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

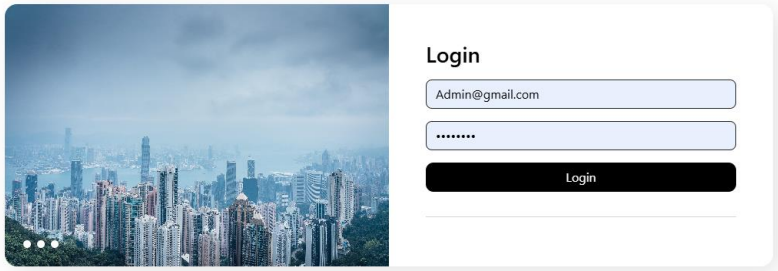
- Visual Studio 2022+
- Node.js & NPM
- GitHub

Authentication

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

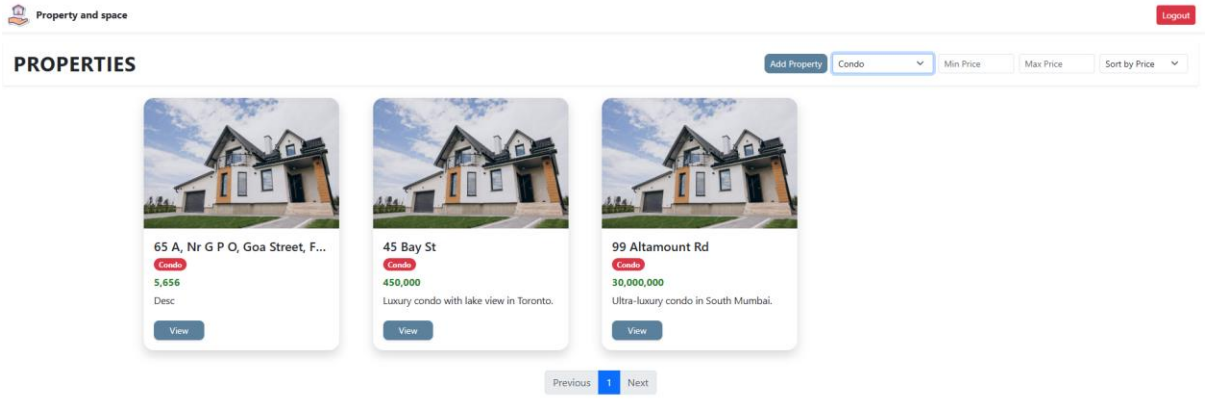
Authorization: Bearer <token>

Login Page (UI)

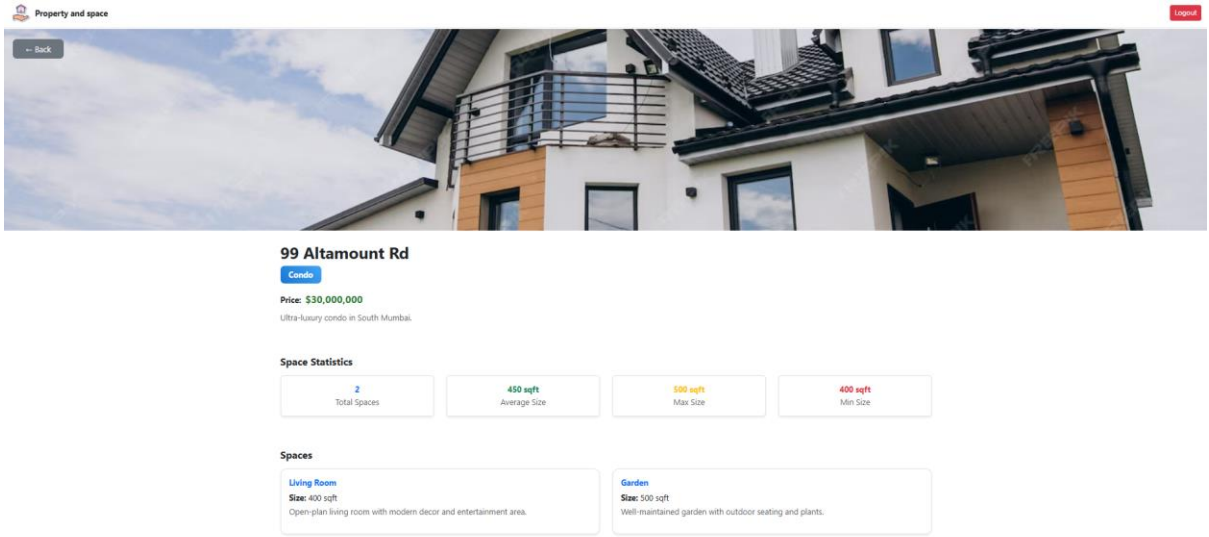


Properties

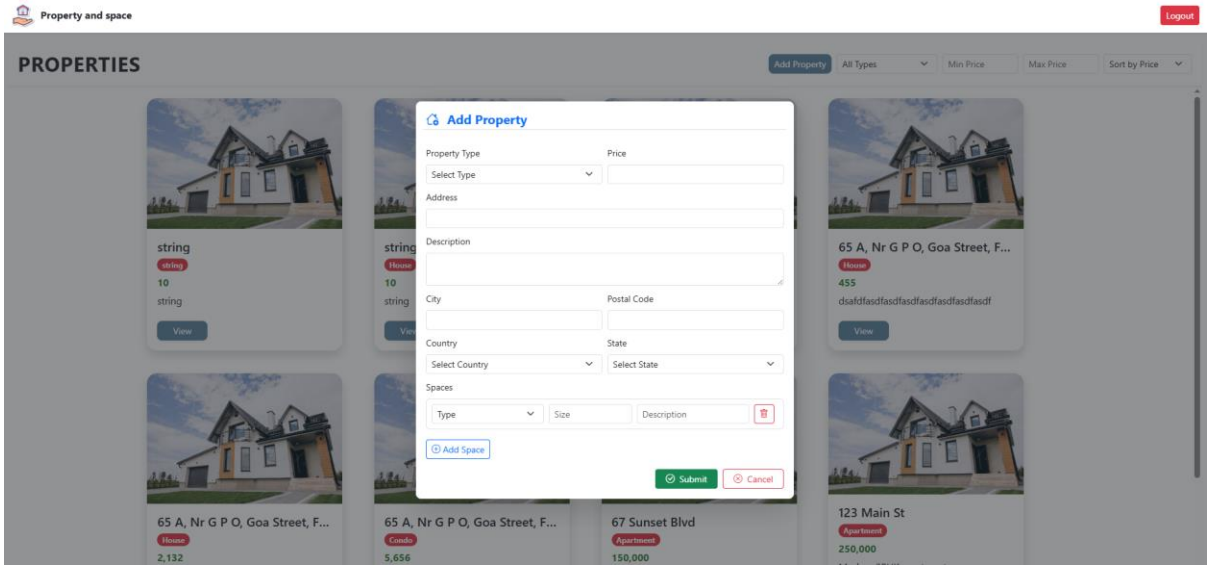
Property List (UI)



Property Details (UI)



Add Property Form (UI)



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