

Pictoblitz



by Team JDZ

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Meet the team



Johnny Dinh
Frontend Developer

Handled design and functionality of front-end components such as buttons, chat, etc.



Dylan Huang
Frontend Developer

Handled canvas technology and front-end menu design (layout, component placement, etc).



Zhuoqun Wei
Backend Developer

Handled game play logic and devop to vercel and railways.

Vision Statement

For casual gamers and social players who want an easy-to-play multiplayer game that combines drawing and guessing with friends or strangers online, Pictoblitz is a multiplayer web-based multiplayer game that provides fast and free access to pictionary games with other players around the world.

Our Goal

- Create an **accessible multiplayer** drawing game
- Enable **fast, free gameplay** with no download or sign-up required
- Support **real-time interaction** with friends or strangers globally
- Combine casual fun with social connection in a **web-based** format
- Deliver a **smooth** and **intuitive experience** for casual gamers

Main Features

01

Firestore Auth

Secure user authentication
Sign-in with Google

02

Online Pictionary Game

Players guess words based on drawings

03

Room Creation

Hosts can set player limits and rounds

04

Turn-Based Drawing

One player draws per round, others guess

05

Live-Chat Discussion

Players communicate to guess the word

06

Multiplayer Support

Play with friends or opponents

Technology Stack

Frontend

React.js
Next.js

Backend

Firebase

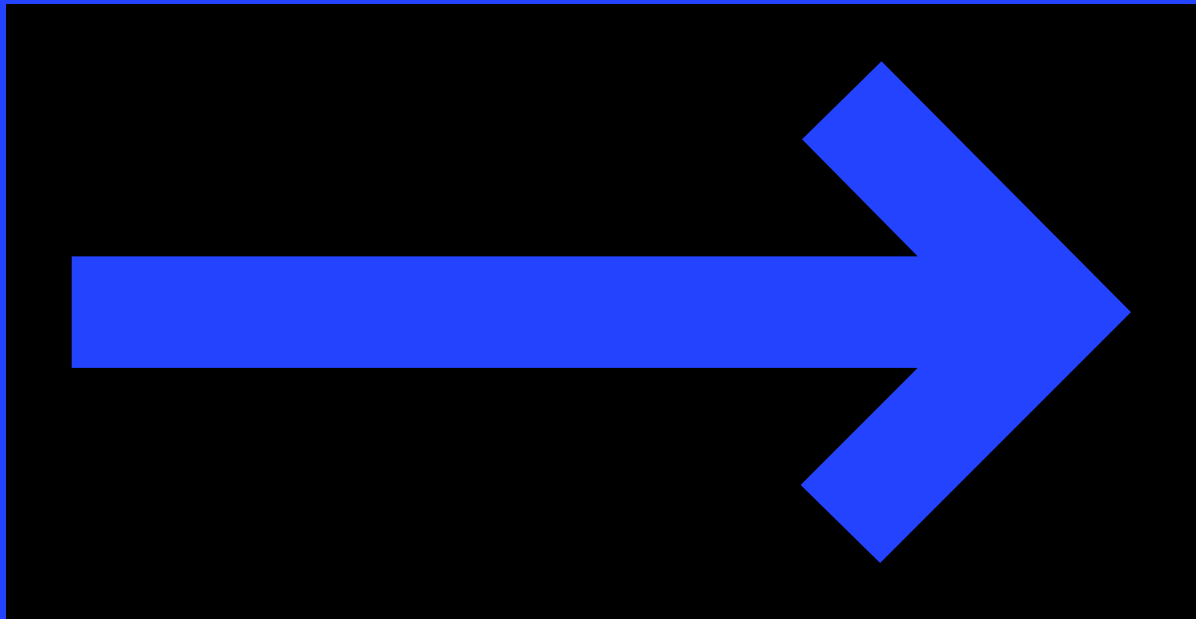
Server Hosting

Websocket on
Railways

Website Deployment

Vercel

Demo
Time



Next Steps

- Expand on game
 - More prompts
 - More drawing tools
 - Support for mobile devices
 - “Hint” button
- Save results to database
 - Record medals won and games played

Key Takeaways

- Handling multiple people's connection and gameplay is difficult
- Web Socket Communication requires separate logic
- Integrate more automated testing to streamline debugging process
- Scheduling deployments and commits
 - Prevent those pesky merge conflicts

Thanks for your time!