Technologies Used :   By: **Subhodip Roy**

°) Backend server : Express.js

°) Database : Mongo DB. (Postgres preferred)

°) Authentication : Clerk

°) Frontend Server : Next.js + Typescript

°) CSS : Tailwind css with help Flowbite.

Backend remain task

°) Securing api routes with clerk.. Right now
it's with JWT, as we are using clerk in
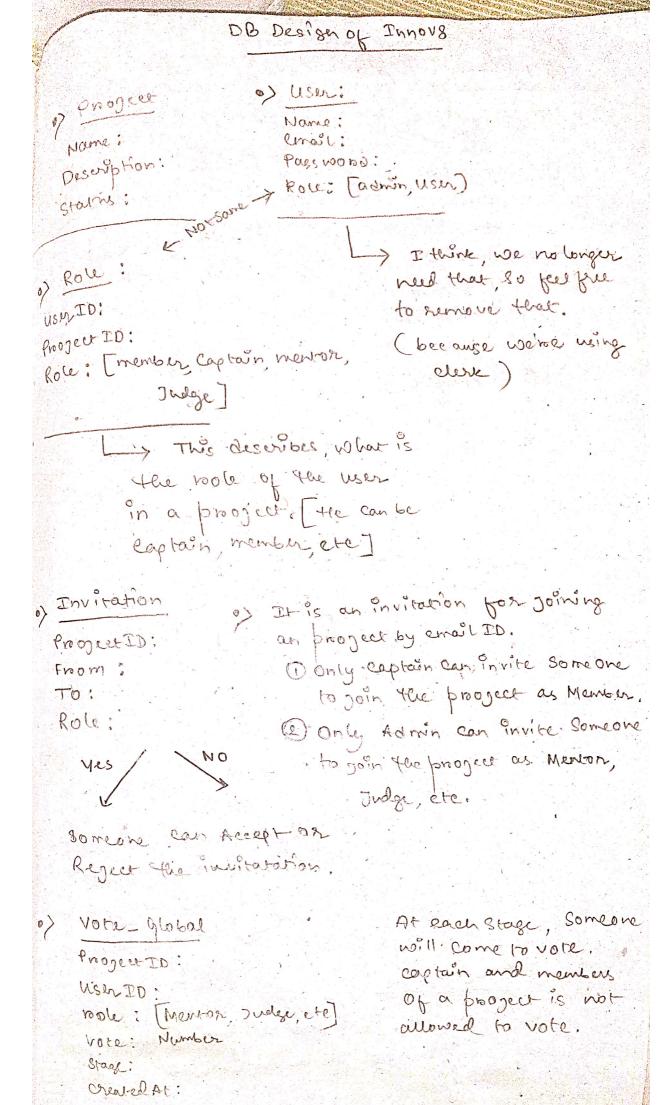frontend, using it over backend is also
a good choice and extremely easy.

Reference : **Clerk Documentation for Express.js**

°) API Endpoint :

① /get-score-of-hypothesis ? hypothesisId=${ }
explanation: right now, we have all the
score of all type of user. (member,
captain, mentor) calculate the score
based on the algorithm and return it.

Note : Ask Pritvi about it.

② /get-score-of-project ? stage = ${stage}
explanation: right now, we have all
the scores at each phase of
Judges, return those score based on
each phase. (No any complex algo required)

DB Design of Innov8

o) **Project**

Name:
Description:
Status:

← Not sure →

o) **User:**

Name:
email:
Password:
Role: [admin, user]

↳ I think, we no longer need that, so feel free to remove that. (because we're using clerk)

o) **Role:**

User ID:
Project ID:
Role: [member, captain, mentor, Judge]

↳ This describes, what is the role of the user in a project. [He can be captain, member, etc]

o) **Invitation**

Project ID:
From:
To:
Role:

Yes / NO

Someone can Accept or Reject the Invitation.

o) It is an invitation for joining an project by email ID.
① Only captain can invite someone to join the project as Member.
② Only Admin can invite someone to join the project as Mentor, Judge, etc.

o) **Vote_global**

Project ID:
User ID:
role: [Mentor, Judge, etc]
Vote: Number
Stage:
Created At:

At each Stage, someone will come to vote. captain and members of a project is not allowed to vote.

BIV Phase [Business Idea Validation Phase]

① **Hypothesis**

Project I.D
title
Description
User I.D
Created at
Overall Score

→ Captain can create, delete hypothesis

→ One project can have multiple hypothesis.

② **meeting hypothesis**

→ Invite mentor and other member for a meeting, where they can evaluate whether the hypothesis is correct or not.

→ If they get a meeting invite, automatically they are eligible for voting that particular hypothesis for which meeting was all about.

→ Those who have received meeting email, they are only eligible for voting_hypothesis.

③ **vote_hypothesis**

→ This is where a scoring algorithm need to be implemented.

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