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Interactive web app that allows players to competitively play games against each other, climb the ranking leaderboards, and earn rewards through spectator betting and other in game rewards.



Tech Stack and Design Decisions:

GameZoo is a monolith app that features a Typescript backend, React frontend, MongoDB database, and Render deploy

Leaderboard + Stats + Rankings

- Statistics tracking and game ratings based on game performance
- Global leaderboards to compare top players

Rank	User	Rating
1	Senior_Dos	1025
2	hammie	1020
3	Frau Drei	1010

Game Played	Wins	Losses	Win Rate	Rating	Peak Rating
4	4	0	100%	1040	1040
8	7	1	88%	1005	1005
11	9	0	92%	1090	1090

Player #2: You
FRAU DREI

Senior_Dos: 0 words
You: 5 words

Time left: 0:35

C
P A
I
A T
N

Type a word... Enter

2 Player Spelling Bee Game

- 1v1 competitive spelling bee game with timed rounds and word scoring
- Rules similar to famous New York Times Spelling Bee
- Optional play against competitive AI, with ability to choose normal or hard

Currency System + Cosmetic Shop

- Accrue currency through playing games, daily logins, and spectator betting
- Use currency in the shop to purchase profile cosmetics

SHOP
Balance: 10

PROFILE PICTURES

PROFILE FRAMES

BAMBOO 50 points BUY Not enough balance	BEACH TIME 50 points BUY Not enough balance	CANDY CANE 50 points BUY Not enough balance	CHOCOLATE RASPBERRY DRIZZLE 50 points OWNED
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What's Next?:

Game Zoo will likely see development in more versus player games, more AI game integrations, more complex betting system with bigger payouts, player rank based matchmaking, as well as cosmetic expansions such as user customizable UIs and player badges.