



Game Party Finder

(Name still pending)

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Team Bio

Elijah Joaquim:

Elijah Joaquim is a Computer Science Major at Old Dominion University. He likes to read fantasy novels and play games in his free time. In the future, he wants to help work on and design video games.



Keyton Lanier:

He is a Computer Science Major that loves to play games and would like to try to make some games in the future.



Team Bio Cont.

Jon Fisher:

Jon Fisher is a senior at Old Dominion University majoring in Computer Science and minoring in I.T.. He enjoys to play video games, play the piano, and draw.



Joshua Renn:

Joshua Renn is a Senior at Old Dominion University majoring in Computer Science. He currently works in the public school system in the Tech department. In his free time, he builds terrariums and is on his 30th Elden Ring playthrough.



Introduction

- About 2.5 million people play video games worldwide
- The gaming industry is worth about \$250 billion
- About 75% of Twitch's most watched games are team-based multiplayer games



- *Marvel Rivals* averages about 150 thousand live players
- *Tom Clancy's: Rainbow Six Siege* averages about 60 thousand live players

Problem Statement

Many games encourage teamwork, but don't offer a looking for group feature. This website would help connect players based on what game they're playing, team specifications they're looking for, and other game specific criteria.



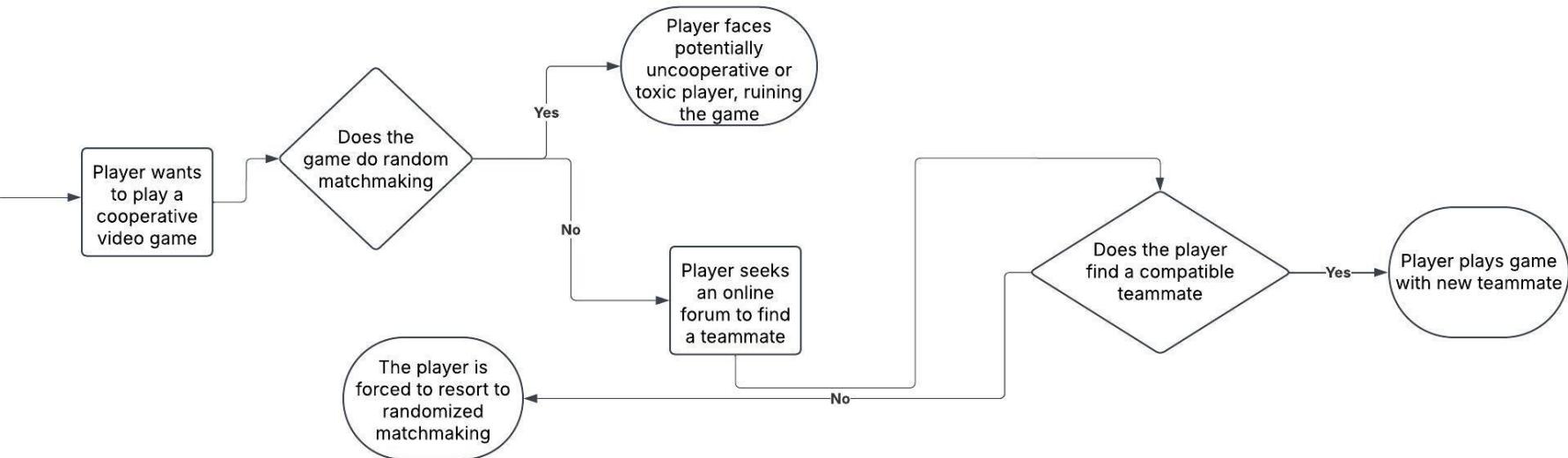
Looking For Group > tags >				
TOP	LATEST	BLIZZ TRACKER	DEV TRACKER	
Topic	Author	Replies	Views	Activity
Looking for Sniper	ShinyHero	1	13	12h
Older dude looking for duo	CFR	7	122	6d
Looking for friendly players (EU)	lljazzil	0	23	8d
Skins disappeared from hero gallery	MorganaDrago	0	13	9d
Looking to play for fun and good laughs	chiller76	0	25	11d
Looking for a group/duo	Asurey	0	31	13d
Looking for friends with mics	Spoopy4u	4	121	18d
Looking for a team of 5	qLangiu	1	28	18d
Looking for a team	Noctaris	0	17	18d

