

Property Broker System

Built using
Spring Boot,
Java 17, MySQL

Modules: User,
Property,
Booking

Includes JWT
Security, DTOs,
Validation

Includes JPA,
Service Layer,
Controller Layer

Front end Build
using ReactJS.

System Modules

User Module –
registration, login,
role management

Property Module –
CRUD operations,
search, owner-
restrictions

Booking Module –
create, update
status, customer &
property history

Technology Stack

Spring Boot 3.x

Spring Data JPA

Spring Security +
JWT

ModelMapper

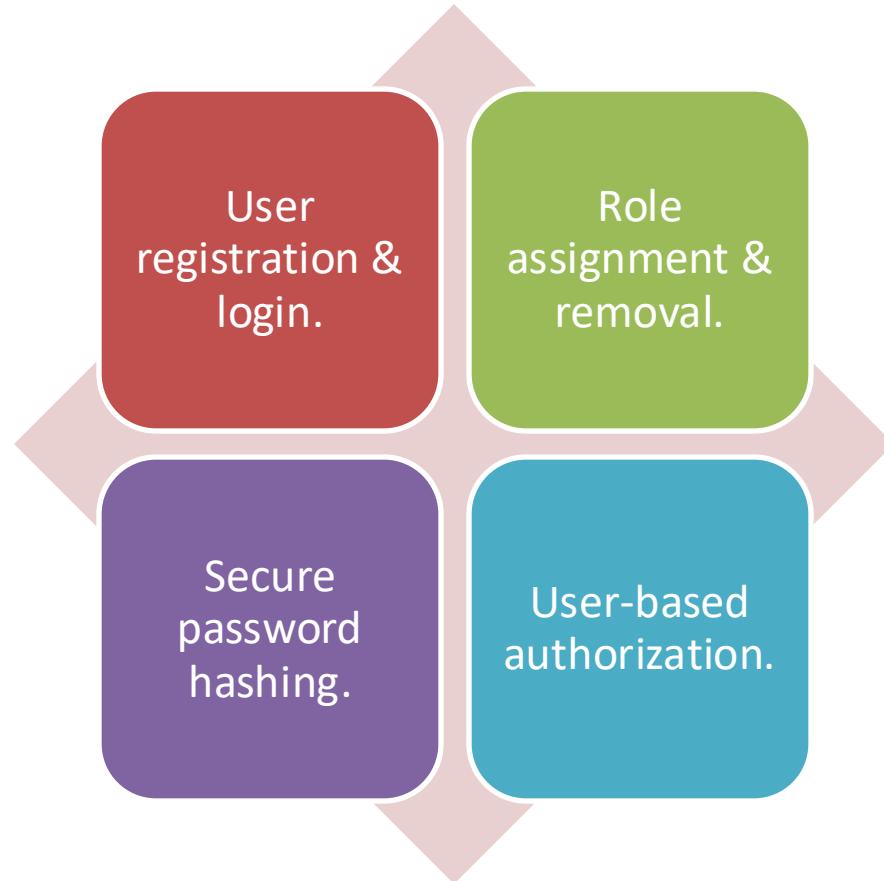
MySQL Database

JUnit + Mockito
for Testing

ReactJs, React
Hook, React
router, Bootstrap.

Jacoco,
Sonarquebe.

User Module Overview



Property Module Overview

Add property
by owner

Update/delete
only by owner

Search
properties
with filters

Pagination &
sorting
support

Booking Module Overview

Book property visit

Status update: REQUESTED, CONFIRMED, REJECTED

Customer-specific bookings

Property-specific bookings

Security Layer

JWT Authentication

Spring Security Filters

Secure endpoints based on
roles

Authenticated user via
SecurityContextHolder

Testing Strategy

JUnit 5 + Mockito

Service layer unit
tests

MockMvc for
controller tests

Lenient stubbing
to avoid
unnecessary
mock errors.

Login Page

Things You Can Do with MyBrokerly

- Post your Property for FREE
- Set property alerts based on requirements
- Get accessed by thousands of verified buyers
- Receive instant property queries
- Track your property performance
- Upload multiple photos and detailed information

MyBrokerly.com

Welcome to MyBrokerly

Manage properties, connect with buyers, and grow your business!

