bright design ideas supporting the required layouts.

2) There would be two pages that you need to render. One the posts page, where you would see all the posts as well as the user who created it, and lastly is the detail view page, to see the post title, content as well as the comments.

3) An additional component in the search results page, which I want you people to design is pagination. Pagination means a series of page numbers displayed at the bottom as circles. Any page number clicked will

give you the results at that particular page. One single page will contain a maximum of 10 posts.

5) Create a favourite option (like a heart icon or whatever) in the header. Hovering it should give you a list of favourite posts, users have decided to see later. The functionality of it will be decided below. This component is optional but it would fetch you additional marks.

Functionality:

1) The API that is going to be used is called JSONPlaceholder. It is a very small database system, that provides you all the posts. No key is required. But if there exists any CORS error, please use https://corsanywhere.herokuapp.com before the said URL.

2) The pagination component which was discussed on the UI, has to be dynamic. For example, if there are totally 120 results from API, and we have a constraint of 10 results per page, the pagination component should show up 12 pages. Each number click should take you to that set of results, i.e. page 2 should show the result number 11 to result number 20, and so on. (HINT: It deals with slicing and some math)

3) There must be literally no reload. All the functionality should be rendered only on the index.html. We have seen how it works.

4) About the "favourites" hoverable component which we discussed previously, When the heart icon is being hovered, a small box should appear below the icon with scroll overflow, containing all the favourite posts. Clicking on any one of them should direct the user to the post

detail page. There are two cases for any post regarding the favourite status.

    a) If the post is already in favourites, you should show a **Trash can icon** near to the post name in the post detail page, to remove that post from the favourites. (**Think which concept can be used here**)

    b) If the post is not in your favourites, you must show an **Add to favourites icon** near to the post name . Clicking that will show the favourite post on the favourites section while hovering over the text.

    c) If you can't understand what I am trying to articulate, consider visiting one of my applications (Mowhee) that I have referenced below. In that app, visit any movie in detail view and add to favourites. A heart icon should be immediately available on your top right. Just hover there and you can see what I am talking about.

5) Whenever you are fetching something from an API, you have to make sure that the user is being notified that some process is happening. Add a Spinner at the center of the application to make it predominant. I will add the resource for beautiful spinners. below.
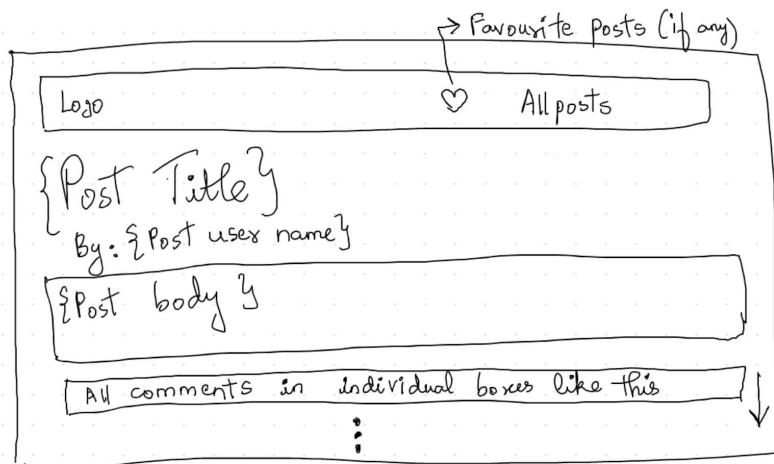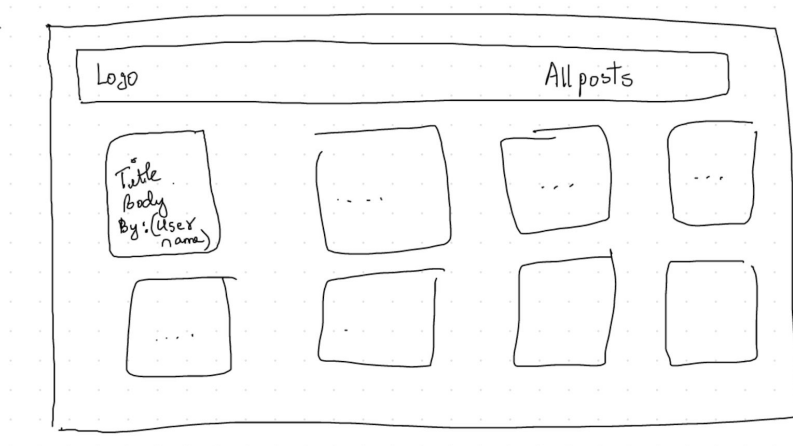
References:

1) Lato font - https://fonts.google.com/specimen/Lato
2) Users API - https://jsonplaceholer.typicode.com/users
3) Comments API - https://jsonplaceholer.typicode.com/comments

4) Posts API - https://jsonplaceholder.typicode.com/posts

5) Mowhee Application - https://mowhee.netlify.com

6) Spinners - https://projects.lukehaas.me/css-loaders/

Design Images:

Posts page and post detail page. The pagination component should be beneath the posts page, as a group of circles. Hope I made sense.

ALL THE VERY BEST !!!!!!!!