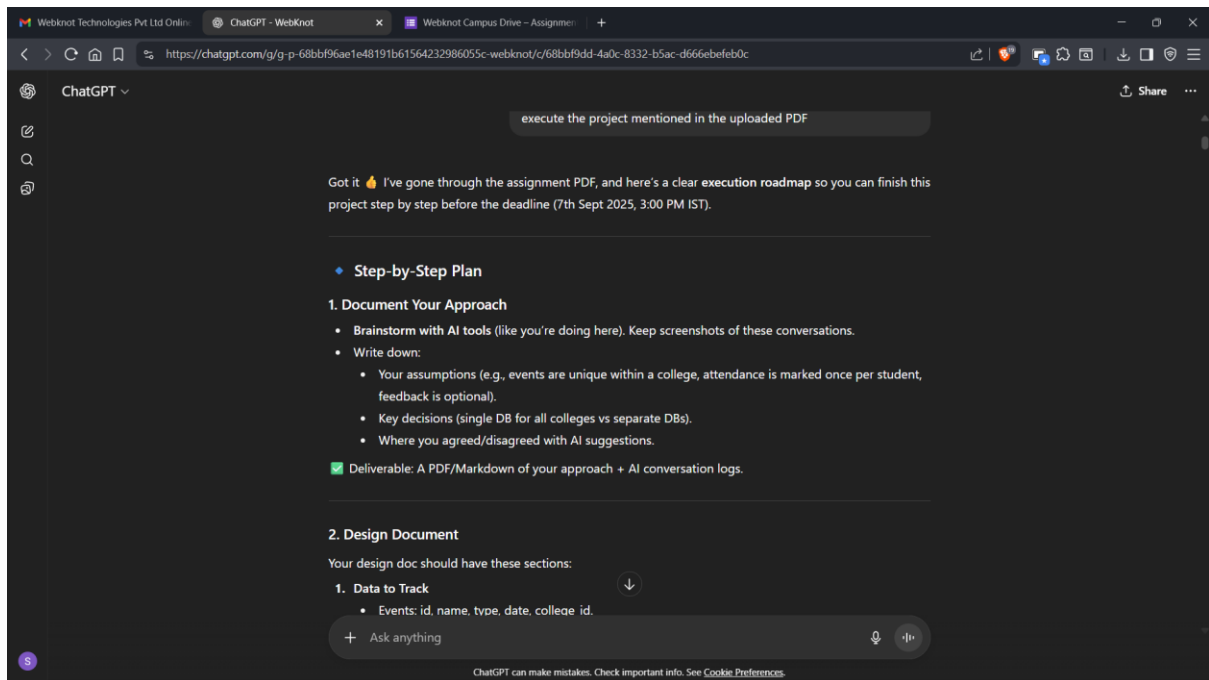
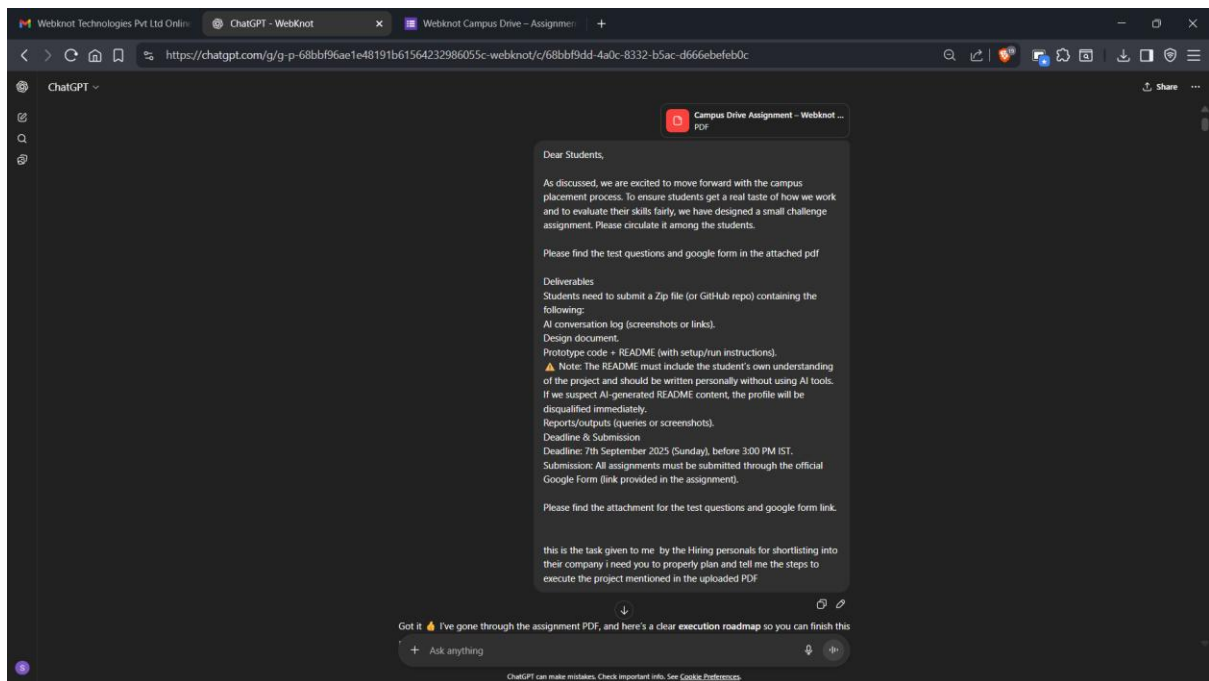


AI conversation Screenshots



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https://chatgpt.com/g/g-p-68bbf96ae1e48191b61564232986055c-webknot/c/68bbf9dd-4a0c-8332-b5ac-d666ebefeb0c

Share...

ChatGPT

2. Design Document

Your design doc should have these sections:

1. Data to Track

- Events: id, name, type, date, college_id.
- Students: id, name, college_id.
- Registrations: student_id, event_id, timestamp.
- Attendance: student_id, event_id, status.
- Feedback: student_id, event_id, rating (1-5).

2. Database Schema (ER Diagram)

Draw tables + relations (use dbdiagram.io, Lucidchart, or hand-drawn + scanned).

3. API Design (REST/GraphQL, even simple Flask/Django/FastAPI routes work):

- POST /events → Create event.
- POST /register → Register student to event.
- POST /attendance → Mark student attendance.
- POST /feedback → Submit feedback.
- GET /reports/popularity → Registrations per event.
- GET /reports/participation → Events attended by a student.
- GET /reports/top-students → Top 3 active students.

