

Find Your Match

Random

Preference

Music

Add username to exclude

Add to Filter

Set Your Preferences

Age Range:
Min - Max

Genders:
Male
Female
Non-binary
Other

Height Range (in):
Min - Max

Find Match

Matching Features

- 3 different match types: (1) random; (2) preference-based; (3) music-based (via Spotify)
- Able to avoid matching with specified users by entering their usernames

You're Now Connected

Feel free to chat and share music together!

Your Match

1 minutes ago

hey! how are you?

user1

2 minutes ago

hihi

Your Match

1 minutes ago

going great, the weather is really nice out today so i went on a little walk

user1

1 minutes ago

I'm good, wby? how is your day going?

AI Suggestion: That sounds nice! Did you see any cool birds?

Show My Identity

Ready to Meet?

Start Nim Game?

Type a message...

Send

Date Room Features

- Sends users to a “date room” once match is made
- Supports anonymous mode. Users can choose to show identity when they feel comfortable
- AI chat bot that gives suggestions on responses is available
- “Ready to Meet” button that sends a connection request to the match
- Button to start a Nim game with match

monkeyABC

46 seconds ago

Radiohead

Creep

03:58

Your Match

37 seconds ago

I like that song!

Search & Share Songs

Hide My Playlists

View Shared Playlist

Show My Identity

Ready to Meet?

Start Nim Game?

My Spotify Playlists

so lit - Barbiolo du 9

CRUSH (with Travis Scott) - P...

Share

tual good playlist - Zach

Pink + White - Frank Ocean

Share

独立乐队 - Jaysonzr

总有一天我们会相爱 - New Pants

Share

Type a message...

Send

Music Match Features

- Connection to Spotify
- Matches users based on their top Spotify genres
- Able to send songs and playlists to match
- Can view shared playlist

Chat Participants: user1, test

Change Background

Incoming video call from user1...

Accept

Reject

user1

8 minutes ago

did you know you can change the chat background?

test

7 minutes ago

you can also send pictures!

Type a message...

Send

Connection Features

- Supports follower / following connections to stay in touch with matches
- Able to send pictures in chat
- Able to change chat background image
- Ability to voice & video call

Tech Stack:
Pawfect Match was built using the MERN stack (MongoDB, Express.js, React, and Node.js). The backend is powered by Express and Node.js, while the frontend is built with React. We use Socket.IO to enable real-time features such as live messaging and matchmaking, and MongoDB serves as our database to store user data, chat history, and match information.

Future Work:

- Add feature to enable real-time music playing in chat
- Add a calendar view to schedule video call dates
- Enable connection with other music apps like Apple Music
- Support more variety of games

Overall Design Decisions:
We utilized modular controller-service architecture in the backend for separation and maintainability. We ensured our database schemas were designed with flexibility to accommodate the different match types and evolving user preferences. On our frontend, we implemented reusable hooks and components to easily extend new features without disrupting the UI. Our team leveraged multiple APIs (like Spotify Web API, Toastify) to enhance user experience.

Our codebase is available on [GitHub](#)
Our demo is available on [Render](#)