Project: "Real Estate Property Matcher"

Project Overview

Create a simple **Next.js** web app where sellers can list properties, and buyers can enter their preferences. The system will match buyers to properties using a basic algorithm.

Requirements

Frontend (React & Next.js)

- Use **Next.js** for routing and API routes.

- Implement a **clean UI** using **React**.

- Allow users to add and view property listings.

Features

Property Listing Page

- A simple form where **sellers** can list a property with:
  - **Title** (e.g., "Cozy 2-Bedroom Apartment")
  - **Location**
  - **Price**
  - **Type** (House, Apartment, Condo)
  - **Submit button**

Buyer Preferences Page

- A form where **buyers** enter their preferences:
  - **Preferred location**

- Max budget
- **Property type**

Matching Algorithm

- Match buyers with properties based on:
  - **Location match**
  - **Price within budget**
  - **Type match**
- Display a **list of matching properties**.

Tech & Evaluation Criteria

- Uses **Next.js API routes** for property storage and matching logic.
- Implement a simple **filter function** to match buyers with suitable properties.
- Use **TypeScript** for type safety.

Bonus (Optional)

- Store properties in a temporary in-memory array (or JSON file).
- Add **Tailwind CSS** for styling.

How to Evaluate?

- **Code readability & structre**.
- **Efficiency of the matching function**.
- **Handling of edge cases**.