4. Workflows (sequence diagrams)

Example: Student registers → Admin approves → Student attends → Student gives feedback → Reports generated.

5. Assumptions & Edge Cases

- Duplicate registration not allowed.

+ Ask anything

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https://chatgpt.com/g/g-p-68bbf96ae1e48191b61564232986055c-webknot/c/68bbf9dd-4a0c-8332-b5ac-d666ebefeb0c

Share...

ChatGPT

3. Prototype Implementation

Pick your comfort stack:

- Backend: Python (Flask/FastAPI/Django) OR Node.js (Express).
- Database: SQLite (simplest), Postgres, or MySQL.

Core Features to Code

- API endpoints for event creation, registration, attendance, feedback.
- SQL queries for:
 - Registrations count per event.
 - Attendance percentage per event.
 - Average feedback score per event.

Deliverable: Working prototype + README.md with setup/run instructions.

Important: The README must be written by you, in your own words (no AI). Explain your understanding of the project and steps to run it.

4. Reports

Create queries/scripts and show outputs (screenshots or JSON).

- Event Popularity Report → Events sorted by registration count.
- Student Participation Report → Events attended per student.
- Top 3 Most Active Students (Bonus).
- (Optional Bonus) Filter reports by event type.

+ Ask anything

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ChatGPT

i need you to start the project instead and my tech stack is NodeJs and PostgreSQL

Perfect 🚀 Node.js + PostgreSQL is a solid choice. Let's start by scaffolding the project. I'll give you the project structure, database schema, and initial code setup so you can build on top of it.

Step 1: Project Structure

We'll keep it clean and modular:

```
bash
campus-events/
├── src/
│   ├── config/
│   │   └── db.js          # PostgreSQL connection
│   ├── models/           # SQL queries / DB logic
│   ├── routes/           # Express routes
│   ├── controllers/      # Business logic
│   └── index.js           # Main server entry
├── package.json
└── README.md
```

Copy code

+ Ask anything

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ChatGPT

Copy code

Step 2: Initialize Node.js Project

Run:

```
bash
mkdir campus-events && cd campus-events
npm init -y
npm install express pg dotenv
npm install --save-dev nodemon
```

Copy code

Add `scripts` in `package.json`:

```
json
{
  "scripts": {
    "dev": "nodemon src/index.js"
  }
}
```

Copy code

Step 3: Database Schema (PostgreSQL)

Here's a simple schema:

```
sql
--
```

Copy code

+ Ask anything

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https://chatgpt.com/g/g-p-68bbf96ae1e48191b61564232986055c-webknot/c/68bbf9dd-4a0c-8332-b5ac-d666ebefeb0c

ChatGPT

4. Paste the Schema

Copy this SQL and paste it into the Query Tool:

```
sql
CREATE TABLE colleges (
  id SERIAL PRIMARY KEY,
  name VARCHAR(100) NOT NULL
);

CREATE TABLE students (
  id SERIAL PRIMARY KEY,
  name VARCHAR(100) NOT NULL,
  college_id INT REFERENCES colleges(id)
);

CREATE TABLE events (
  id SERIAL PRIMARY KEY,
  name VARCHAR(100) NOT NULL,
  type VARCHAR(50),
  date DATE,
  college_id INT REFERENCES colleges(id)
);

CREATE TABLE registrations (
```

+ Ask anything

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https://chatgpt.com/g/g-p-68bbf96ae1e48191b61564232986055c-webknot/c/68bbf9dd-4a0c-8332-b5ac-d666ebefeb0c

ChatGPT

no tell me the next step in project

Perfect ✅ since your PostgreSQL database is now set up in pgAdmin, the next step is to connect your Node.js app to that database and start building features (APIs).

