

# CodeNames & Friends

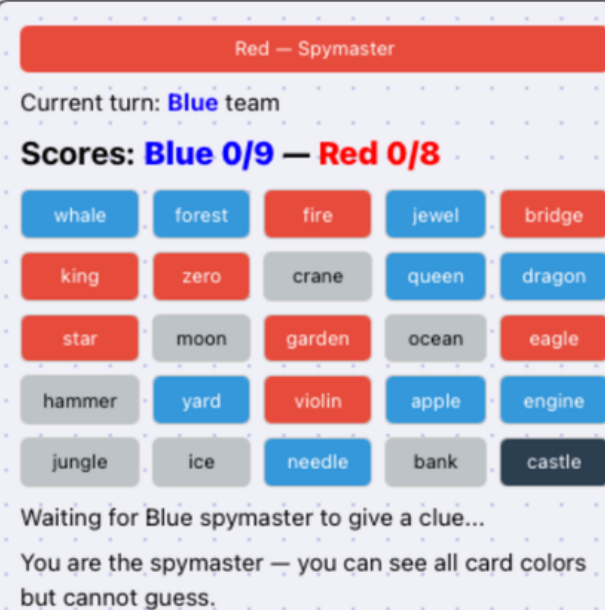
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## Project Overview

GameNite is a social gaming website that allows users to interact through games and messages. This section provides the information needed to build, deploy, and use the application.

## New Features

1. CodeNames
2. Leaderboard
3. Friend/Social System



## Tech Stack/Design Decisions

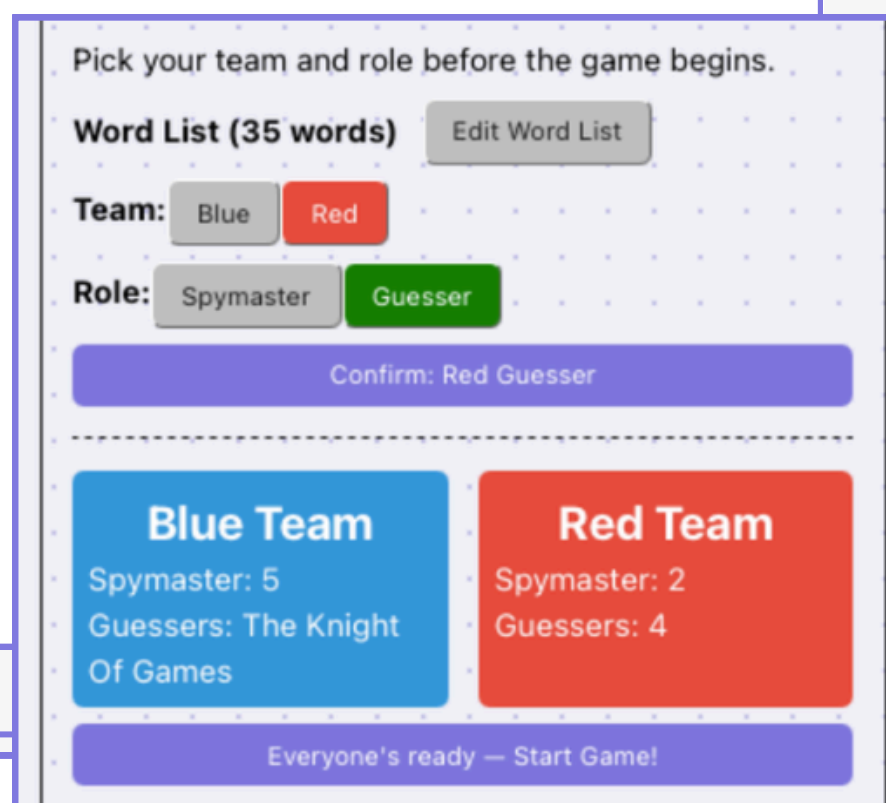
Frontend: React and TypeScript  
Backend: Node.js and Express,  
API endpoints

Database: MongoDB, Supabase

- Decoupled State vs View
- Reusable Game interface
- API calls for social and leaderboard features
- Hybrid Storage Strategy

## CodeNames

- Multiplayer (4–8 players)
- Team-based roles: Spymaster & Guessers
- Custom word bank support
- Turn-based gameplay with win conditions
- Rematch functionality



## Why these Changes?

Codenames & Friends is an improved social gaming platform. We expanded the games catalog by adding Codenames as a playable online board game. To increase the competitiveness of the site, we added a leaderboard for players to compete for the better record. Finally, to improve the socializing capabilities, players will now be able to add other users as friends.

## LeaderBoard

- Tracks wins, losses, and win rate
- Game-specific performance breakdown
- Filtering: By game, By friends, By win rate or total wins
- Pagination support

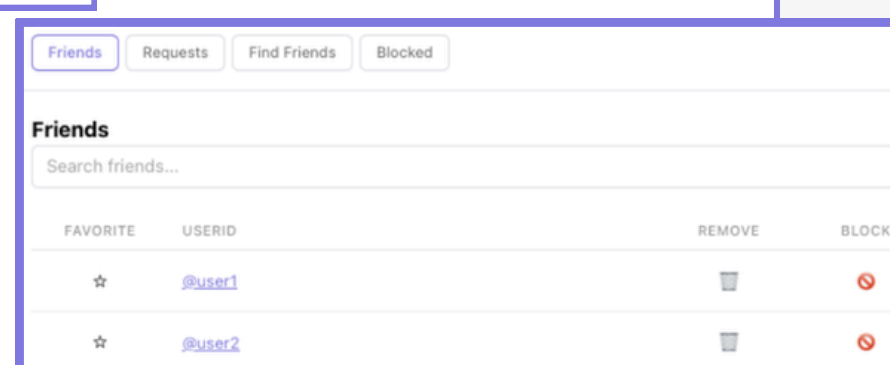
RANK	PLAYER	GAME	WINS	LOSSES	WIN RATE
1	The Knight Of Games	All	4	2	66.7%
2	Yao (you)	All	2	4	33.3%
3	Frau Drei	All	1	1	50.0%
4	Sénior Dos	All	1	1	50.0%
5	b	All	1	0	100.0%
6	a	All	1	0	100.0%

## What's Next

- Further improve profile customization capabilities
- Add game lobby creator role to further control privacy
- Add more games to continue expanding the game catalog

## Friend/Social System

- Friend requests + management
- Private messaging
- Favoriting friends
- User blocking system



### Add Friends

Search for a user by their userID and send them a friend request.

user0 Search

NAME	USERID
The Knight Of Games	@user0

Send Request

## Links

### GitHub Repository:

<https://github.com/neu-cs4530/spring26-project-spring26-project-group-513.git>

### Live Demo:

<https://spring26-project-spring26-project-group-pdzk.onrender.com/login>