Real Estate Agent Finder and Appointment System

This repository contains all six components of the Real Estate Agent Finder and Appointment System, including User Management, Agent Management, Appointment Management, Admin Management, Property Management, and Feedback & Review System, each implemented with full CRUD operations, UI pages, and OOP concepts such as encapsulation, inheritance, and polymorphism, using file-based storage for data handling.

Property Management

The Property Management component is responsible for handling all tasks related to property listings within the Real Estate Agent Finder and Appointment System. It allows agents and sellers to create and manage property entries, while enabling buyers or general users to search, filter, and view detailed property information.

◆ **Description**

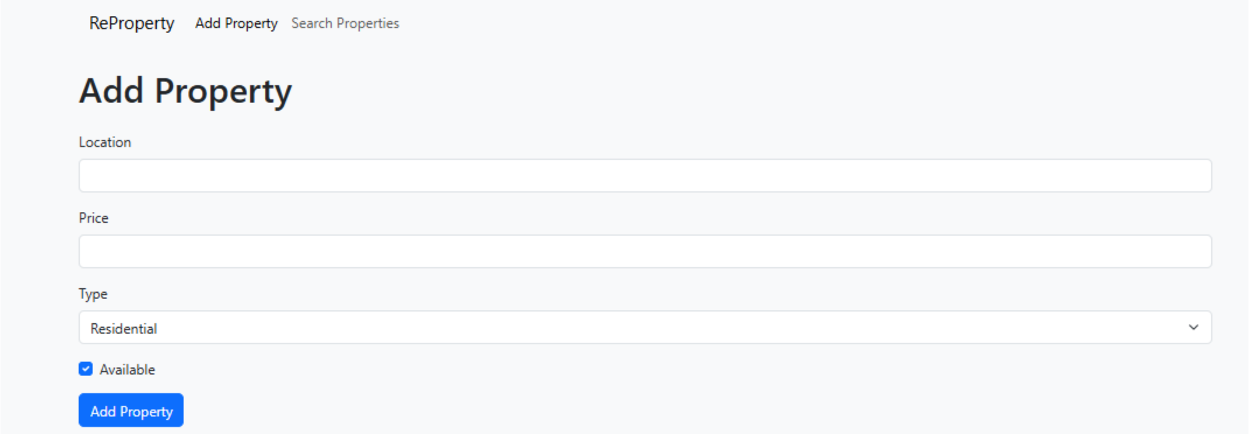
This module enables authorized users (agents or sellers) to list new properties, update existing listings, and remove outdated or sold properties. General users can browse, and search properties based on key criteria such as location, price range, and property type, ensuring an efficient and user-friendly browsing experience.

◆ **CRUD Operations**

- **Create:** Allows agents or sellers to add new property listings to properties.txt, including details such as price, location, size, and type.
- **Read:** Supports property search and display functionalities, allowing users to filter by location, price, type, or other attributes.
- **Update:** Enables modification of property details such as availability status, updated pricing, description changes, or updated photos/images.
- **Delete:** Removes sold, expired, or outdated property listings to keep the system clean and updated.

- **UI Components**
  - **Add Property Page:** Form interface for agents/sellers to enter property details.
  - **Property Search Page:** Search bar and filter options for users to find properties easily.
  - **Property Detail View:** Displays complete property information, including images, pricing, and seller/agent contact.
  - **Property Edit Panel:** Interface for authorized users to update or manage existing listings.
- **OOP Concepts Applied**
  - **Encapsulation:** Property details are securely managed inside the Property class, using private attributes with getters and setters for controlled access.
  - **Inheritance:** Specialized classes such as ResidentialProperty and CommercialProperty extend the base Property class to include unique attributes (e.g., number of bedrooms, business facilities).
  - **Polymorphism:** Search results and property displays adapt based on property type, ensuring that the UI and filters behave differently for residential vs. commercial properties.

