

Program Documentation

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Table of Contents

About EduQuest.....	3
Technologies Used.....	4
How to Download.....	5
How to Use.....	6
Credits/Sources.....	10



About EduQuest

EduQuest is a platform where teachers can reward students for their hard work, whether it is in the classroom or outside the classroom. Through our platform, teachers are able to create classrooms for various activities, and students are able to join them using a class code (similar to Google Classroom).

Teachers can give students points through 2 ways, either by using our preset activities, or choosing their own amount of points. As students earn points, they are able to redeem them for different prizes of different point values.

Teachers are also able to choose a random winner, see who has the most points, and generate a PDF Report to see which students have the most points.

Overall, this app will help teachers get more engagement within the classroom.



Technologies Used

This website was created using TypeScript, Next.js, CSS, and firebase.

TypeScript and Next.js were used over HTML, CSS, and JavaScript because the former is more efficient, scalable, and maintainable.

This website also used firebase for the database, which made user authentication and storing data easy, maintainable, and scalable.



How to download & run

1. In the terminal, type "git clone <https://github.com/jpunjabi314/eduquest.git>"
2. Install all dependencies with yarn (use yarn install)
3. Setup a .env file with the following credentials:
 - NEXT_PUBLIC_FIREBASE_API_KEY
 - NEXT_PUBLIC_FIREBASE_PROJECT_ID
 - NEXT_PUBLIC_FIREBASE_APP_ID
 - GCLOUD_CREDENTIALS

These can be found in your firebase project.

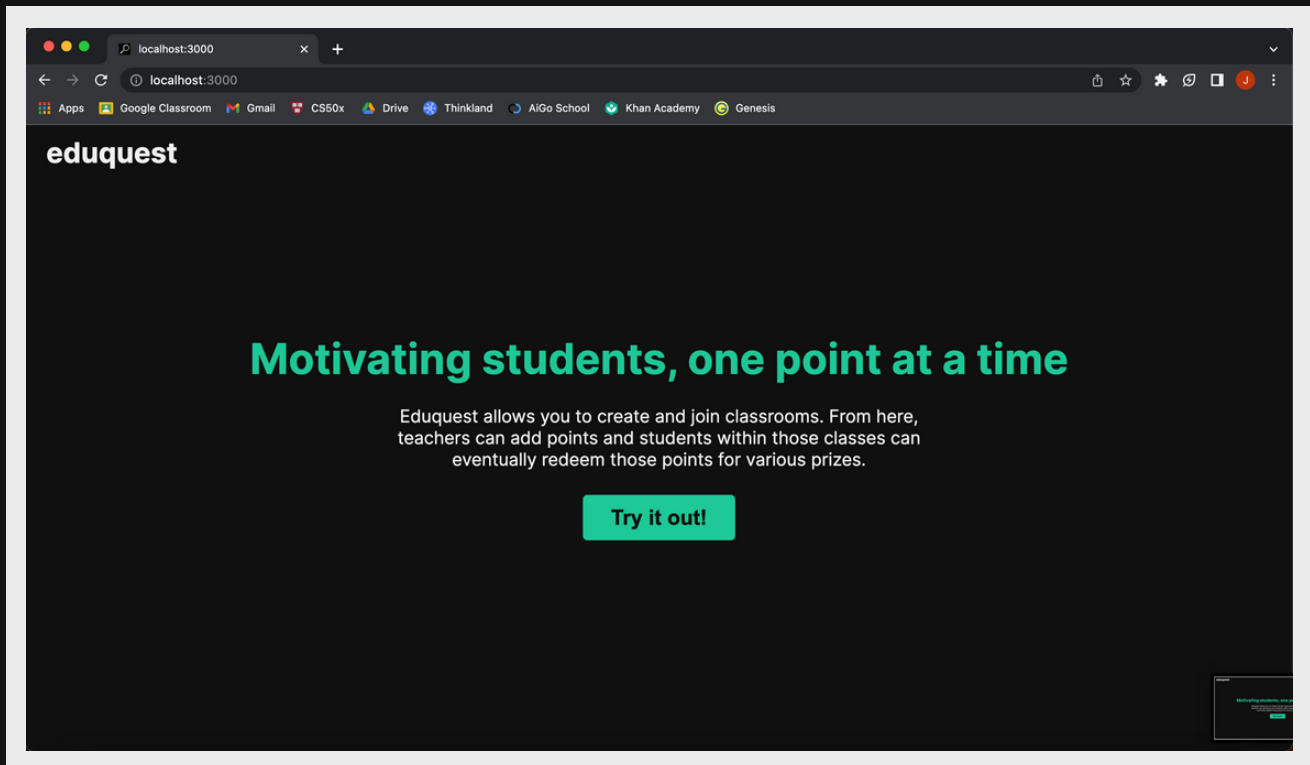
For the GCLOUD_CREDENTIALS, convert it to a 64-bit JSON string.

4. Run "yarn upgrade"
5. Run "yarn add yarn"
6. Run "export NODE_OPTIONS=--openssl-legacy-provider"
7. Run "yarn dev" & your website should be up and running!