[Login](#)

[Register](#)

Register Page

Join MyBrokerly Today

Create your free account and start listing or searching for properties.

Register

Manisha

Email

.....

First Name

Last Name

Phone Number

Customer

Sign Up

Search Page

MyHCLTech - Ho X | iTime X | property_broker X | Projects - Sonar X | gita2912ranode X | Swagger UI X | property-broker X

localhost:5173/properties

Brokerly.com

Home Properties My Properties My Bookings Ganpati Logout

Find Your Dream Property

City State House Type (e.g. Flat) Min ₹ Max ₹ Beds Baths Search Reset

 3 BHK Flat near Metro Station
Delhi, Karnataka
4 Beds | 3 Baths
Price: ₹25,571,482 [Get Contact Details](#)

 3 BHK Flat near Metro Station
Surat, Maharashtra
5 Beds | 1 Baths
Price: ₹28,624,439 [Get Contact Details](#)

 2 BHK Flat near Metro Station
Pune, Gujarat
3 Beds | 3 Baths
Price: ₹43,446,451 [Get Contact Details](#)

9+  5:41 PM 11/13/2025

Booking Management

 Brokerly.com

Home Properties  My Properties  My Bookings  Ganpati [Logout](#)

My Bookings

 Refresh  Browse Properties



3 BHK Flat near Metro Station
Delhi, Karnataka • Villa
Scheduled: 11/14/2025, 5:45:00 AM
Notes: I would like to visit

REQUESTED **₹25,571,482** [View Property](#) [Cancel](#)



3 BHK Flat near Metro Station
Surat, Maharashtra • Apartment
Scheduled: 11/14/2025, 8:45:00 AM
Notes: I would Like to visit

REQUESTED **₹28,624,439** [View Property](#) [Cancel](#)

Property Management

Brokerly.com

Title: Tulip Villa

Description: This is beautiful Villa near that there is sea view.

Address: Santacruze, mumbai,41132

Price (₹): 300000000

Area (sqft): 600

City: Mumbai

State: Maharashtra

Country: India

Zipcode: 411023

Bedrooms: 2

Bathrooms: 2

Property Image URL: <https://shahluxuryhomes.com/wp-content/uploads/2015/07/Deland-35.jpg>

localhost:5173 says

Property added successfully!

OK

My Properties **My Bookings** **Ganpati** **Logout**

My Property Management



My Listed Properties

[+ Add New Property](#)

Lotus Apartment

Mumbai, Maharashtra — Apartment

2 Beds | 2 Baths
₹300,000,000 | 600 sqft

[Update](#)[Delete](#)

Tulip Villa

Mumbai, Maharashtra — House

2 Beds | 2 Baths
₹300,000,000 | 600 sqft

[Update](#)[Delete](#)

Swagger File

user-controller

^

GET	/api/users/{id}	🔒 ↴
PUT	/api/users/{id}	🔒 ↴
DELETE	/api/users/{id}	🔒 ↴
GET	/api/users	🔒 ↴
POST	/api/users	🔒 ↴
POST	/api/users/{id}/roles	🔒 ↴
DELETE	/api/users/{id}/roles	🔒 ↴

role-controller

^

GET	/api/roles/{id}	🔒 ↴
PUT	/api/roles/{id}	🔒 ↴
DELETE	/api/roles/{id}	🔒 ↴
GET	/api/roles	🔒 ↴
POST	/api/roles	🔒 ↴