Images of UI



Add Property

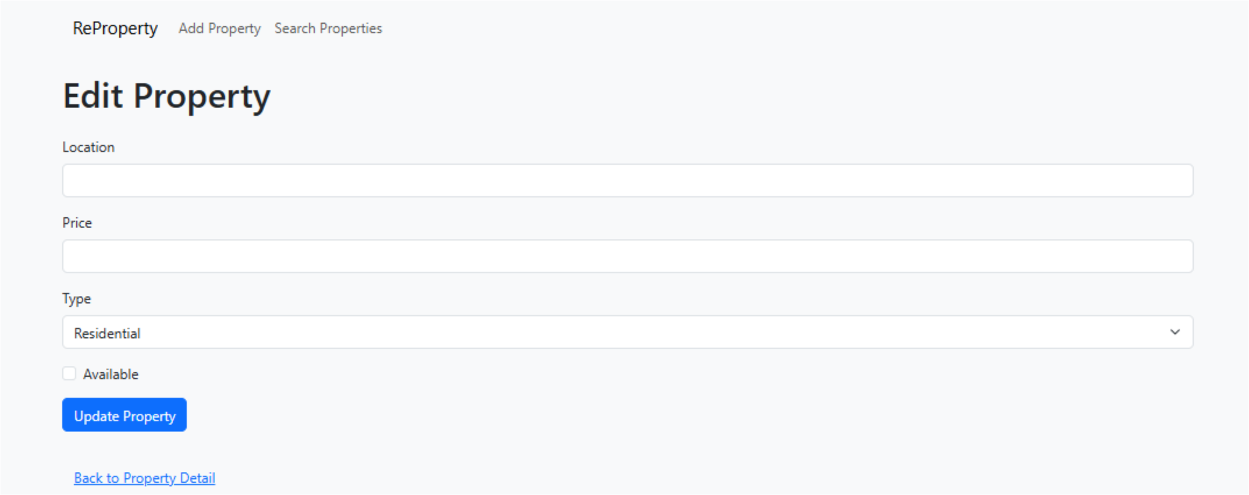
Location

Price

Type

Residential

☑ Available



Edit Property

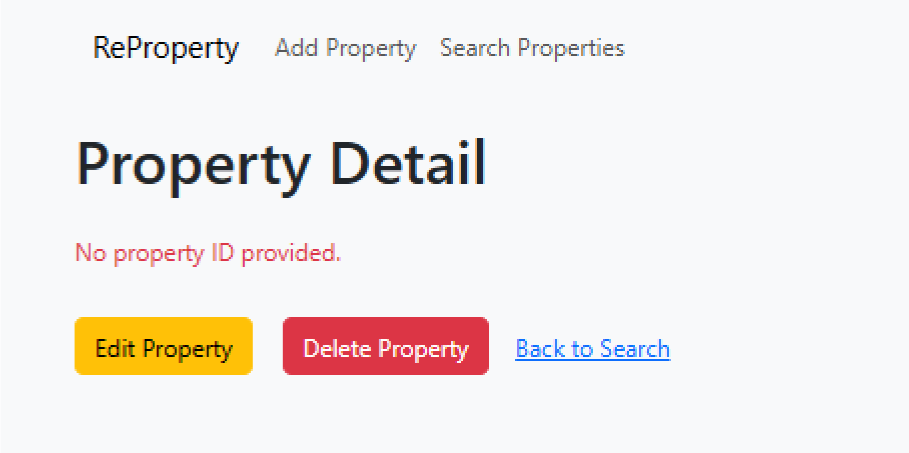
Location

Price

Type

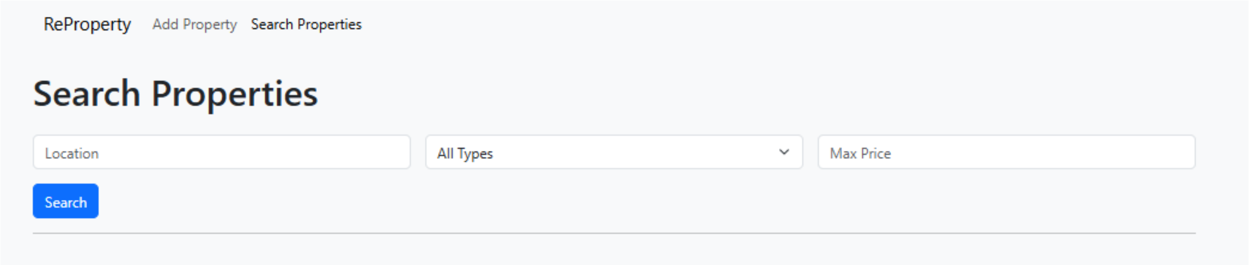
Residential

☐ Available



Property Detail

No property ID provided.


RePropery
Add Property
Search Properties
Search Properties
Location
All Types
Max Price
Search