How to use

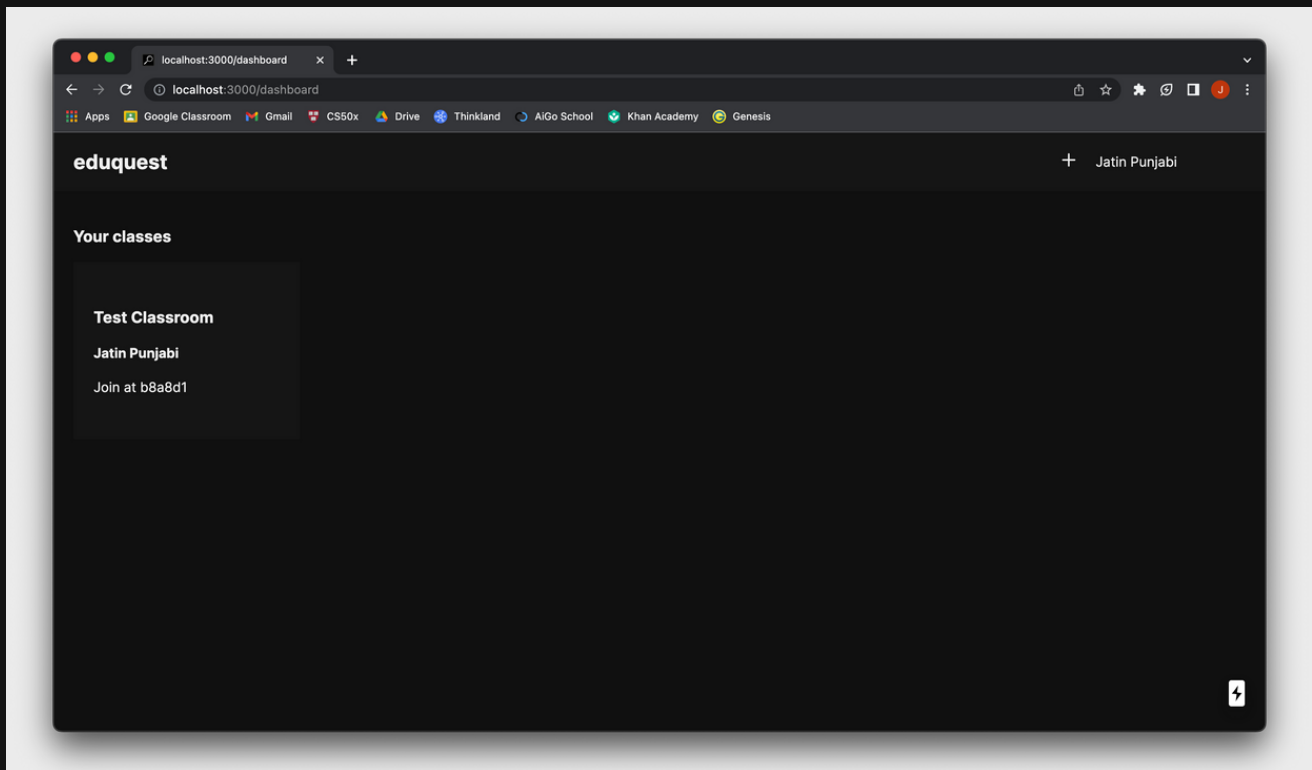
Landing Page



This is the home page of the website, this is where users can log in.



