

THE BUFF GAMES



Project Overview and Team



Evan
Feng



Logan
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Davis



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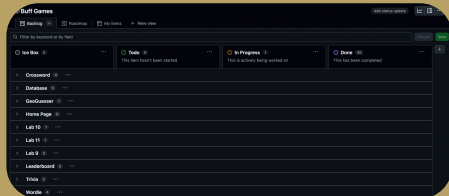
Ryan
Natvig

The Buff Games is a web-based game hub inspired by platforms like NY Times Games, designed specifically for the University of Colorado Boulder community. Our application features a collection of fun, interactive mini-games themed around CU Boulder culture, student life, and landmarks. Players can choose from multiple Boulder-inspired games, compete for high scores, and climb the global leaderboard, which tracks top performers across all games.

01

Tools 

Github Project Board

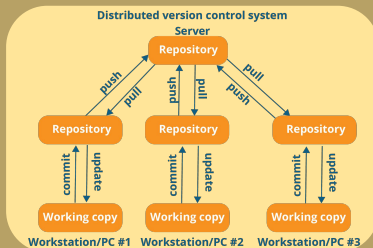


Used for project tracking

Rating: ★★★★★

Methodology: Iterative, Agile

Github VCS



Used to safely control different versions of the project

Rating: ★★★★★

Methodology: Iterative, Agile

PostgreSQL



Used for Database Creation and Maintenance

Rating: ★★★★★

Methodology: Iterative, Peer Code Reviews

Tools

HTML



Used for content structure

Rating: ★★★★★

Methodology: Iterative, Agile, Peer Code Reviews

Handlebars

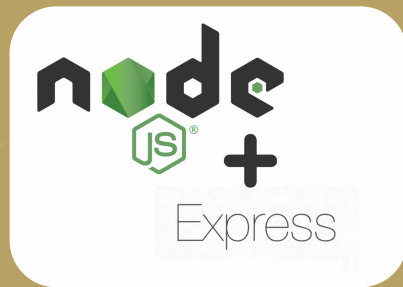


Used for templating

Rating: ★★★★★

Methodology: Agile, Peer Code Reviews

Express/Node JS



Used to create environment for project

Rating: ★★★★★

Methodology: Agile

Tools

Render



Used for web hosting
Rating: ★★★★★
Methodology:
Iterative

Bootstrap



Used for prebuilt
frontend design
Rating: ★★★★★
Methodology: Iterative,
Peer Code Review

Mocha/Chai



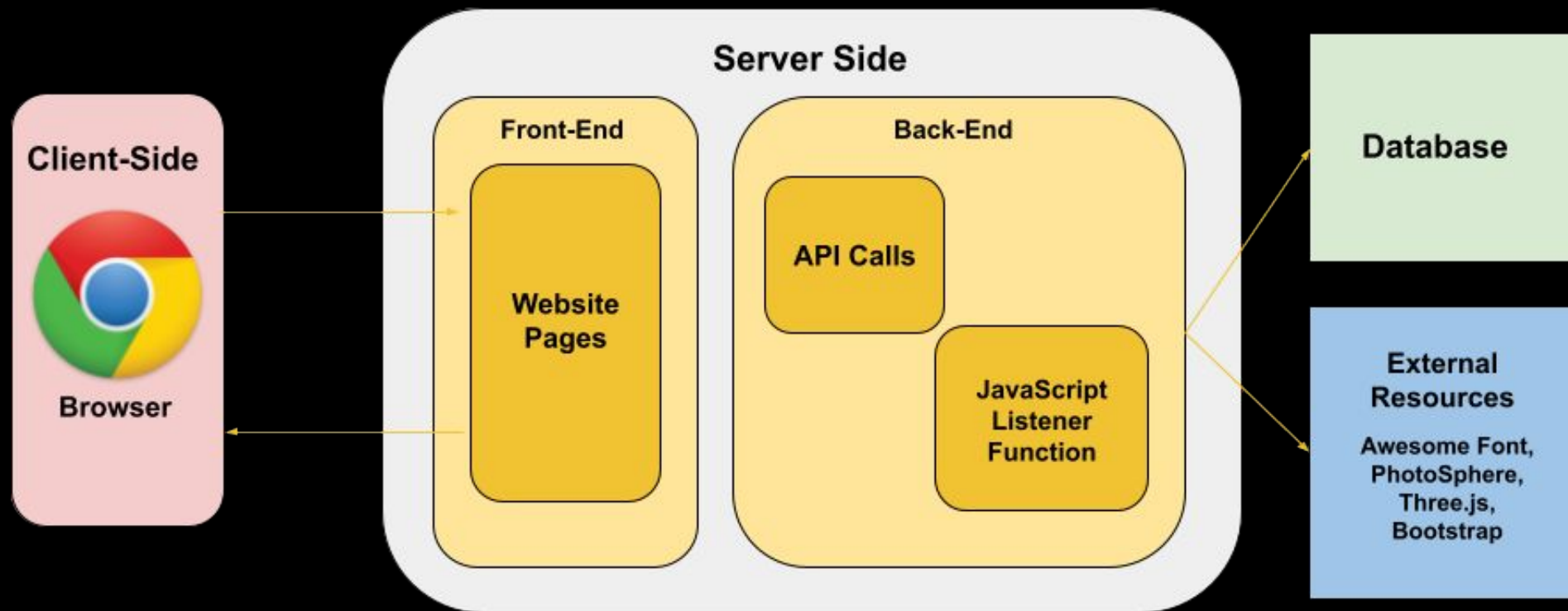
Used for JS testing
Rating: ★★
Methodology: TDD, Agile

02

Architecture Diagram



Architecture Diagram





03

Demo Time!