♦ Step 2 in Project: Connect Node.js to PostgreSQL

1. Update .env file

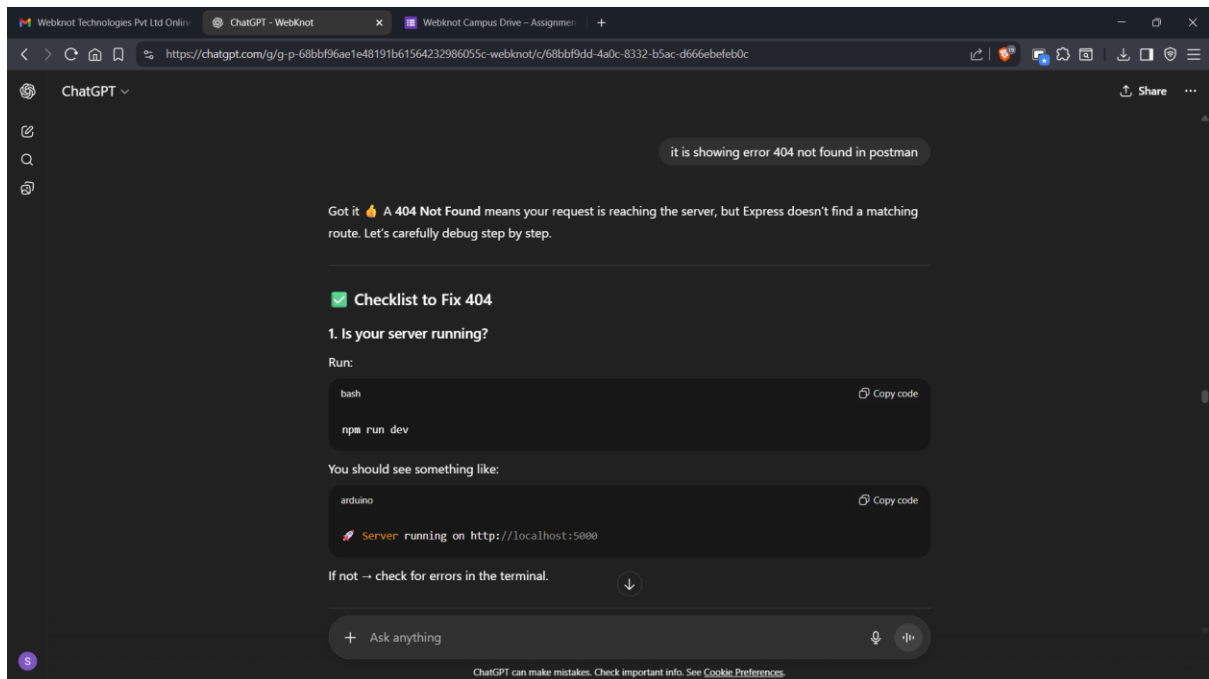
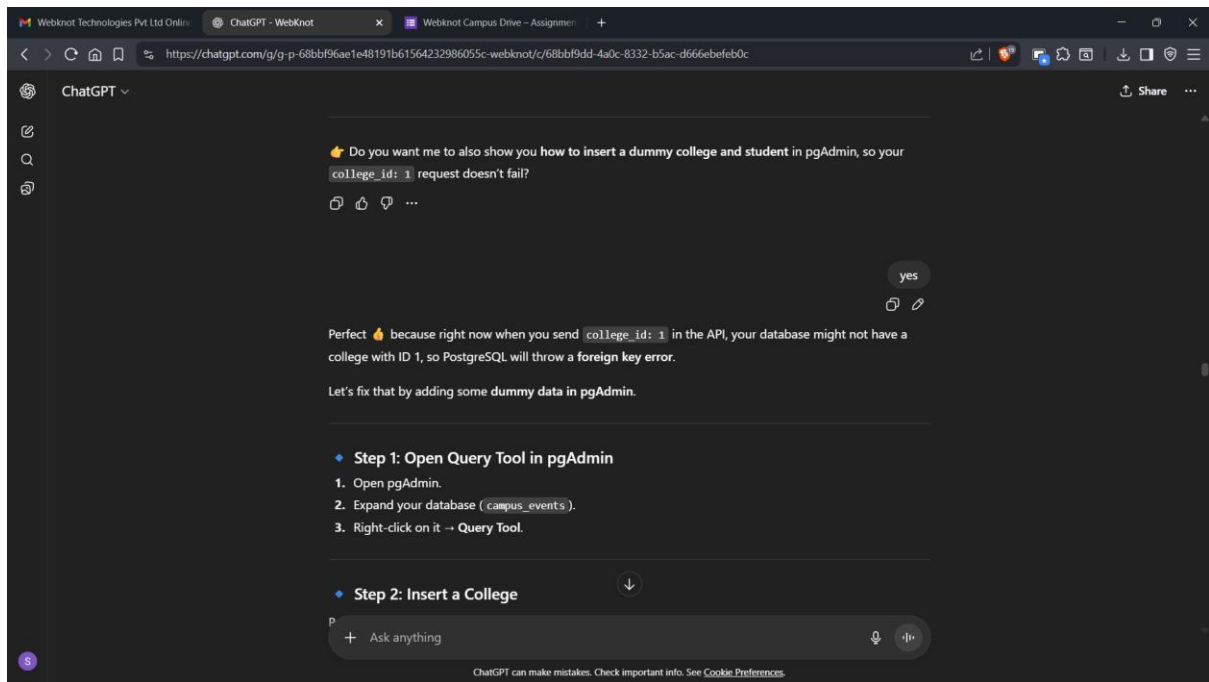
Inside your project root, create a file called .env:

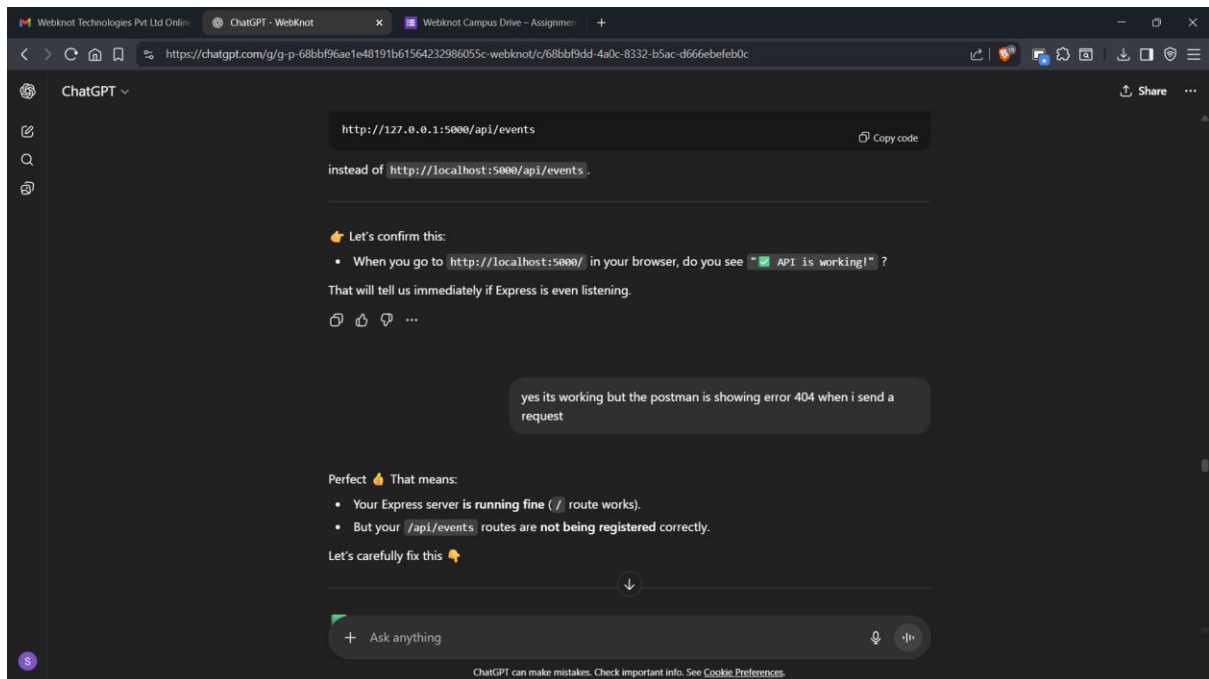
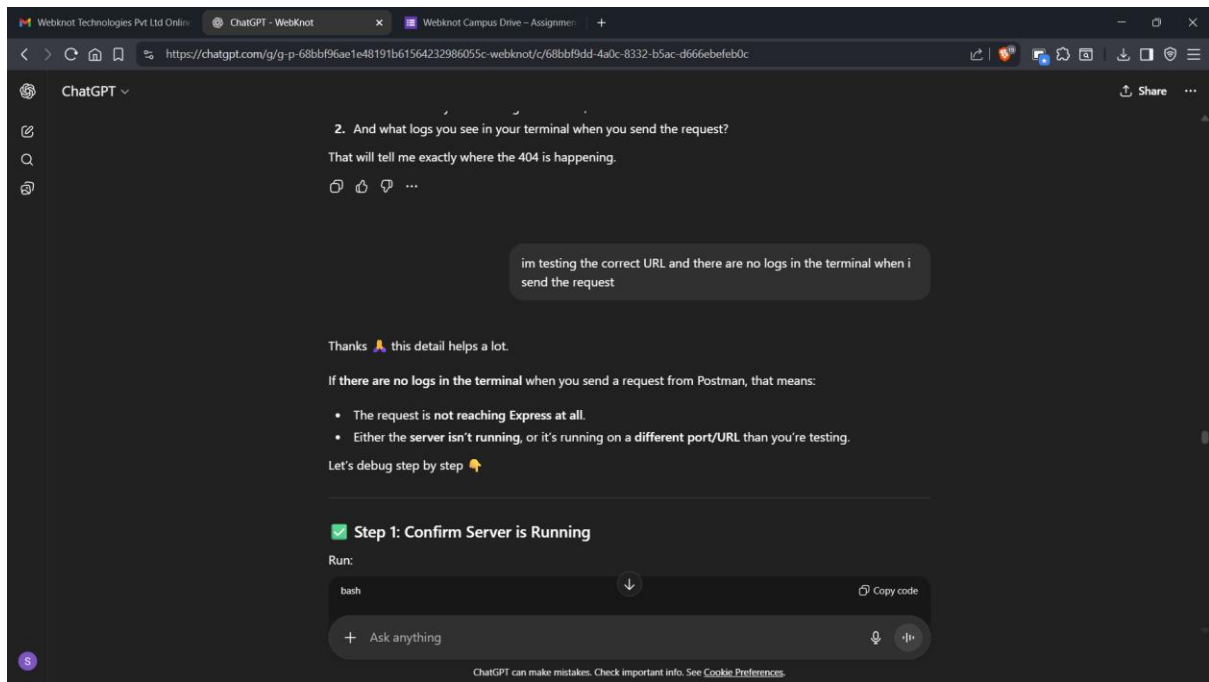
```
ini
DB_USER=postgres
DB_HOST=localhost
DB_NAME=campus_events
DB_PASS=yourpassword # replace with your pgadmin password
DB_PORT=5432
PORT=5000
```