Problem Characteristics

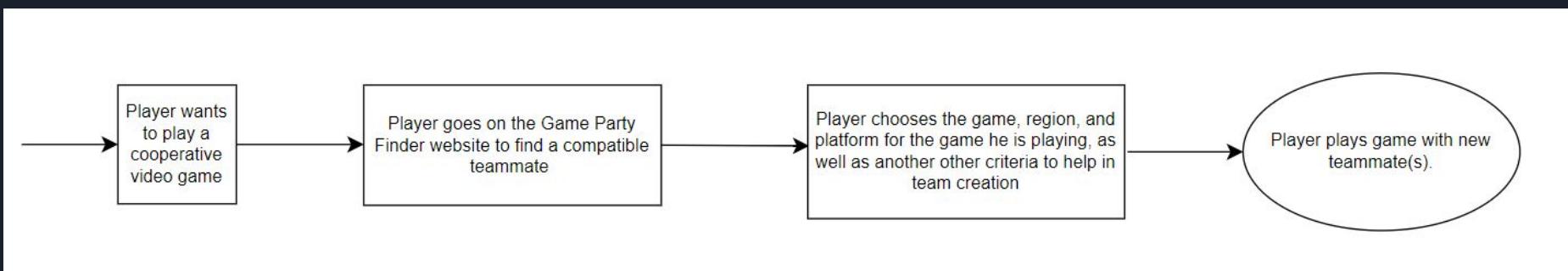
- Some gamers complain about playing with randoms and would prefer to know who or what kind of player they are playing with.
- Gamers struggle to find other players to play cooperative games with. Examples can include team games, where a certain role isn't filled due to no one wanting to play it.
- Players struggle to find other players to help them overcome a challenge in a video game
- Sites like *Reddit* offer communities that have the option to ask for help or look for party members, but finding partners is completely dependent on someone feeling like responding to a post.



Current Process Flow



Solution Process Flow



Solution Statement

Our Game Party Finder website will solve the problem by giving gamers a place where they can search for and create parties that meet their interests and needs for a specific game.



