**Agenda: Create a task for Frontend dev profile.**

**Evaluation criteria:**

**1) Responsive UI**

**2) Understanding of JS fundamentals**

**3) API endpoint integration (to fetch and display data)**

**Task One** Experience Level (fresher to 1 year)

Design a fully functional credit card input field component.



Features to be implemented:

* User must be able to paste not more than 16 digit number which must be equally divided into 4 input fields with a submit button .
* On pasting from the clipboard, the last input field should get in focus.
* After adding 4 digits the focus should automatically move to the next input box. Same should happen during deletion.
* The input field must be keyboard accessible.
* On pressing enter or submit card number should be displayed in a list with a delete option.

Things to keep in mind:

* Do not use any CSS framework/library.
* Try to use typescript if possible.
* Try to make the component as reusable as possible. You can make the number of input boxes and the digits it can accept dynamic.
* Be creative.

**Task 2: For Intern - Fresher**

Using HTML/CSS/JS, create 5 boxes.



When the user click a box, the box should be at top of all the other boxes.

For Example: If the user has clicked box 1, then:



Now, if User clicks box 1 again, then the box will be set back to its original position, but if the user clicks box 2 then box 2 and box 1 will be at top of box 5.



**You can share a public github repository containing the task along with the instructions about how to start the project.**

**Task 3 (Angular Experience 1- 2 years) (confirm with developers/interviewer before giving task to candidate)**

Create Two Pages. Page 1 and Page 2.

**In Page 1**, there will be 2 elements.

1. A Button to navigate to Page 2.
2. A Table.

Call the api( *will be provided by the backend, api must take at least 6-10 secs to return response.)* which will return a list of users. Show these user details in a table format. However, if the user clicks the Button before the data has arrived from the api, then the ongoing apis need to be cancelled.

**API:**

In Page 2, there will be 2 elements.

1. A Button to navigate to Page 1.
2. A Pie Chart.

Call the api( *will be provided by the backend, api must take at least 6-10 secs to return response.)* which will return data. Draw the Pie Chart for this data.However, if the user clicks the Button before the data has arrived from the api, then the ongoing apis need to be cancelled.

**API:**

 

You can use any library for chart. By default, Page 1 will be in view.

**You can share a public github repository containing the task along with the instructions about how to start the project.**

**Task 4: (Angular Experience upto 1 year) (confirm with developers/interviewer before giving task to candidate)**

A Repository / code will be shared. In this code, the problem is that data is not getting updated in the view. Find out the reason. You don't have to fix the issue.

**Task 5: Frontend Experience: 2 years+**

Using only HTML / CSS / JS, create an auto suggestion dropdown box, similar to google search box. What data to be filtered out is up to you. You can use a simple array of strings to filter out data.

For Ex:

Assume our data list is = [‘create ’, ‘Country’, ‘HTML’, ‘Paris’, ‘Maggi’, ‘cream’].

Now when the user has typed ***‘cre’***, then in the dropdown, only **‘create’** and **‘cream’** should be shown.

**You can share a public github repository containing the task along with the instructions about how to start the project.**

**Task 6: Frontend Experience: 2 years+ (confirm with developers/interviewer before giving task to candidate)**

You are given an api. The API returns an array of strings which are the url of the images.

For Example:

Data: [‘https://….imag1.jpg’, ‘https://….imag2.jpg’,‘https://….imag3.jpg’,]

The size of these images vary from 100KB to 5MB. Create a HTML page, where the users will see the images.

**Keep in mind that the users will be having slow internet of around 5Mbps.**

**You can share a public github repository containing the task along with the instructions about how to start the project.**