2. Database Connection (src/config/db.js)

+ Ask anything

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ChatGPT

yes now its working now onto the next step in the project

Awesome 🎉 glad it's working now!
Now that event creation and listing works, the next logical step is to add student registration, attendance, and feedback APIs.
Let's start with student registration 🏆

Step 3: Student Registration API

1. Create Routes

```
src/routes/registrations.js
```

```
js
import express from "express";
import { registerStudent, getRegistrations } from "../controllers/registrations.js";

const router = express.Router();
```

Copy code

Ask anything

ChatGPT can make mistakes. Check important info. See [Cookie Preferences](#).

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https://chatgpt.com/g/g-p-68bbf96ae1e48191b61564232986055c-webknot/q/68bbf9dd-4a0c-8332-b5ac-d666ebefeb0c

ChatGPT

```
...
  "student_id": 1,
  "event_id": 1
}
```

Copy code

🏆 Do you want me to continue with the Attendance API now, so after registration you can also check-in a student?

yes

Perfect 🏆 now let's add the Attendance API. This will allow you to mark whether a student actually attended an event they registered for.

Step 4: Attendance API

1. Create Routes

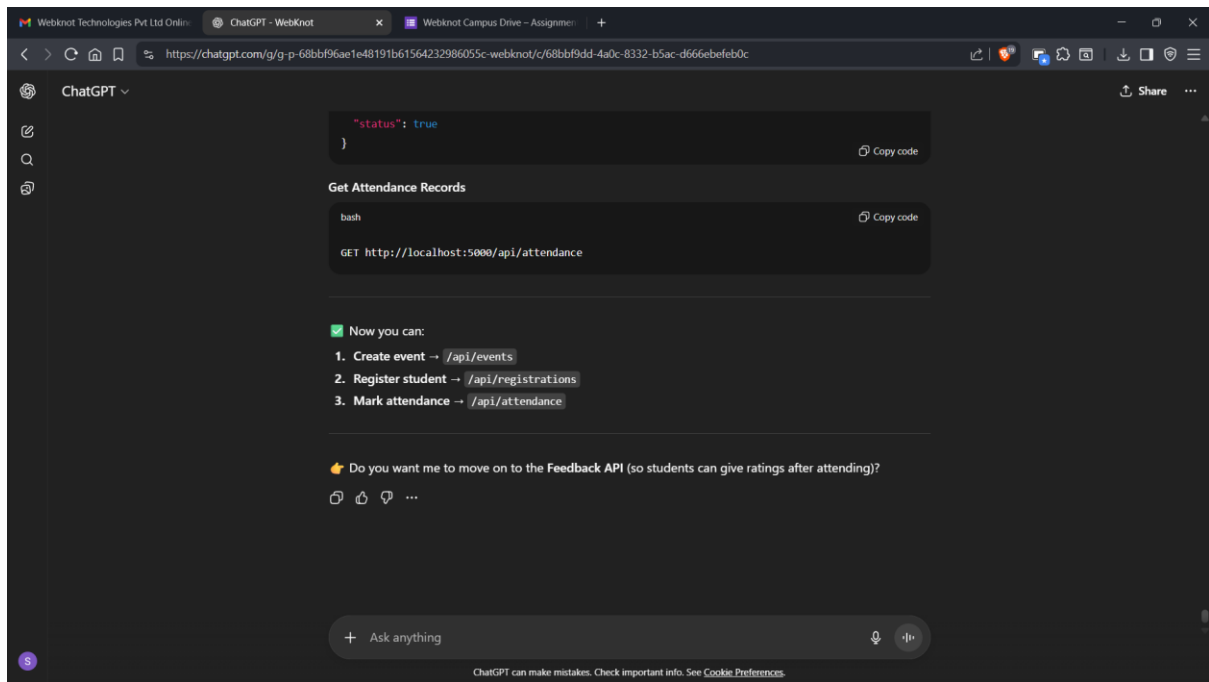
```
src/routes/attendance.js
```

```
js
```

Copy code

Ask anything

ChatGPT can make mistakes. Check important info. See [Cookie Preferences](#).



Here my ChatGPT Limit was exceeded so I switched to Perplexity AI as I own the Pro Model of it, and I continued my project development there.

