

# NodeJS-Mysql Selection Test

## Scenario

We have a platform where psychiatrists can register their patients through a mobile/ web portal. Each psychiatrist belongs to a hospital. We have provided the hospital list on the last page.(predefined list).

Minimum 5 psychiatrists work in a single hospital.

## Assignment

Create RESTful APIs for the 2 below cases -

1. A new patient registration, form fields are provided below.

Patient details should contain the following with validation at the backend:

- a. Name\*
  - b. Address\* (should be at least 10 characters)
  - c. Email\* (should be a valid email address)
  - d. Phone number (should be at least 10 number + country code)
  - e. Password\* (must contain one upper character, one lower character and a number. Max length 15 and min length 8)
  - f. Patient Photo\*
2. Fetch all the psychiatrists, their count along with IDs and patient details for a hospital. Assume in the request body the frontend will pass HOSPITAL ID.

API response should be as expected below, ,

```
Hospital name,  
Total Psychiatrist count  
Total patients count  
Psychiatrist Details [  
  Id,  
  Name,  
  Patients count:  
]
```

*\*mandatory fields*

There should be a minimum of 20-50 records within the database to execute any query.

### Hospital Name (predefined list)

1	Apollo Hospitals
2	Jawaharlal Nehru Medical College and Hospital
3	Indira Gandhi Institute of Medical Sciences (IGIMS)
4	AIIMS - All India Institute Of Medical Science

### How do you need to do it?

- Use a framework (say Express.js + Nodejs) to create the web backend.  
<https://expressjs.com>
- For database either use MYSQL or MongoDB or any preferred database you like to use. Preference will be given to those who opt for the MYSQL database.
- Use Swagger or Postman to list all your APIs. Give us the postman collection access so that we can evaluate your programme.

## Expected: Things to submit

Once task is done fill out [this form](#)

Github Repository must contain the following information -

- Implemented codebase.
- README page in the code containing
  - List of all the major libraries/frameworks used (and any specific reason to use them, if possible).
  - List API endpoints details and postman/swagger link to check the API.

- Upload the database dump which you have used (with at least 50 records), in the github repo named as 'database' folder and upload DB schema with data value for us to evaluate your task. (optional, if MYSQL is used)

*If any of the points above is missed, we will consider the task as incomplete.*

## Basis for scoring

1. How well REST API concepts and standards are followed such as correct status codes, naming conventions.
2. How well API validations/errors are handled within the codebase.

## Timeline

- You have to submit the assignment within **5 days** of receiving it. We expect that the assignment will take you 3-4 hours to complete, so please schedule your time accordingly . Late submissions will not be accepted.
- You will be informed of the results of your selection test within 3 working days of submitting your assignment, via email.
- If you pass the selection test, you will be invited for the final step – the personal interview. You will have multiple slots to choose from, on Mondays and Thursday. Interviews will last 30-45 minutes.

Questions?

Send an email to [hiring@thelattice.in](mailto:hiring@thelattice.in)

