

Property Search – Project Documentation

This document provides detailed technical and functional information about the Property Search Web Application. It is separate from the README.md (which only contains setup and run instructions).

Tech Stack

Frontend

- React (TypeScript) – UI development
- Bootstrap – Styling & components
- Axios – API calls
- React Router – Navigation

Backend

- ASP.NET Core 9 (C#) – REST API
- Entity Framework Core – ORM & Migrations
- SQL Server – Database
- JWT – Authentication & Authorization

Development Tools

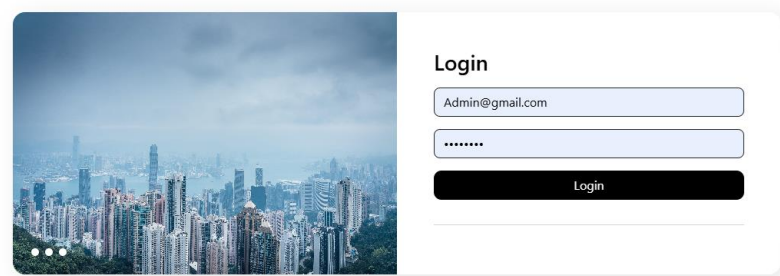
- Visual Studio 2022+
- Node.js & NPM
- GitHub

Authentication

- JWT-based login system implemented.
- Token stored securely in localStorage.
- Sent with every protected request in header:

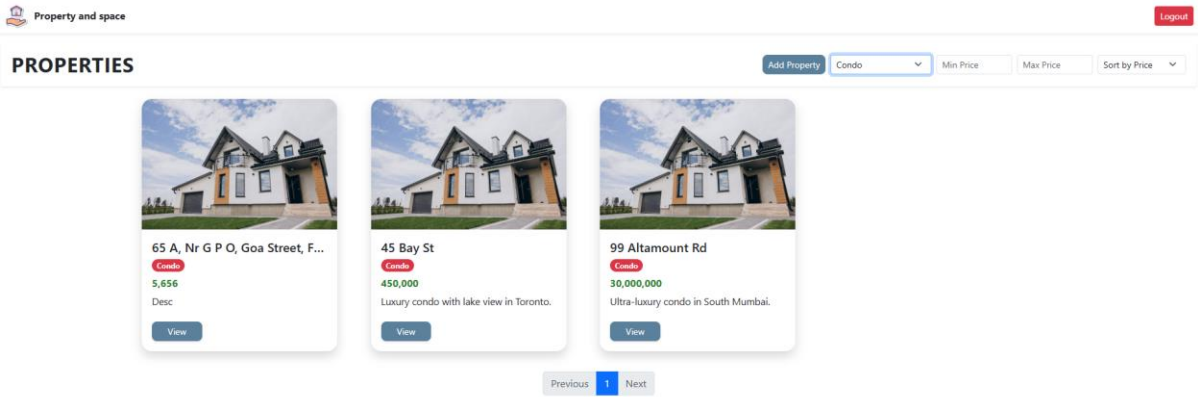
Authorization: Bearer <token>

Login Page (UI)