The Challenges I faced:

- Firstly the setup of my node server were easily and smoothly done as I was experienced in it
- When it came to testing I have used Postman long time before , so due to it I needed the guidance of ChatGPT as I was getting 404 Error multiple times.
- Also the database setup was done smoothly as I was also having a good experience in using PostgreSQL

Now below are the Screenshots of my conversation with PerplexityAI:

Now ill send you my conversati...

perplexity.ai/search/now-ill-send-you-my-conversati-wnT57K2FRUK0h369LOaeg

Share

Now ill send you my conversation with chatGPT about my project which i am working on for getting shortlisted in a company I need you to understand it and help me continue the project ill send you the information you need and ill also upload the assingment description PDF which was sent by the hiring staff

Answer

Sources - 1

Steps

Attachment

Campus-Drive-Assignment-Webknot-Technologies.pdf

Understood. Please go ahead and share the conversation you had with ChatGPT about your project along with any other information or files you want me to review. Then I can help you continue and complete the project based on the assignment requirements and your existing work.

Share

Export

Rewrite

shall i share you the link or do i need to send you the text

Ask a follow-up...

Now ill send you my conversati...

perplexity.ai/search/now-ill-send-you-my-conversati-wnT57K2FRUK0h369LOaeg

Share

shall i share you the link or do i need to send you the text

Answer

Sources - 1

Steps

Attachment

Campus-Drive-Assignment-Webknot-Technologies.pdf

It is better to share the conversation as text here, so it can be easily referenced and integrated into the project assistance. Sharing the link alone may limit immediate access to the full context. Please go ahead and send the text of your conversation with ChatGPT related to your project.

Share

Export

Rewrite

[Campus Drive Assignment – Webknot Technologies.pdfPDF]()

Dear Students,

As discussed, we are excited to move forward with the campus placement process. To ensure students get a real taste of how we work and to evaluate their skills fairly, we

Ask a follow-up...

Now ill send you my conversati... x +

perplexity.ai/search/now-ill-send-you-my-conversati-wnT57K2FRUK.0h369LOaeg

Show more

Answer Sources 1 Steps

Attachment
Campus-Drive-Assignment-Webknot-Technologies.pdf

Based on the detailed conversation and project context shared, here is a well-structured execution plan and next steps to continue the Campus Event Management Platform project using Node.js and PostgreSQL:

Current Progress Summary

- You have successfully created PostgreSQL tables using pgAdmin.
- You connected Node.js Express server to the database.
- Event creation and listing APIs (`/api/events`) are working.
- Dummy data for college and students are inserted.
- Student registration API (`/api/registrations`) is implemented and tested.
- Attendance API (`/api/attendance`) is implemented and tested.
- Server is responding correctly without route issues.

Recommended Next Steps to Continue F ↓ >ct

Ask a follow-up...

Now ill send you my conversati... x +

perplexity.ai/search/now-ill-send-you-my-conversati-wnT57K2FRUK.0h369LOaeg

[Campus Drive Assignment – Webknot Technologies.pdf(PDF)]() Dear Students, As...

Answer Sources 1 Steps

Recommended Next Steps to Continue Project

1. Implement Feedback API

- Enables students to submit event feedback (rating 1-5).
- API endpoints:
 - POST `/api/feedback` — Submit feedback.
 - GET `/api/feedback` — Fetch all feedback (for testing).
- Logic must ensure only students who attended an event can submit feedback.

Route Setup:

- Create `src/routes/feedback.js` with POST and GET routes.
- Create `src/controllers/feedback.js` with logic similar to attendance:
 - Check if student attended the event.
 - Insert or update feedback rating.

Import feedbackRoutes in `src/index.js` and mount at `/api/feedback`.

2. Develop Reports APIs

Reports should include:

Ask a follow-up...

Now ill send you my conversati...

perplexity.ai/search/now-ill-send-you-my-conversati-wnT57K2FRUK.0h369LOaeg

☆

[Campus Drive Assignment – Webknot Technologies.pdf(PDF)]() Dear Students, As...

Answer

Sources 1

Steps

2. Implement Reporting APIs to generate required reports.

3. Add sufficient sample data for meaningful testing.

4. Begin documenting the design document and README content.

If you want, I can help start writing code for the Feedback API or sample queries for reports next. Let me know which you prefer to tackle right now!

Share

Export

Rewrite

start writing code for the Feedback API

Answer

Steps

Here is the Feedback API implementation for your Node.js + PostgreSQL project:

1. Create Feedback Routes

Ask a follow-up...

Now ill send you my conversati...

perplexity.ai/search/now-ill-send-you-my-conversati-wnT57K2FRUK.0h369LOaeg

☆

start writing code for the Feedback API

Answer

Steps

GET http://localhost:3000/api/feedback

This implementation ensures only students who have marked attendance (status = true in attendance table) for the event can submit or update their feedback rating (1 to 5).

Let me know if you want help testing this or want to move next to report APIs.

