



Lean Platform Technologies

Lean Platform Technologies

Backend Developer Intern - Task Assignment

Congratulations on getting shortlisted to the **assignment round**. In this round, you will have to solve the following problem -

Create the backend APIs of the admin dashboard a Web app (that allows users to find and book sessions with consultants). The admin dashboard is the key component of any web app. So, that API should be very flexible to be integrated with any other component. The admin dashboard approves the consultants account to verified status. It also keeps a track of the no of consultants registered, no of clients registered and no of sessions booked.

The application should have the following features:

1. **Approve Consultant-** There should be a table consultant request table (name,id and other details) where people have created a request to become a consultant . Now you should create an api where all these requests can be seen and another api where the admin can approve/reject those requests.
2. **Add additional details in consultant account** - Add Details to the consultant table. A consultant table with attributes (name,age,phoneNo etc.) and also CV of the consultant. An api to add all these details in the consultant table for a particular consultant.
3. **Consultant details** - API to get the list of all the consultants and Api to get a specific consultant details by their name or by their job role (software engineer,hr etc)
4. **Web App Statistics** - API to fetch the total number of consultants, total number of clients, and total number of sessions booked so far.

5. Tables to be created

1. MentorRequest
2. Mentor
3. Statistics

[You can create other tables if you want](#)

6. Technical Requirements -

- a. Use Java for the backend. You can use a framework like Spring Boot to create a simple REST API.
- b. Use an in-memory database or a simple file-based storage system to store the items. You don't need to set up a full database for this assignment.
- c. Write clear, readable, and well-documented code.
- d. You don't have to necessarily develop the front end for this. The working functionality of APIs can be demonstrated on Postman.

7. Deliverables -

- e. The source code for the application, preferably shared via a GitHub repository.
- f. A readme file where you have mentioned all the api's and their proper usage and working.
- g. Write test cases that you think are relevant to ensure the sanctity of your code
- h. A short video demonstrating the functionality of the application. You can use screen recording software to create this video. **(This is mandatory otherwise your assignment will be rejected)**

8. Bonus - If you want to go a step further, you can deploy the application to a free hosting service. AWS Elastic Beanstalk is a good option for hosting Java applications, and Vercel or Netlify can be used for hosting React applications. However, this is not a requirement for the assignment

How you will be assessed -

- 1. 50% weightage - Backend logic and code optimization
- 2. 50% weightage - Usage of coding principles. Structured clearly written and well documented code

Submission link: <https://forms.gle/8TWV4wFpGh5rmfq69>

If you have any queries or doubts, feel free to reach us at - hr@leanplatformtechnologies.com



Backend Developer

You are someone who is highly passionate about technology, a mad problem solver, and driven towards building code that allows a database and an application to communicate with one another.