PLAY

04

Challenges 

Challenges

Completed Challenges



Connecting the Database to Node JS

- Incorrect credentials
- Database deletion /creation on startup
- Fixed by updating the .env and docker compose

1/4

Completed Challenges



Crossword

- Debug point reward system
- API creation to track user/puzzle ID.

2/4

Challenges

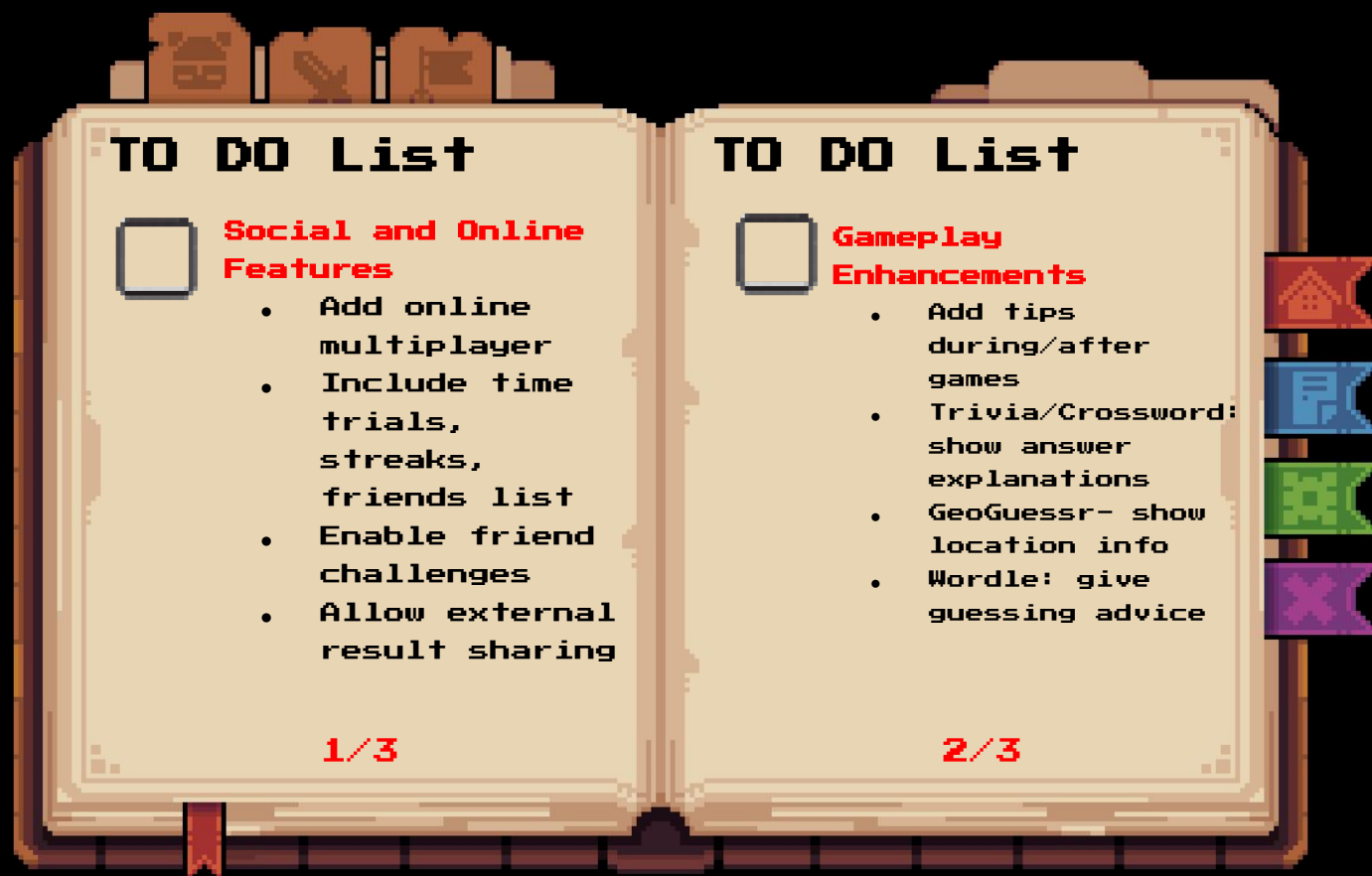


05

Future scope and
enhancements



Challenges



TO DO List



Social and Online Features

- Add online multiplayer
- Include time trials, streaks, friends list
- Enable friend challenges
- Allow external result sharing

1/3

TO DO List



Gameplay Enhancements

- Add tips during/after games
- Trivia/Crossword: show answer explanations
- GeoGuessr- show location info
- Wordle: give guessing advice

2/3

Challenges



Questions?