Share

Export

Rewrite

move on to the next step

Answer

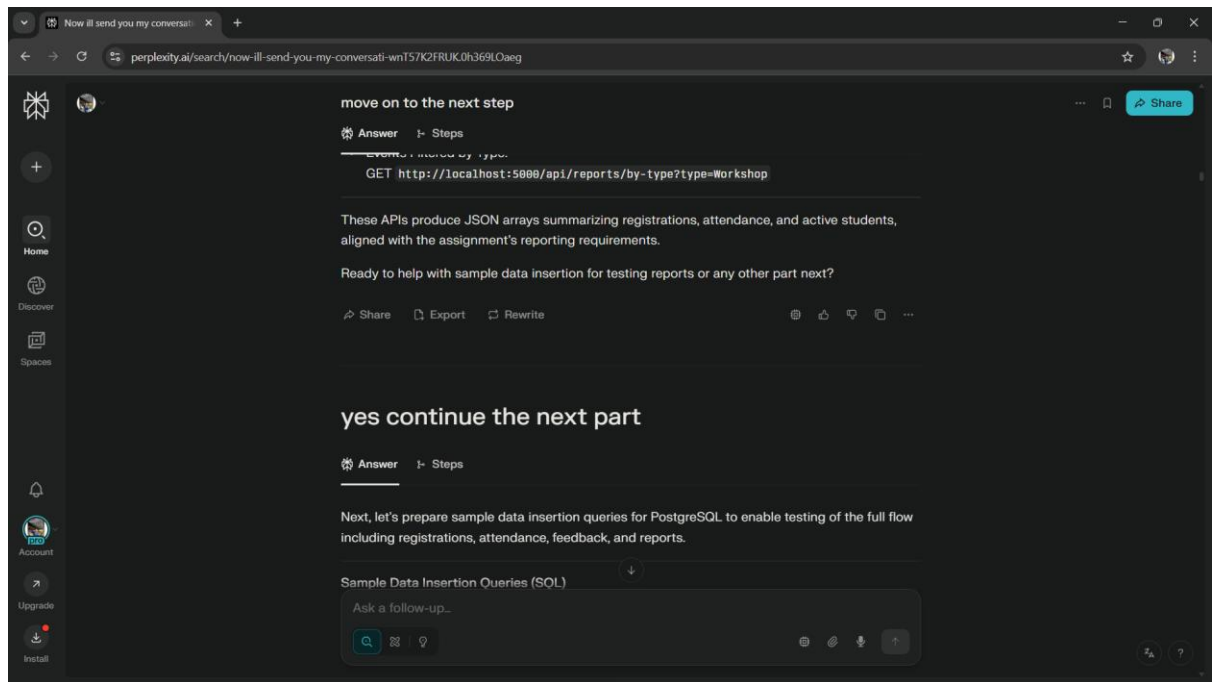
Steps

The next step is to implement the Reporting APIs that generate the required reports:

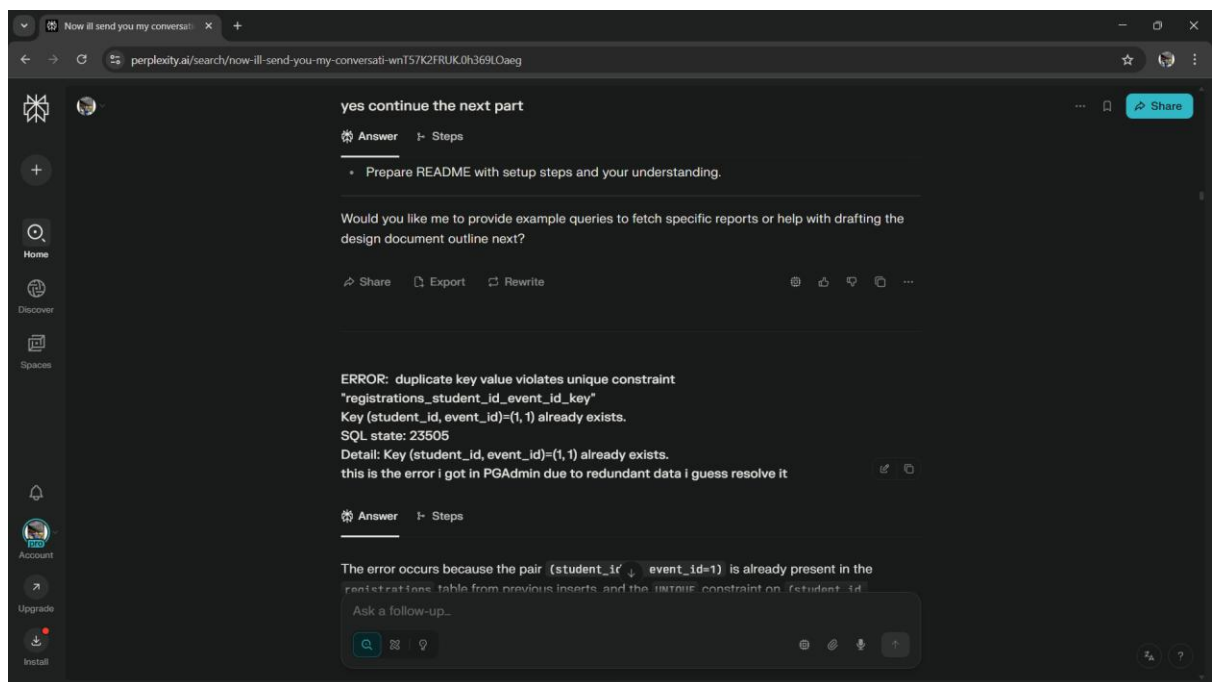
1. Create Routes for Reports

File: src/routes/reports.js

Ask a follow-up...



I was inserting some data in the tables for testing the API



Here I got error in PostgreSQL's Pgadmin due to insertion of some redundant data as the auto-increment was assigning Primary key ID's and the AI was giving me insertion data during POST request with the same ID's , hence in shared the screenshots of my Database tables so that it can give me the insertion data accordingly to avoid any further errors.

Now ill send you my conversati...

perplexity.ai/search/now-ill-send-you-my-conversati-wnT57K2FRUK.0h369LOaeg

Share

yes

Answer

Steps

new content

You can paste and run this whole script in pgAdmin's Query Tool safely, multiple times without causing duplicate key errors.

Let me know if you want help testing reports or moving to design documentation next!

Share

Export

Rewrite

I can share the present data in my tables so that inserting new data won't arise any new errors and you can give me updated code for inserting new data

Answer

Steps

Yes, please share the current data present in your tables (colleges, students, events, registrations, attendance, feedback). Based on that, I can provide updated insertion queries that avoid duplicates and fit your existing data perfectly. You can share the output of queries like:

Ask a follow-up...

Now ill send you my conversati...

perplexity.ai/search/now-ill-send-you-my-conversati-wnT57K2FRUK.0h369LOaeg

Share

this query is giving the output which is not showing the whole data can you provid...

Answer

Sources 1

Steps

contents to a CSV or text file and then paste the data here.

Let me know whether you prefer to send screenshots, paste exported rows as text, or need more help on how to extract the full table contents for review!

Share

Export

Rewrite

these are the outputs of first four queries ill send you the rest in next prompt

Answer

Sources 4

Steps

The current data in your database is as follows:

colleges:

id: 1, name: Tech University

image.jpg


students:

Ask a follow-up...

Now ill send you my conversati...

perplexity.ai/search/now-ill-send-you-my-conversati-wnT57K2FRUK.0h369LOaeg

☆



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these are the outputs of first four queries ill send you the rest in next prompt

Answer

Sources 4

Steps

This gives a clear foundation for preparing new non-conflicting sample data for further testing. Please continue to send the outputs for the attendance and feedback tables, and I will provide the updated insertion queries ensuring there are no conflicts or duplicates.

