

AnteUp!

Group 309

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Description

AnteUp! is a gaming platform where users can play and watch a variety of games, bet on outcomes, and compete for real earnings using Ante Tokens — the platform's virtual currency. Players can fund their accounts, wager tokens during Texas Hold 'Em games, and build their reputation through a public leaderboard that tracks win rates and lifetime earnings. Viewers can also get in on the action by placing bets on ongoing games using player stats to inform their decisions. **AnteUp!** brings together the excitement of gaming, the thrill of betting, and a competitive community all in one place.

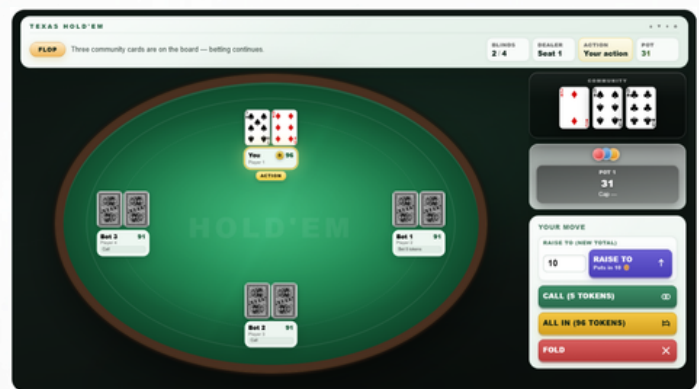
Tech Stack & Design Decisions

To develop **AnteUp!**, we built off of the initial GameNite platform which utilizes the MERN (MongoDB, Express, React, Node) stack for development. With GameNite as a base, we were able to implement new features to satisfy all of our new user stories. For betting, we added a player account balance that utilized sockets for real time updates. When a player joins a game, they add tokens from their account balance. At the end of the game, their balance updates with their winnings. Viewers bet using their account balance, so betting reduces their balance and winning a bet increases it in real time. For our user statistics, we tracked players' games ' history and tokens' history. Using live sockets, these statistics updated in real time in user accounts and the leaderboard. For our SSO, we utilized Google Authenticate. We used PayPal's sandbox API to let users securely add to their account balance, using fake credit card info. Additionally, we implemented bot players for our Texas Hold'em game, allowing players to play by themselves, and also allowed viewers to bet on these bots.

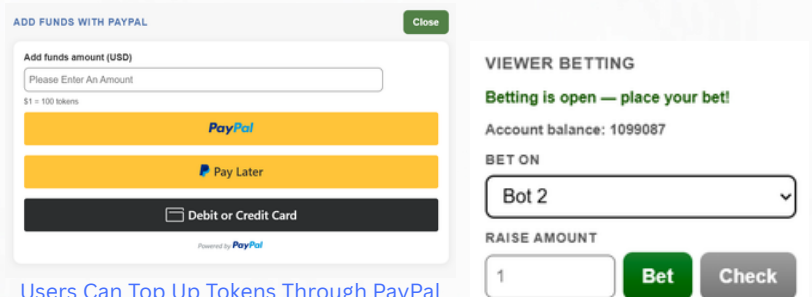
Future Work

Looking ahead, **AnteUp!** could expand in several meaningful ways. Future iterations could allow game creators to customize Hold'em game parameters, give viewers a dedicated chat separate from players, and provide full visibility into all viewer bet outcomes. Peer-to-peer Ante Token transfers could further enrich the platform's social economy. Continued investment in account security and anti-cheat measures would also help ensure **AnteUp!** remains a fair and trustworthy environment as the platform scales.

Features



Texas Hold'em Gameplay



Users Can Top Up Tokens Through PayPal

Viewers Can Bet on Hold'em Games

Rank	Player	Win Rate	Games Won	Games Lost	Tokens Won	Tokens Lost	Net Token Profit
1	The Knight Of Gao	52.94%	9	8	208	247	-39
2	Senior Dos	44.44%	8	10	272	111	161
3	Ethan	40%	2	3	16	139	-123
4	Yao	26.09%	6	17	339	277	62
5	ethia	25%	1	3	68	124	-56
6	You	22.22%	2	7	230	143	87
7	Sally	0%	0	0	0	0	0
8	Gary	0%	0	0	0	0	0
9	John	0%	0	0	0	0	0

Live Leaderboard Ranks Top Players By Win Rate and Token Profit Statistics

[AnteUp! Site](#)
[GitHub Repository](#)