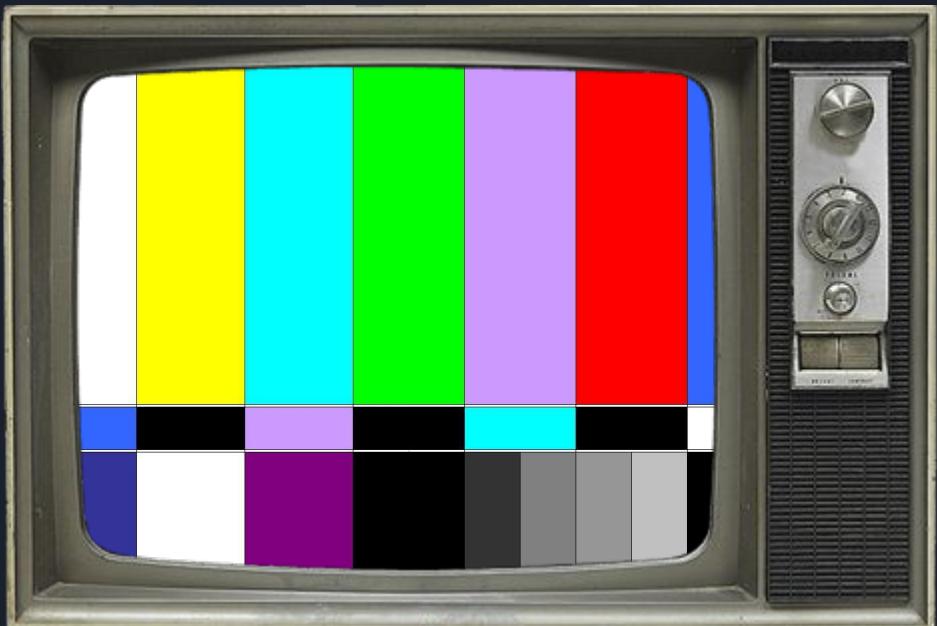
What It Will Do



- Sort players by game, platform, and region
- Allow players to host parties
- Allow players to look for parties
- Filter parties based on game criteria to help with team creation

What It Won't Do

- It won't assign random parties
- It won't play games for you
- No AI or bot posts
- Require an account
- Won't support every game
- Install or run games
- Join the party in game
- Auto friend your party members



Potential Competition



reddit

Features	Game Finder	Reddit	Forums	Discord
Find people to play with	■	■	■	■
Host and search for party	■	■	■	■
Filters based on player interests	■	■	■	■
Dedicated to Gaming	■	■	■	■



DISCORD



Work Breakdown

Party Creation

- Game/feature select
- Posting

Party Searching/Joining

- Player game, region, ect. filter system
- Join, sometimes with specific feature such as role

Account Creation

- Username
- Password
- Authentication

Account Management (including login)

- Premium, add-free version
- Set preferred games, regions, languages, roles, ect. (If we have time)

Database management:

- User account databases
- Databases for each platform + region and games

Algorithms

- Search and filter algorithms
- Security checks
- Forum/party sorting
- Date/time checks for new and old parties
- User management and moderation



Database Schema

- User Table
 - Usernames, passwords, 2fA status, premium status, admin status
- Payment information for premium users
 - Names
 - Card information
 - Billing information
- Platform Table
 - Xbox
 - PlayStation
 - PC
- Region Table
 - North America, South America, Africa, Europe, Australia, Asia
- Party creation table
 - Separate table for forum posts (potentially)





RWP vs Prototype

Prototype	Real World Product
Account Creation	Account Creation Premium, ad-free add-on
Search & Filter Platform Game filters	Search and Filter Platform Game Language/ Region
Party creation	Party creation

Development Tools

- IDE: VSCode, Eclipse
- Version Control: Git
- Continuous Development and Deployment: Github Actions and Workflow
- Backend Language: PHP/JavaScript
- Frontend Language: HTML + CSS + JavaScript (React)
- Testing Framework: Integration tests, Jest
- Documentation Tool: JSDoc, etc.



Visual Studio Code





Required Libraries, Tools, & Technologies (Dependencies)

- Languages: HTML, CSS, Javascript, PHP
- Frameworks: React, Vite
- Other Tools and Technologies: MySQL, cloud hosting services and/or servers for hosting the app