Share

Export

Rewrite

these are the remaining data now give me the updated insertion queries

Answer

Sources 2

Steps


Based on your current table data—which contains only records for "Tech University," two students (Alice Johnson and Bob Smith), one event (Hackathon 2025), registration/attendance/feedback only for Alice Johnson—here are updated, non-conflicting sample insertion queries for you to test with new colleges, students, events, registrator, attendance, and feedback.

Ask a follow-up...

Now ill send you my conversati...

perplexity.ai/search/now-ill-send-you-my-conversati-wnT57K2FRUK.0h369LOaeg

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these are the remaining data now give me the updated insertion queries

Answer

Sources 2

Steps

Share

Export

Rewrite

ERROR: insert or update on table "students" violates foreign key constraint "students_college_id_fkey"

Key (college_id)=(2) is not present in table "colleges".

SQL state: 23503

Detail: Key (college_id)=(2) is not present in table "colleges".

Answer

Steps

The error means that you are trying to insert students with college_id 2 or 3, but these college IDs do not exist yet in the colleges table. Since the foreign key constraint requires that each student's college_id must exist in the colleges table, it's essential to insert the new colleges first and commit those inserts before adding students.

How to resolve:

1. First insert the new colleges, get their assigned IDs, and confirm they exist.

Ask a follow-up...

Now ill send you my conversati...

perplexity.ai/search/now-ill-send-you-my-conversati-wnT57K2FRUK0h369LOaeg


ERROR: insert or update on table "students" violates foreign key constraint...

AnswerSteps

ShareExportRewrite

i got the college id in this unusual sequence

AnswerSources 1Steps

Since your college IDs are now:
1 = Tech University
8 = Engineering College 1
9 = State University
10 = City Tech 

You must reference these exact college_id values when inserting students and events to avoid foreign key errors.

Ask a follow-up...

Now ill send you my conversati...

perplexity.ai/search/now-ill-send-you-my-conversati-wnT57K2FRUK0h369LOaeg

i got the college id in this unusual sequence

AnswerSources 1Steps


register students, mark attendance, and add feedback for these events.

Let me know once you have student and event IDs—I'll provide the correct values for the next insertions to complete your sample dataset without conflict.

ShareExportRewrite

this is the current data can we do anything to make the ids in a sequence so that it won't cause any problem while testing

AnswerSources 2Steps

Your IDs are auto-generated and will naturally increase as you add more records, which is expected behavior in relational databases. Gaps in sequences (e.g., jumping from 2 to 11) often occur due to deletions or sequence adjustments and do not cause problems for testing or functionality, as long as you reference the correct IDs in related tables. 

Ask a follow-up...

Now ill send you my conversati...

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this is the current data we can do anything to make the ids in a sequence so that it...

Answer Sources 2 Steps

66 Sample Insert Queries Using Actual IDs sql-- Registrations INSERT INTO registrations...

do i need to insert this before moving on to the next step

Answer Steps

Yes, it is recommended to insert this sample data into your database before moving on to the next step. This will populate your `registrations`, `attendance`, and `feedback` tables with relevant test records aligned with your current students and events.

Having this data in place ensures you can properly test your APIs and generate accurate reports on registrations, attendance, and feedback.

Proceed to run these insertion queries in your pgAdmin Query Tool, then you can confidently move forward with testing and development steps.

Share Export Rewrite

Ask a follow-up...

Now ill send you my conversati...

perplexity.ai/search/now-ill-send-you-my-conversati-wnT57K2FRUK.0h369LOaeg

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Install

do i need to insert this before moving on to the next step

Answer Steps

done

Answer Steps

Great! Now that the sample data for registrations, attendance, and feedback is in place, the next natural step is to:

- Test your API endpoints for registration, attendance, feedback, and reports using this data.
- Verify the correctness of the reports generated by your reporting APIs.
- Start drafting your design document including schema diagrams, API design, workflows, assumptions, and edge cases.
- Prepare your README documenting your understanding and setup steps.

Would you like help with example API test cases, sample report queries, or the design document outline next?

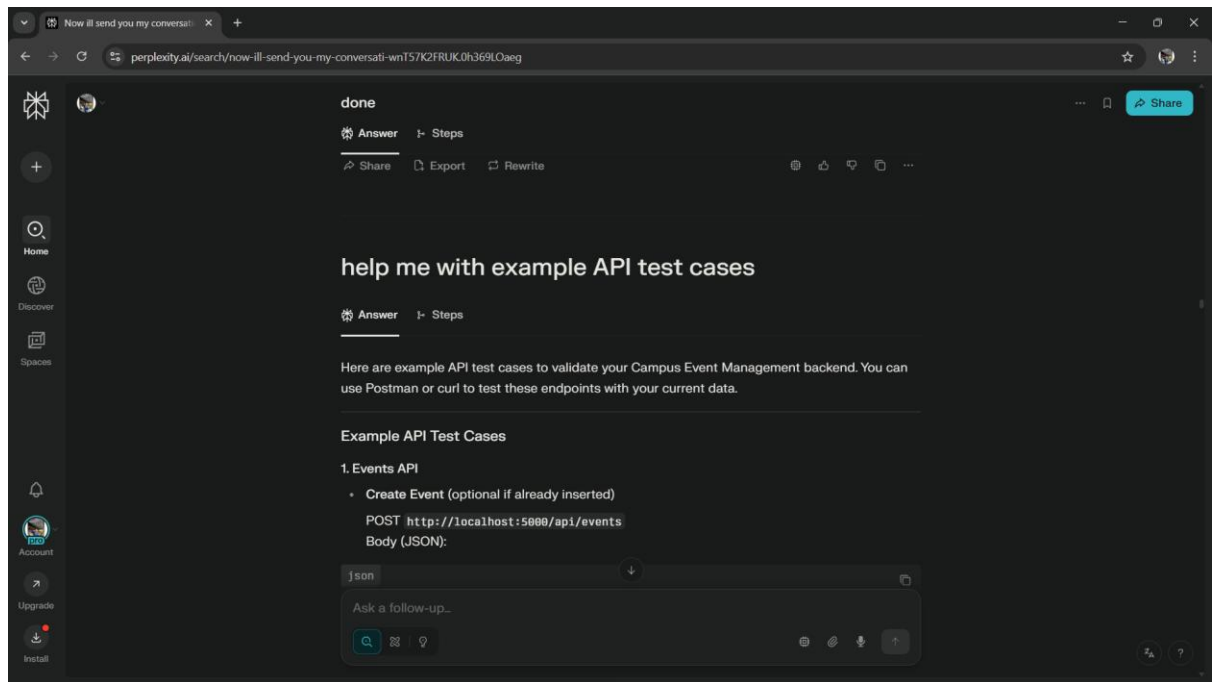
Share Export Rewrite

Ask a follow-up...

