



Bring JWC Online

—— Group Project Presentation

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Inspiration & Application

- Printer and Scanner real-time monitoring web page on UCLA Mobile app
- Have to be there to see if there's free equipment
- Could extend this web app to cover both BFit and JWC
- Interactive app to get everyone exercise!



Implementation Tools & Teamwork Specification

- Replit ---- coworking
- Language: Next
- Database: MongoDB
- Local
- Division of Labor
 - MongoDB database, connection and basic framework of app: Zihao Dong
 - Occupy and like feature for each machine: Guofeng Zhang
 - Exercise time recording and user ranking feature: Suzie Xu
 - Search for historical availability data: Tony Ding



Functionalities & Respective Techniques

- 1: `getServersideProps`
- 2: `material-ui` for styling
- 3: `mongodb` lib
- 4: `fetch()` API-Route
- 5: `nextauth` for sign in

Basic Features:

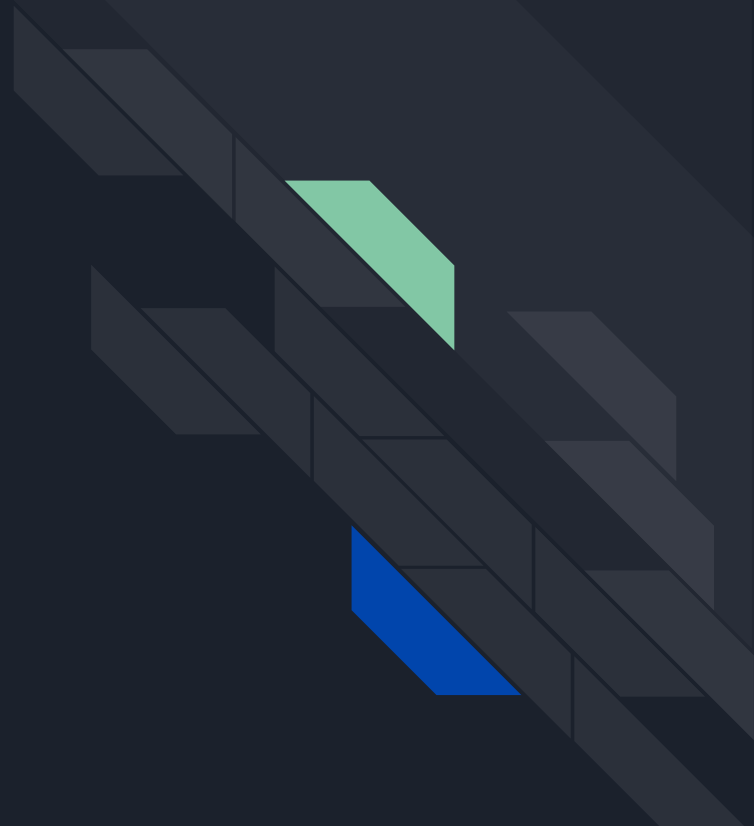
1. Dynamically display equipment availability
2. Occupy equipment online (client → backend)
3. Search history data

Extra Features:

1. Sign up & Sign in
2. Like
3. Recording exercise time
4. Ranking

Demo

Screen sharing...





Possible Improvement

- main page = a map
- Dynamically collect availability data and update to database
- Notification message and monthly report
- Plan (added)
- Friends (added)
- Privacy issue (plan to fix)

Thank you!

Q&A

