

repz

The social fitness app.

REPZ is a mobile app developed focusing the gym community . Fitness meets society, the perfect fusion for a healthier and fitter future.



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THE PROBLEM

In today's fitness world, many fitness enthusiasts struggle to find a comprehensive solution that not only helps them track their workouts but also connects them with a like-minded community.

CONTEXT

We started this as a hobby project with of hope of learning something new. We've had our exposure to programming around 3 years back, so we were in good shape to kick start this project. We have been active members of the gym community for well over two years, and we feel we that this app addresses a lot of problems within the gym community. We had already begun development of the app when we saw the IDEALIZE flyer. So we decided to accelerate development and deliver a finished product for the competition.



REPZ in Action

SOCIAL ASPECT

REPZ is a social fitness app. Users can submit gym-related content and talk to their friends. REPZ safeguards user privacy in the same manner as other social networking platforms.

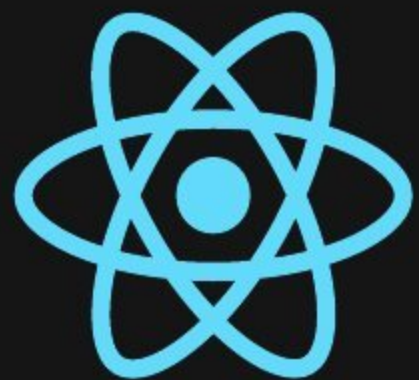
These functions are not merely conceptual in fact most of these features have already been integrated into our app.

WORKOUT DESIGN

As they finish their activities at the gym, our users can select from a variety of pre-made workouts or even create their own. The user must indicate that they have finished their workout in this interactive process.

GYM ENTITY

This is where REPZ starts to deviate completely and outshine all its competitors. Our app consists of a gym entity where a user can scan a QR code to join a gym. Here members of a gym can interact with each other and even workout together in sync as a group.



React Native

We needed a cross platform solution, so we decided to go with React Native as it provides an excellent developer experience thanks to the Expo managed workflow.



We used NestJS due to its opinionated nature and we felt that in the long run this would help with scalability. It uses Typescript, so it helped us build an efficient and secure backend.



Had no experience prior to this project. Picked up the language from scratch easily because it was a superset of JavaScript. It provides excellent type-safety so we had to spend a lot less time debugging.



We used Nativewind which is the React Native version for TailwindCSS. We were able to easily achieve our styling goals with TailwindCSS



Learning SQL from scratch was not on our to-do list, since Prisma has excellent safety features so we decided to go with it. Prisma made the most tedious SQL queries look like the easiest 4 lines of code.



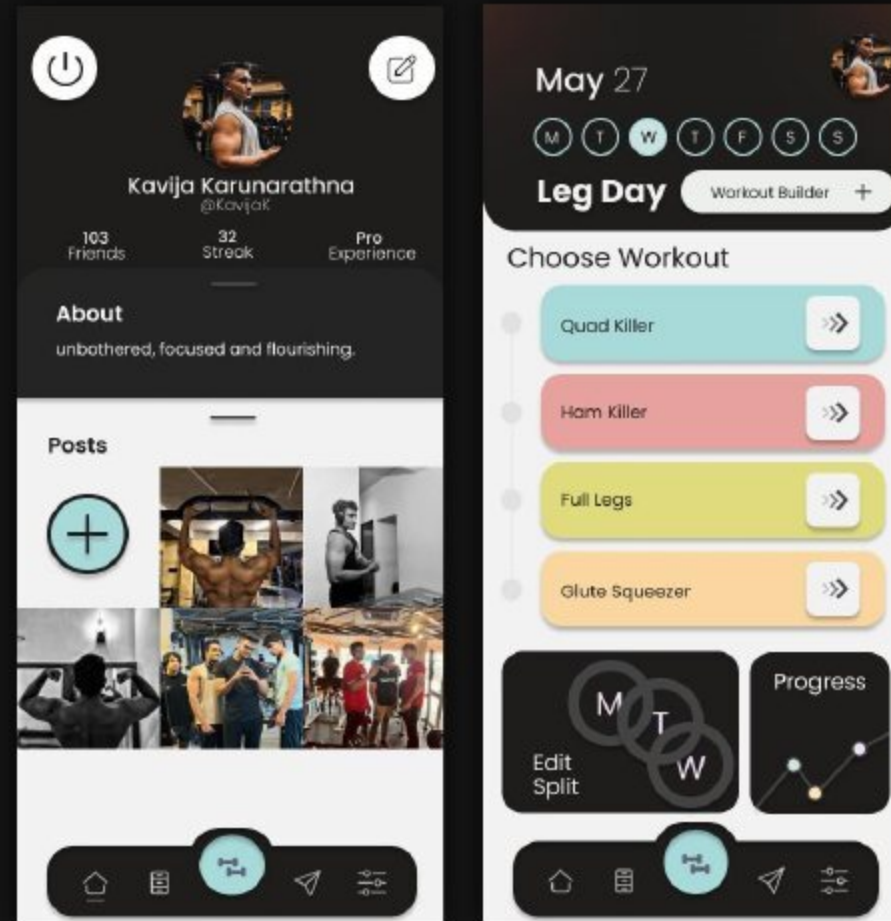
We chose a semantic database like PostgreSQL because we needed to conduct transactions in the backend and MongoDB does not support it.



Learning Websockets was laborious, but the result was worthwhile. It allowed us to build our real-time chat service and also the online presence microservice.



Out with the old...



in with the new!

UI / UX Design

We wanted to build a really unique looking interface. So we got creative and built something entirely new. But when we presented the design to the community they did not like it much even though they loved what the app offered. So even after building most of the app with this design language, we completely changed our UI and started rebuilding.

Marketing Strategy

We will begin implementing the app in our own gyms since it is intended for the gym community. Users can join in on the fun by scanning a banner hung at the gym using the built-in QR-scan capability of the app.

In addition to publishing original content, we will also establish a social media presence and place sponsored adverts. In the gym, we intend to produce a cinematic video that demonstrates how the members of the gym utilize the app.

Future Roadmap