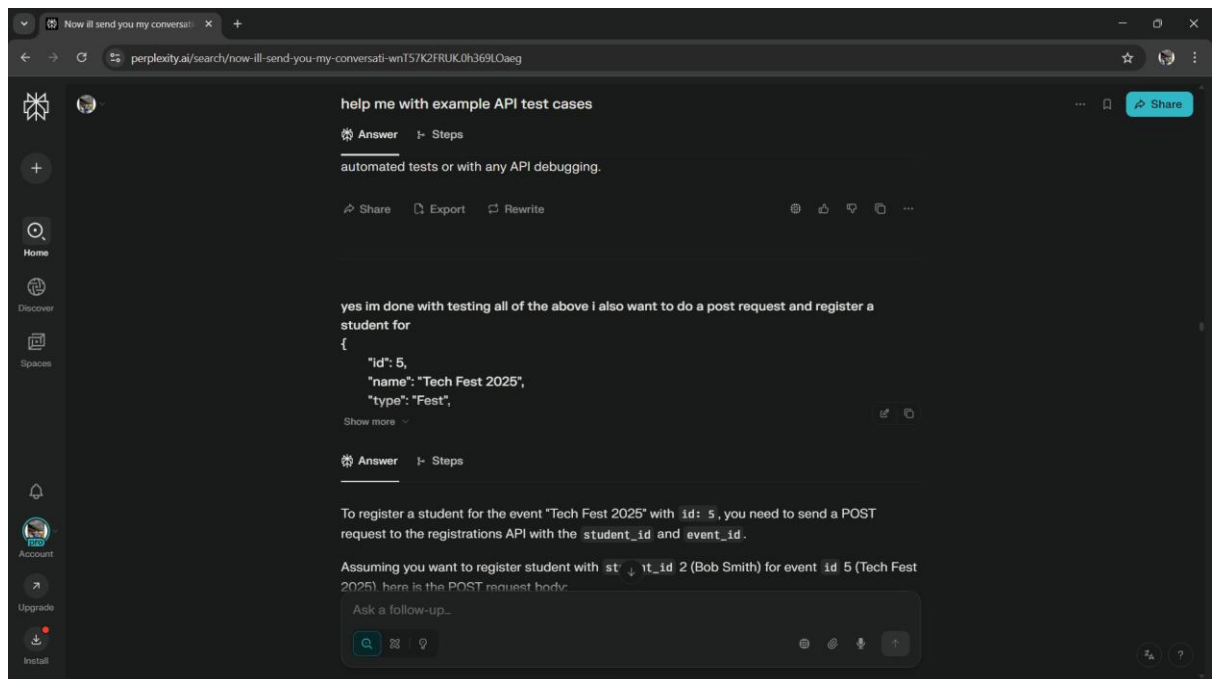
Snipping Tool

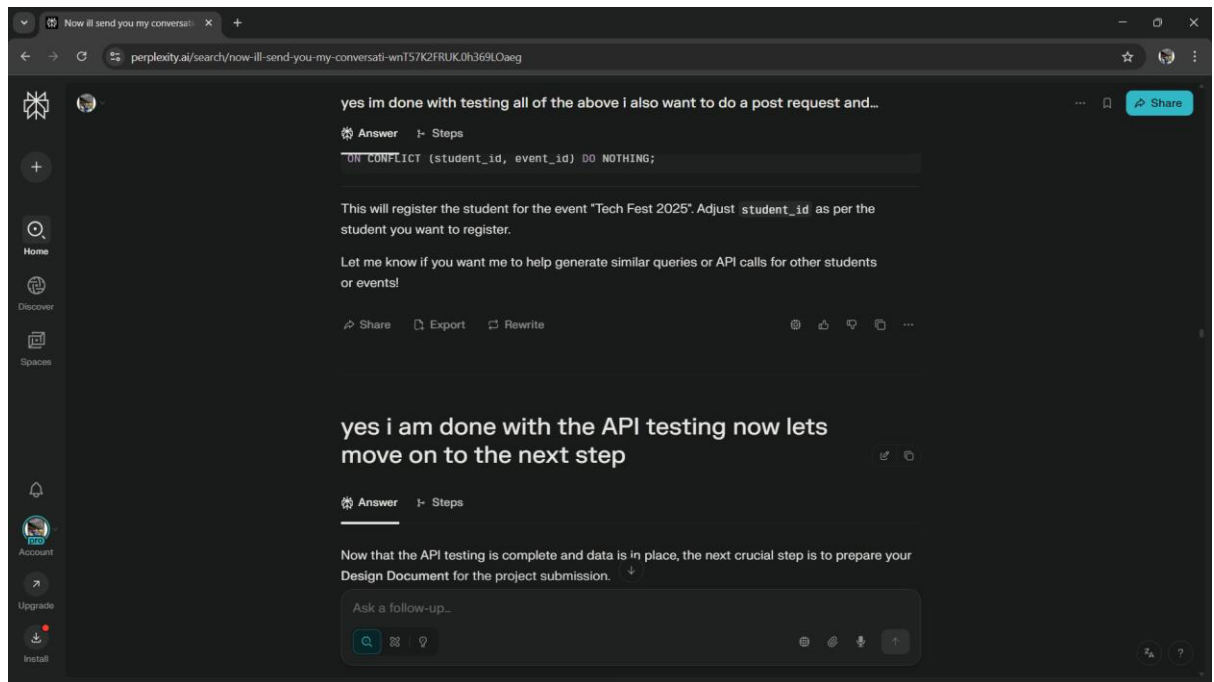
Screenshot copied to clipboard
Automatically saved to screenshots folder.

Mark-up and share



Till now I was testing the API endpoints using the query provided by the AI then I realised that I needed to try doing some post request on my own hence I told the AI to generate a POST request as per my requirement





This is the end of my conversation with the AI and after this I started preparing the Design Document, Report, AI conversation log and The Readme file(in my Own words).

I have not used the help of AI in explaining my conversations with AI and, I'll ensure the same with the readme file.

Thank You for giving me this opportunity to showcase my skills in this manner, I hope my submission is reviewed properly and the decision is taken about my future with **Webknot Technologies Pvt Ltd.**