

Practical Task for Node Developer

Task Details:

1. Institute Type Selection:

- a. The first step in the registration process is for the user to select the type of institute they are registering. The options include:
 - i. Playhouse
 - ii. School
 - iii. College
 - iv. Competitive Exam Center
- b. Each of these is categorized as an "institute" for this task.

2. Board and Class Selection (for Schools):

- a. After selecting a "School," the user will choose the education board (e.g., GSAB, CBSE) from a list. This list will be managed from the admin side.
- b. The user then selects the **medium** (e.g., English, Hindi, etc.) and **class category** (e.g., Pre-primary, Primary, Secondary, Higher Secondary).

3. Standards and Subjects (for Schools):

- a. Based on the selected class category, the system will display relevant standards:
 - i. For example, if "Higher Secondary" is selected, standards like 8th to 10th will be shown.
 - ii. If "Pre-primary" is selected, options like LKG, HKG will be displayed.
- b. Once the standard is selected, the system will present relevant subjects for that standard. The user can then select the specific subjects they want to register for.
 - i. Example: If the user selects 9th standard, they can choose from subjects like Math, Science, etc. This is important for institutes like tuition centers that may specialize in specific subjects.
- c. After selecting the standard and subjects, the user will submit this data, which will be stored in the database.

4. Variations for Other Institutes:

- a. For other types of institutes (Playhouses, Colleges, Competitive Exam Centers), there will be slight changes in the registration flow:
 - i. **Colleges:** No board or standard selection, but the user must select the university, degree type (e.g., Bachelor's or Master's).

- ii. **Competitive Exams:** The flow might involve selecting the type of exam being conducted.

5. Deliverables:

- a. You need to:
 - i. Design the **database schema** (using SQL – Postgres, MySQL, or any other).
 - ii. Develop **APIs** to handle the entire registration process.
 - iii. If possible, include a **database diagram**.
- b. **Important:** You are required to handle the specific variations for each institute type (School, College, Playhouse, Competitive Exam Center).

6. Submission Guidelines:

- a. Submit your work via **GitHub** with the following:
 - i. API code and database schema.
 - ii. A **video demonstration** of the API working in Postman. Upload this video to your Google Drive and share the link along with the GitHub repository link.
- b. **Note:** You cannot use Google, ChatGPT, or any other AI tools for assistance during this task.

Good luck, and be sure to think through the logic and flow for each type of institute.


Screenshots


Institute Registration (2/4)


Institute For
Select your organization types with boards.


Previous



Next



☐  Play House

☐  School

☐  College

☐  Competitive Exam


Please select organization first


Institute Registration (3/4)


Institute For
Select your organization types with boards.

Previous

Next


 **G.S.E.B**
Gujarat Secondary and Higher Secondary E...


 **C.B.S.E.**
Central Board of Secondary Education


 **GTU**
Gujarat Technological University


Medium and Class with Standard and Subjects
Select your school's board.

Gujarati Medium

☐  Pre Primary
NA

☐  Primary
NA

☐  Secondary
NA

☐  Higher Secondary
NA

Hindi Medium

English Medium

Institute Registration (3/4)

Institute For

Select your organization types with

G.S.E.B

Gujarat Secondary and Higher Secondary Education Board

C.B.S.E.

Central Board of Secondary Education

GTU

Gujarat Technological University

Select Standard & Subjects

Primary(Gujarati Medium)

Std - 9

Total 6 Subjects

Mathematics

Science

Social Science

English

Hindi

Computer Science

Std - 10

Total 8 Subjects

Submit

Next

Institute Registration (3/4)

Institute For

Select your organization types with boards.

G.S.E.B

Gujarat Secondary and Higher Secondary Education Board

G.S.E.B

Gujarat Secondary and Higher Secondary Education Board

GTU

Gujarat Technological University

Previous

Submit

Medium and Class with Standard and Subjects

Select your school's board.

Gujarati Medium

Pre Primary

NA

Primary

NA

Pre Primary

2 standards and 16 subjects selected

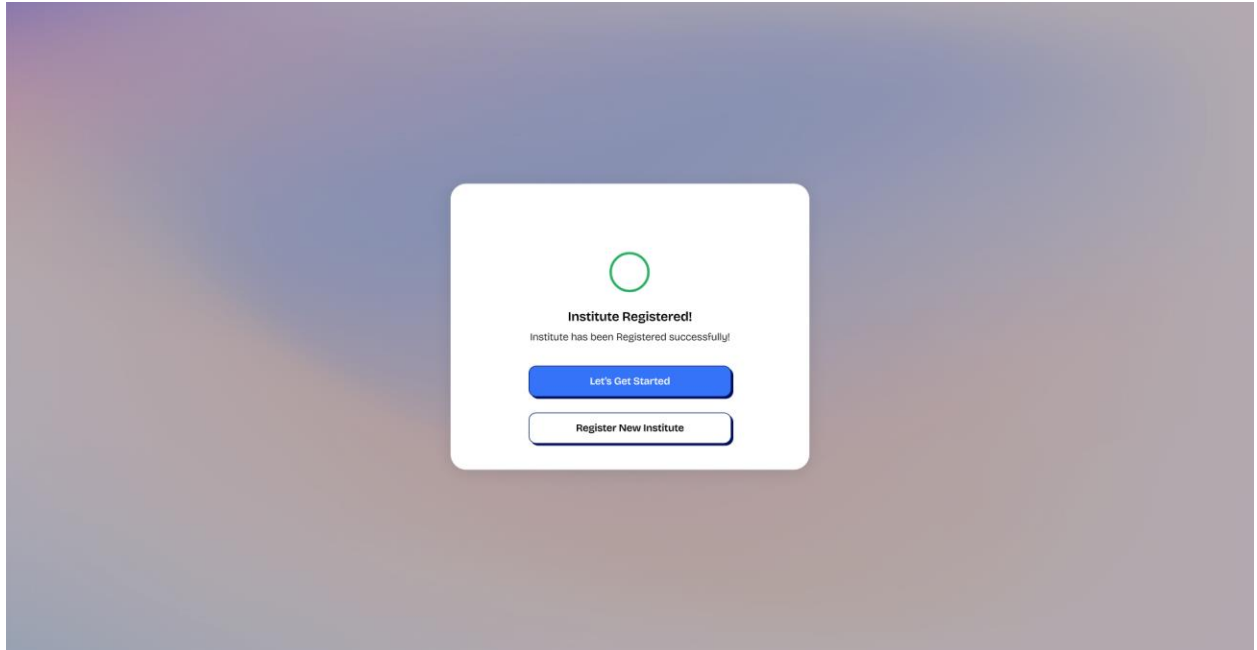
Edit

Higher Secondary

NA

Hindi Medium

English Medium



BEST OF LUCK