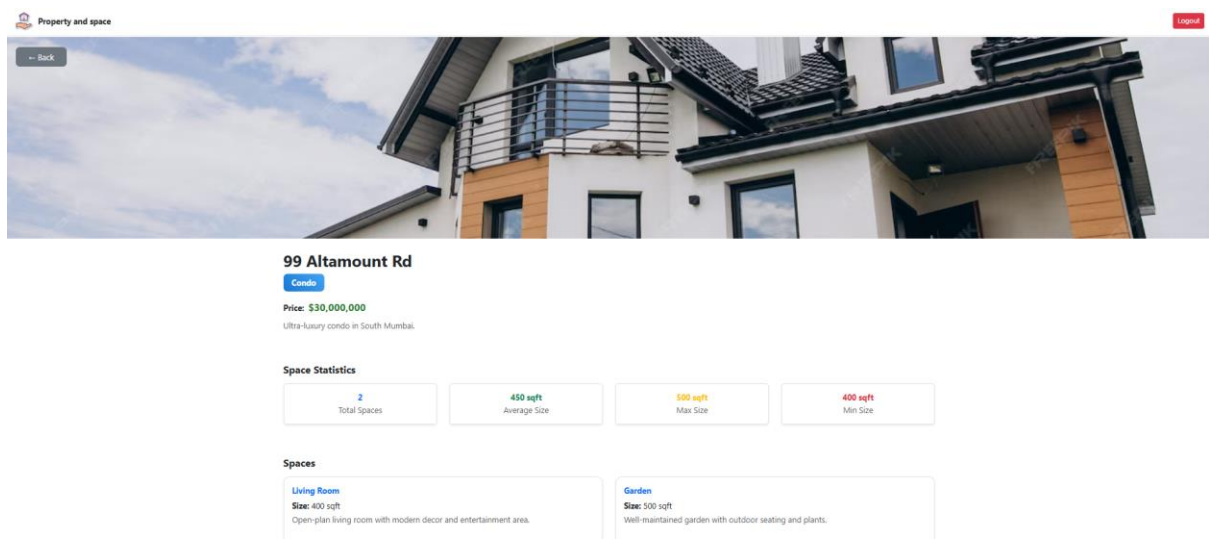


Properties

Property List (UI)



Property Details (UI)



Property and space Logout

[Back](#)

99 Altamount Rd
[Condo](#)
Price: \$30,000,000
Ultra-luxury condo in South Mumbai.

Space Statistics

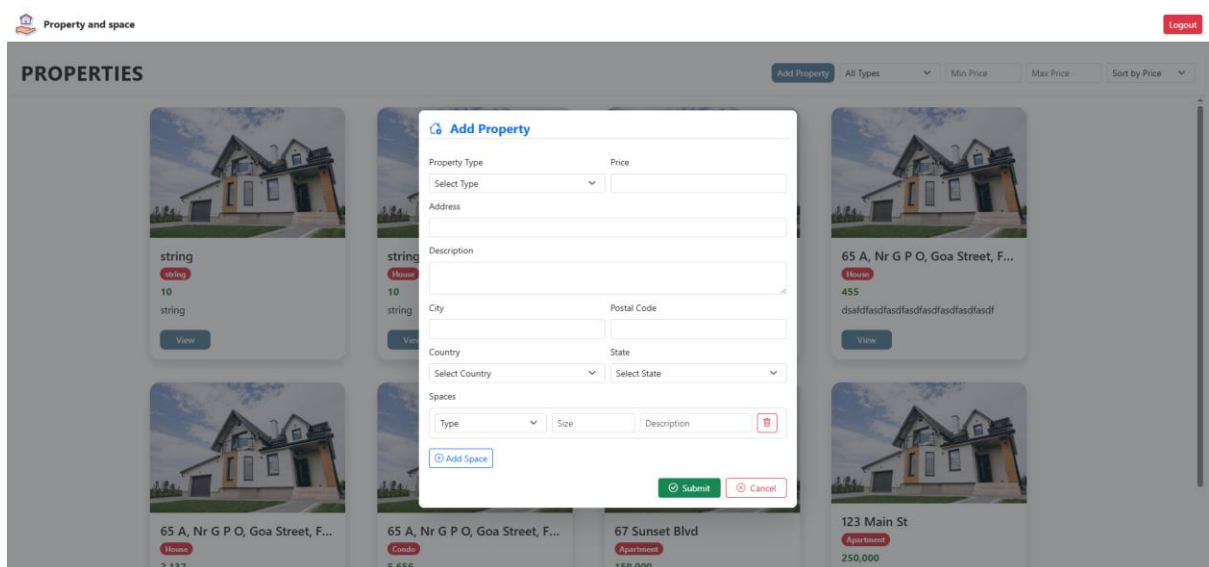
| | | | |
|-------------------|--------------------------|----------------------|----------------------|
| 2 Total Spaces | 450 sqft Average Size | 500 sqft Max Size | 400 sqft Min Size |
|-------------------|--------------------------|----------------------|----------------------|

Spaces

[Living Room](#)
Size: 400 sqft
Open-plan living room with modern decor and entertainment area.

[Garden](#)
Size: 500 sqft
Well-maintained garden with outdoor seating and plants.

Add Property Form (UI)



Property and space Logout

PROPERTIES [Add Property](#) All Types Min Price Max Price Sort by Price

[Add Property](#)

Property Type Price

Select Type

Address

Description

City Postal Code

Country State

Select Country Select State

Spaces

| Type | Size | Description |
|----------------------|----------------------|----------------------|
| <input type="text"/> | <input type="text"/> | <input type="text"/> |

[Add Space](#) [Submit](#) [Cancel](#)

Auth

POST /auth/login → Authenticate & return JWT

POST /auth/logout → Clear token

Properties

GET /properties → List all properties with filters

GET /properties/{id} → Get property details

POST /properties → Add new property

Spaces

GET /spaces → List spaces with filters

Common

GET /countries → List all countries

GET /states → List all states

