NodeJS-Mysql Technical Evaluation Round

What do you need to do?

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).

A psychiatrist registers him/herself within the portal with the following details.
- First name (20 char max), Last name (20 Char max), mandatory field
- Hospital Name, mandatory
- Phone number
- Pincode
- State

Create APIs for the 3 below cases -
- Adding a new patient, upload the patient photo
- Fetching all the patients in an order for a single psychiatrist (without photos).
- Fetch the count of how many patients are registered for each psychiatrist in a hospital. This should return, hospital name, psychiatrist name, patients count.

Patient details should contain the following with validation at the backend:
1. Name* (should be at least 3 characters)
2. Address* (should be at least 10 characters)
3. Email* (should be a valid email address)
4. Phone number (should be at least 10 number + country code)
5. Password* (must contain one upper character, one lower character and a number. Max length 15 and min length 8)
6. Patient Photo*

*mandatory fields

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

How do you need to do it?

- Use a framework (say Express) to create the web backend. Using the web framework is mandatory.
- Following points will be considered to evaluate you -
  - Use SQLite/Mysql to store all the data (Mandatory)
  - Use Swagger/Postman to list all your APIs (Mandatory)
  - Use unit tests to validate the APIs (optional)
  - Using user token authentication for API access (optional)

- **If you deploy the code and database on a server and give us the postman collection access** (Optional, if completed, extra scores will be given to candidate)

Things to submit:

- 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.
  - How to run tests and deploy the project
- Send us the task repository url with us, repository name should be in this format - yourname_NodejsTask
- 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.

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

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