

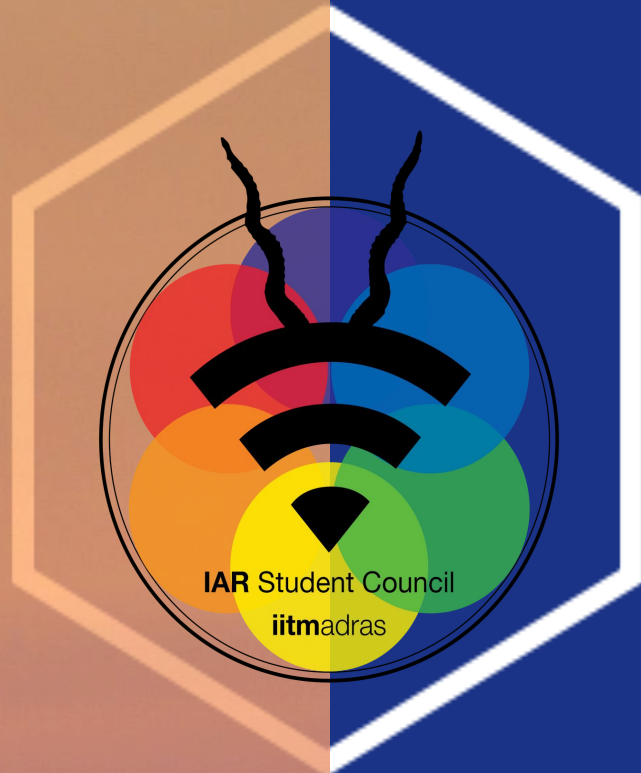
WEB OPERATIONS TEAM

WebOps Managers Application 2022-23

Deadline:

21.06.22 11:59 PM

(Tuesday)



MANAGERS APPLICATION

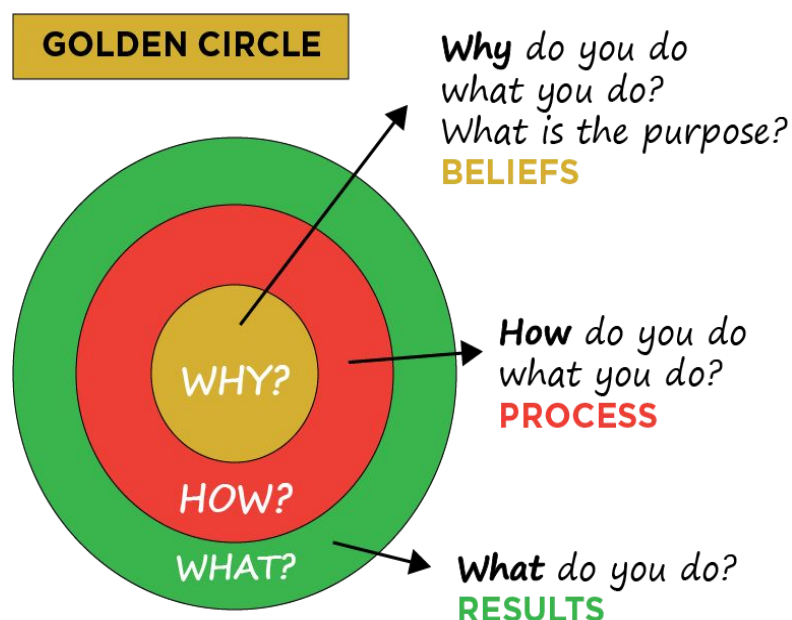
INTRODUCTION

Few points to be kept in mind while writing the application:

- Submit your application to sec_iar@smail.iitm.ac.in, ce20b025@smail.iitm.ac.in and me20b070@smail.iitm.ac.in
- Be very articulate while answering all the questions and write in points. **DO NOT** write in paragraphs.
- The **technical section of this application is compulsory**
- Create a **github repo** for the tasks or submit the code as a **.zip** or **.rar** folder with each projects structured properly
- If you find it feasible, try thinking in terms of the golden circle while planning things. It is an interesting and efficient way of ideating. A

general thumb rule that can be followed for any idea/approach

/method you have is detailed in the image below:



