Game Party Finder

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Team Bio

Elijah Joaquim:

 Major: Computer Science

 Goal: Work On/Design Video Games

 Hobbies: Gaming, Reading

Keyton Lanier:

I am a Computer Science Major that loves to play games.

Team Bio Cont.

Jon Fisher: Studying Computer Science with a minor in I.T. Enjoys drawing, practicing piano, and playing video games.

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.
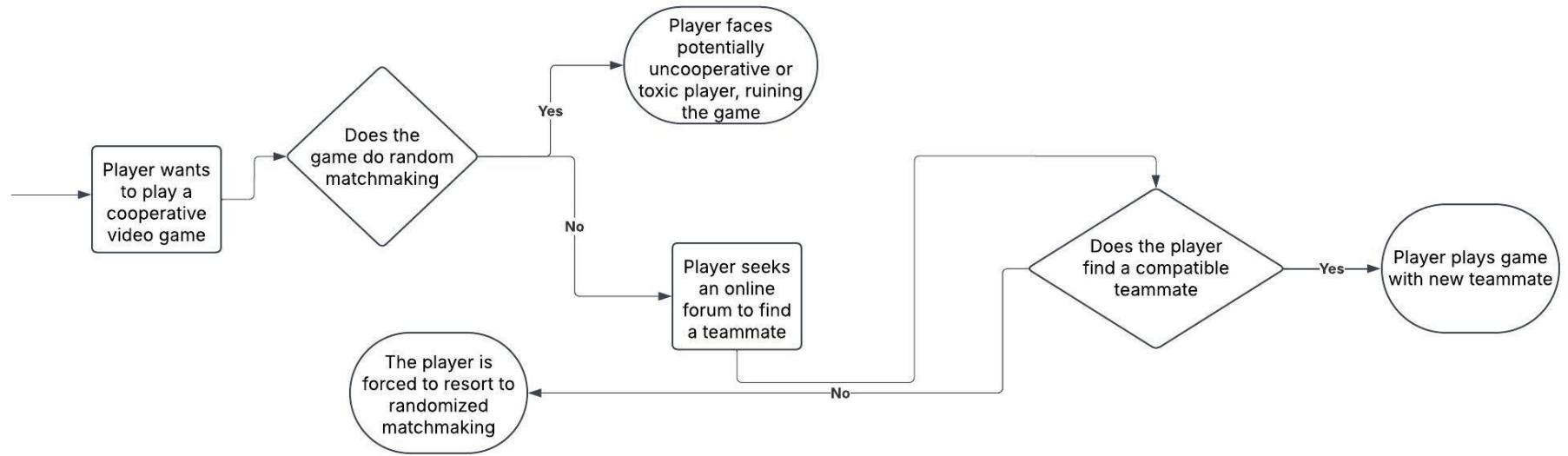
[Picture Here]

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.
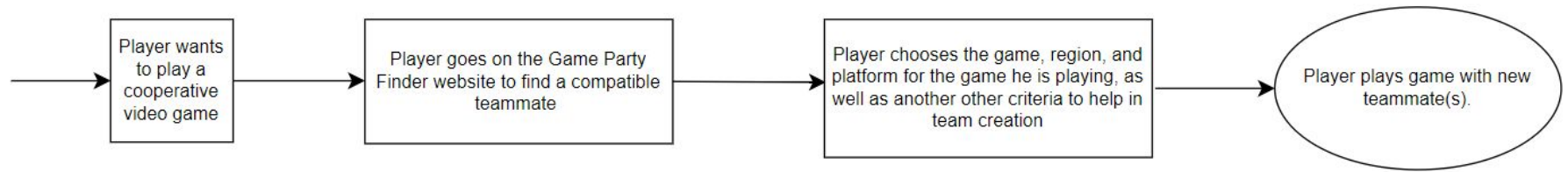
Problem Characteristics

- 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

Player wants to play a cooperative video game → Player goes on the Game Party Finder website to find a compatible teammate → Player chooses the game, region, and platform for the game he is playing, as well as another other criteria to help in team creation → Player plays game with new teammate(s).

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

1. Sort players by game, platform, and region
2. Allow players to host parties
3. Allow players to look for parties
4. 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

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

Development Tools

- **IDE: VSCode**
- **Version Control: Git**
- **Continuous Development and Deployment: Github Actions and Workflow**
- **Backend Language: TBA**
- **Frontend Language: TBA**
- **Testing Framework: TBA**
- **Documentation Tool: TBA**

Major Functional Components

L: (operating system) Windows

A: (Web server) TBA

M: (Database) TBA

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

Major Functional Components Diagram (MFCD)

TBD

References

Appendix

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