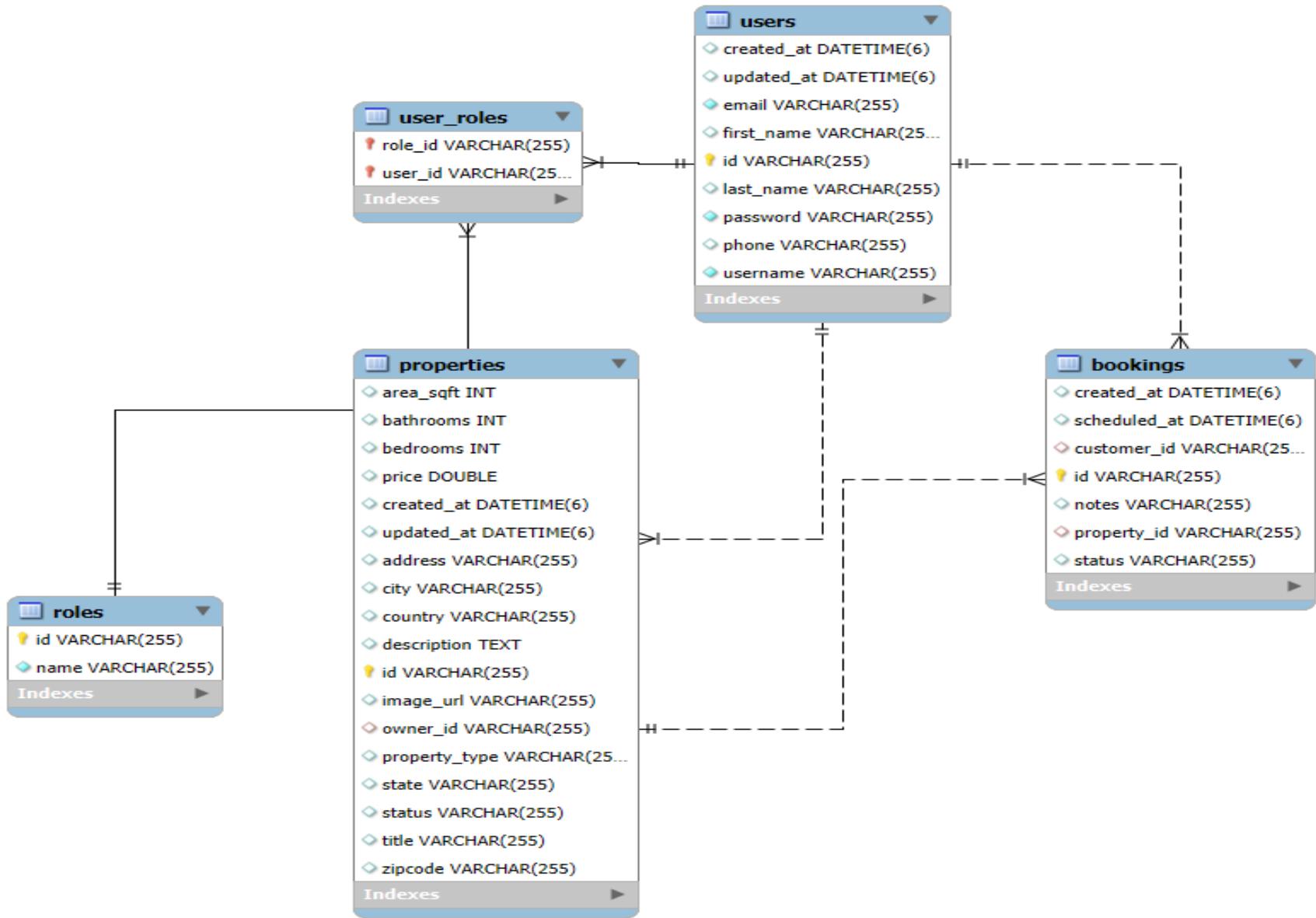
property-controller

GET	/api/properties/{id}	🔒 ▾
PUT	/api/properties/{id}	🔒 ▾
DELETE	/api/properties/{id}	🔒 ▾
GET	/api/properties	🔒 ▾
POST	/api/properties	🔒 ▾
GET	/api/properties/search	🔒 ▾
GET	/api/properties/owner	🔒 ▾

booking-controller

PUT	/api/bookings/{id}/status	🔒 ▾
GET	/api/bookings	🔒 ▾
POST	/api/bookings	🔒 ▾
GET	/api/bookings/{id}	🔒 ▾
DELETE	/api/bookings/{id}	🔒 ▾
GET	/api/bookings/customer	🔒 ▾

Database Design



Github Repository

- Backend: [gita2912ranode/property-broker-system](#)
- Frontend: [gita2912ranode/property-broker-system-frontend](#)

Conclusion

- Monolithic but modular architecture
- Clean separation of concerns
- Secure, scalable, and testable
- Ready for microservice migration