

# DBMS ASSIGNMENT 2

## How did we build the application?

As the project is building a Community Question Answer (CQA) website, first of all we took inspiration from other existing websites like Stackoverflow, and did the part of wireframing at first. After wireframing the website we decided to use NextJS13 for frontend, serverless functions and PrismaORM for managing the database. We used PostgreSQL database.

After deciding the techstack we decided to build the components required for the website, we started with loading the data in the PostgreSQL database and queried it on frontend via Prisma using NextJS13 server components.

We also maintained a simple nodejs project for testing the prisma async functions and once the tests are successful we implemented them as server components and serverless functions.

We tested this with a random userID, postID at first, later implemented cookie based authentication and used these cookies to get the userID and required details and we also used TailwindCSS for styling the website.

## Architecture of website?

Frontend:-NextJS

Database:-PostgreSQL

ORM:-Prisma

Handling APIs:-NextJS server components

## Programming languages used

Only Javascript

## Contribution of each group member in the implementation

Our team consists of 2 members

i) Summeth Kumar(AI21BTECH11008) :- Wireframing, Design, UX of the website and testing the APIs and user authentication

ii) Avinash(AI21BTECH11018):-Development of remaining website