CONTACT US

Ganesh (WebOps Head)

+91- 90804 41842

Mitesh Bediya (WebOps Head)

+91-79847 52005

General Instructions

- The application has 3 parts which are mandatory and a bonus part (Do try to attend the bonus part). Try to attend all the questions. We don't require a complete solution from you. We want you to just try out the questions.
- The application is just to check how willing you are to work with the team. The selection process will have an interview for those who fill out the application. The selection will purely depend on the work you put on in the application, not on if you completed all the questions.
- You are supposed to use pure html and css. You aren't supposed to use any precompiled css libraries(ie. Bootstrap,materialize etc.)
- As mentioned earlier this assignment doesn't expect you to know anything from before.You will have enough time to learn and then attempt this app. Please refer to the end, for some resources. After you are selected we will help you learn everything you need. No prerequisites needed :)
- Please add comments to your code explaining the code. And keep your code well structured with nice indentations.

QUESTIONS

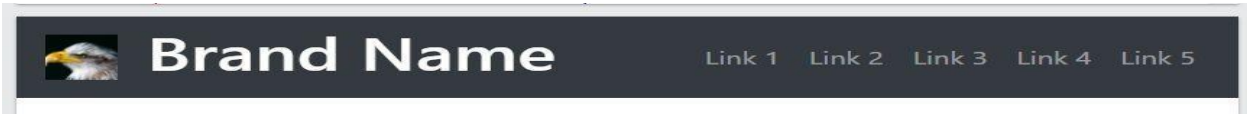
A. General Questionnaire

1. Write and elaborate your vision about IAR as a whole and WebOps team.
2. What is your motivation to join IAR WebOps?
3. What relevant programming languages or frameworks are you comfortable with? State your credentials and any experience in development. (Not graded)
4. What do you expect out of this team?
5. What are the things you feel IAR lacks from the point of view of WebOps and how would you improve those shortcomings?

B. Technical Questionnaire

Part 1:

1. Make a Navbar which sticks to the top that has 5 topics. 1 of them being the logo should be to the left of the screen and others to the right.



2. Create a user registration form with name, email id, password, mobile number. Use form validation for email and password. Make the form look appealing. Use value property and label tags.
3. Use flexbox to create 5 boxes with a width of 10%. Flex direction should be horizontal and the 3 rd box should be centered vertically. Try to get creative with the colors used. Use opacity for any 2 boxes.

QUESTIONS

Part 2:

1. Create a loading animation. Get creative with the animation. (hint: use animation properties). Also make sure it isn't too long
2. A list with custom bullets, and the bullet on the list item changes when the item is hovered upon.
3. The text in the list shows different fonts. Use non-standard fonts(the ones not included with browsers by default), either from an online source (ex: Google Fonts), or downloaded font files. Show a few different text decorations and font effects, like font weight, italic, etc. in each list item.

C. Bonus Questions

1. Create 5 objects that have id, email, password, link_id as keys. Each object has a unique id and link_id's value is an array containing the id's of the object that it is linked to.
2. Create a function that checks if a given object's email is in correct form and also if the password has more than 8 characters with at least 1 upper case, 1 lower case , 1 special character.
3. Below, there is an API. use this API to fetch data and display it on your localhost. Display the data as a scrollable list. Brownie points for good UI :) You can take help from this link:

<https://www.geeksforgeeks.org/how-to-use-the-javascript-fetch-api-to-get-data/>

API Link:

<https://jsonplaceholder.typicode.com/posts>

Some resources to aid you along the way:

- <https://www.youtube.com/watch?v=vQWlgd7hV4A>
- <https://www.w3schools.com/html/>
- <https://stackoverflow.com/> :)

**A L L T H E B E S T F O R Y O U R A
P P L I C A T I O N !**