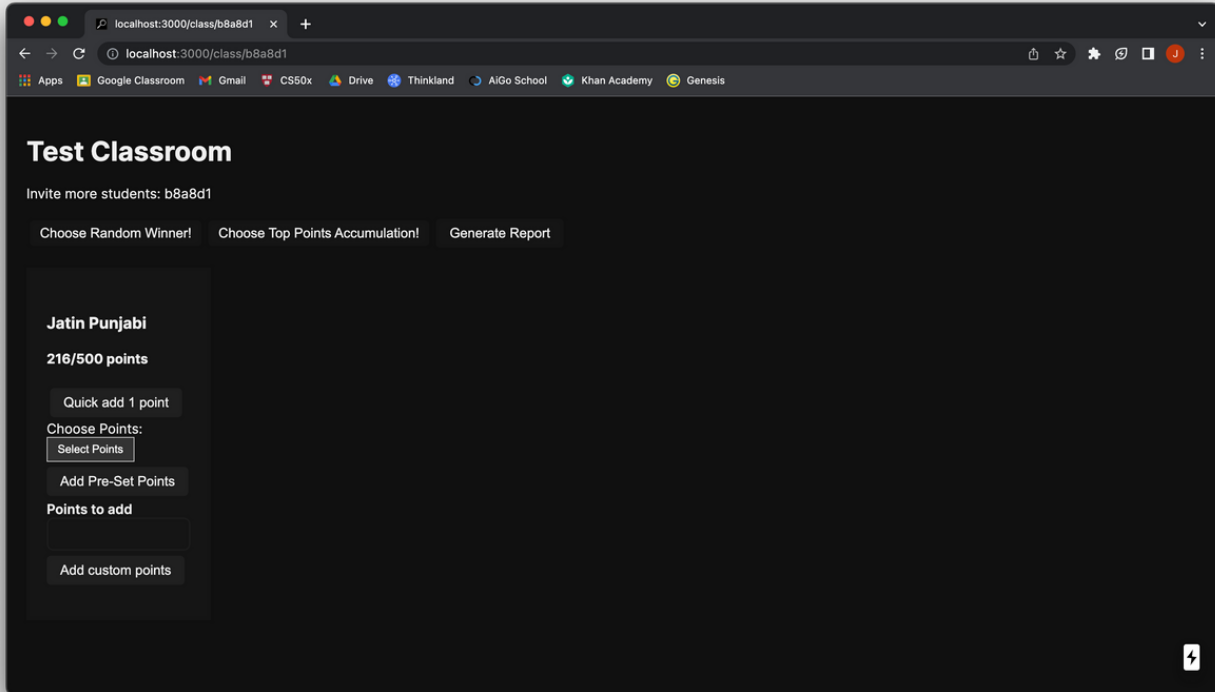
Dashboard



This is the page where teachers & students can see what classes they are enrolled in/own



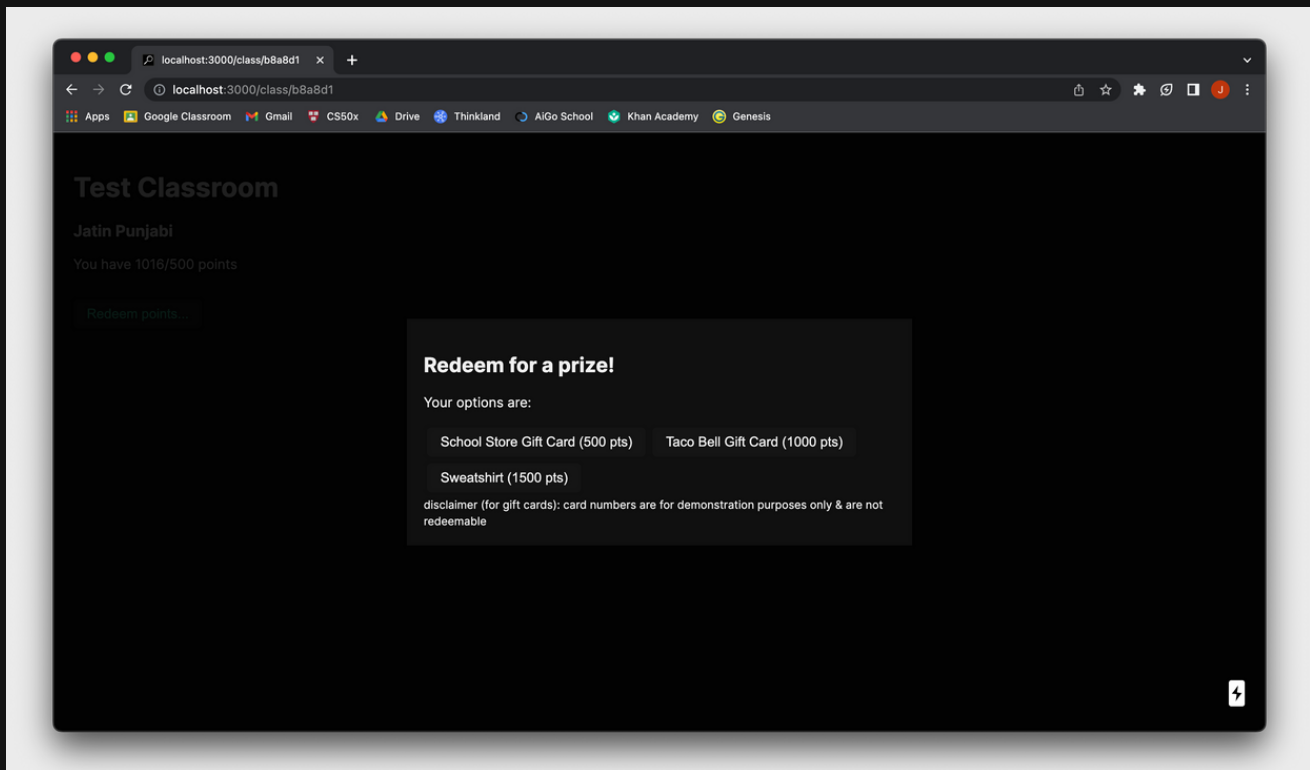
Teacher Dashboard



Teachers are able to assign points to students through this dashboard, along with view the student with the most points and generate a report of the students in their classes.



Student Dashboard



Students are able to redeem their points for a prize on their dashboard, after their teacher awards them with enough points.



Credits

- Database is used from firebase, using an API
- Used a template on Github to develop website
 - Credit to @kognise & @ajkachnic
- All graphics are from Canva Pro
- ChatGPT used for debugging help