Major Functional Components

L: (operating system) Windows

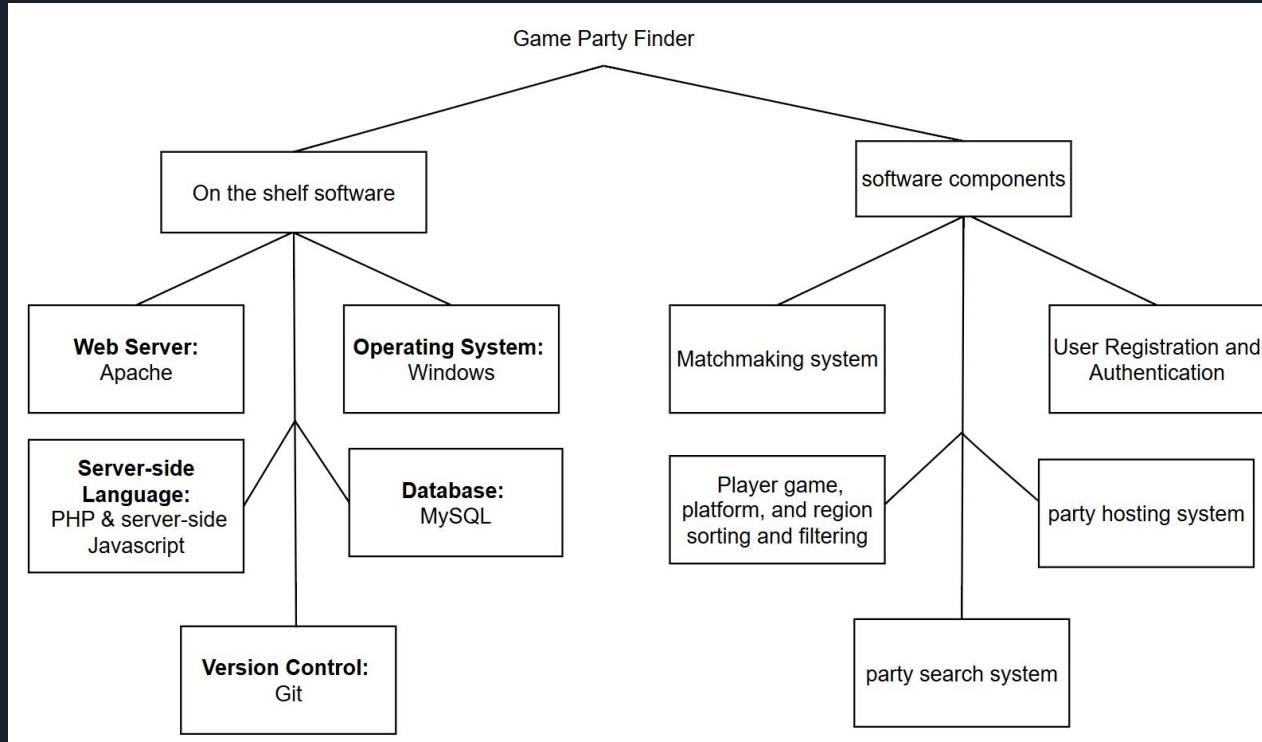
A: (Web server) Apache

M: (Database) MySQL

P: (Server-side Language) Php & server-side Javascript (?)



Major Functional Components Diagram (MFCD)





Risks

Customer & End User Risks:

- Potential teammates may still present toxic behavior
- User might not be able to find a compatible teammate at the time

Technical Risks:

- Website can face unexpected downtime and maintenance periods

Security Risks:

- Data breaches can possibly happen leaking user information (including payment method if the user buys the no-advertisement package)

Attention - DEAL or NO DEAL



CONGRATULATIONS!

Your banner ID # 259037 just
qualified you for our
exclusive "Deal or No Deal" survey.

Would you like to take a
Case for a chance to Win a
Please select a Case
for your chance to Win a
Case for a chance to Win a

Attention - DEAL or NO DEAL



CONGRATULATIONS!

Your banner ID # 259037 just qualified you for our
exclusive "Deal or No Deal" survey.

Attention - DEAL or NO DEAL



CONGRATULATIONS!

Your banner ID # 259037 just qualified you for our
exclusive "Deal or No Deal" survey.

Would you take a **\$100,000** Deal, or pick another
Case for a chance to Win a **Million Dollars!**



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Appendix

Live players: The number of people actively playing a game at a particular time

Looking for group: A feature in multiplayer games that allows people to find teammates before matchmaking

Matchmaking: The process of pairing players together in multiplayer games

Party: Players grouped together before matchmaking

Platform: The hardware you play a game on, such as, *PlayStation*, *Xbox*, PC, and *Nintendo Switch*

Randoms: Players randomly matched by the matchmaker, particularly low skilled players

Toxic: A mean or otherwise very unpleasant player or behavior