**CRUD OPERATIONS**

**1.TENANTS**

**CREATE**

{

"tenant\_id": "tenant11",

"name": "Ritu Desai",

"houseNumber": "K-303",

"floor": 3,

"tower": "Tower K",

"phone": "9876543211",

"email": "ritu.desai@example.com",

"familyMembers": 2,

"pets": { "type": "Dog", "name": "Bruno" },

"rentPaid": 1300

}

**DESCRIPTION:**

Inserts a new tenant into the database with details like name, contact, pets, and rent paid. Ensures the tenant is registered in the system for housing and billing purposes.

**READ**

{ "tenant\_id": "tenant11" }

**DESCRIPTION:**

Fetches tenant information based on their unique tenant ID.Used to view personal, rental, or contact details of the tenant.

**UPDATE**

{

"$set": {

"rentPaid": 1600

}

}

**DESCRIPTION:**

Modifies existing tenant data, such as updating rent payments or contact info. Helps keep tenant records accurate and up to date.

**DELETE**

Click trash icon next to tenant11.

**DESCRIPTION:**

Removes the tenant's record from the system permanently. Typically used when a tenant vacates or the entry was added by mistake.

**2.PROPERTIES**

**CREATE**

{

"prop\_id": "property11",

"houseNumber": "K-303",

"floor": 3,

"tower": "Tower K",

"property\_type": "Studio",

"rentAmount": 9500,

"advanceAmount": 28500,

"facing": "West",

"bedrooms": 1,

"balconies": 1,

"bathrooms": 1,

"furnishing": "Furnished",

"petAllowed": true,

"carParking": {

"available": true,

"parkingNumber": "PK-03"

}

}

**DESCRIPTION:**

Adds a new property entry with full specifications like rent, layout, parking, and furnishing. Registers the unit in the system for listing and tenant assignment.

**READ**

{ "prop\_id": "property11" }

**DESCRIPTION:**

Retrieves property details using the unique property ID. Helps users view all essential information about a specific rental unit.

**UPDATE**

{

"$set": {

"rentAmount": 10000

}

}

**DESCRIPTION:**

Updates existing property details such as rent amount or furnishing status. Useful for reflecting price changes or property upgrades.

**DELETE**

Click trash icon next to property11.

**DESCRIPTION:**

Deletes the property record permanently from the system.  
Typically done when the unit is no longer available or listed.

**3.OWNERS**

**CREATE**

{

"\_id": "owner11",

"name": "Rajeev Menon",

"houseNumber": "K-303",

"floor": 3,

"tower": "Tower K",

"phone": "9823000001",

"email": "rajeev.menon@example.com",

"bankDetails": {

"bankName": "Axis Bank",

"accountNumber": "123456780000",

"ifscCode": "UTIB0001234"

}

}

**DESCRIPTION:**

Adds a new property owner with contact and bank account details. Registers the owner for rent transactions and communication purposes

**READ**

{ "\_id": "owner11" }

**DESCRIPTION:**

Fetches the owner's information using their unique ID. Allows easy access to ownership and payment details.

**UPDATE**

{

"$set": {

"phone": "9823000002"

}

}

**DESCRIPTION:**

Modifies specific owner information like phone number or email. Ensures the owner's contact and banking data stays current.

**DELETE**

Click trash icon next to owner11.

**DESCRIPTION:**

Removes the owner's record from the system permanently.  
Used when ownership changes or the record is no longer valid.

**4.AMENITIES**

**CREATE**

{

"\_id": "amenity11",

"propertyId": "property11",

"amenities": ["Gym", "Swimming Pool", "Library"]

}

**DESCRIPTION:**

Adds a new set of amenities linked to a specific property. Helps showcase features like Gym or Pool that enhance tenant appeal.

**READ**

{ "\_id": "amenity11" }

**DESCRIPTION:**

Retrieves the amenities available for a particular property using its ID. Useful for displaying facility details on property listings.

**UPDATE**

{

"$set": {

"amenities": ["Gym", "Swimming Pool", "Library", "Clubhouse"]

}

}

**DESCRIPTION:**

Updates the amenities list, such as adding or removing facilities. Keeps property feature information current and accurate.

**DELETE**

Click trash icon next to amenity11.

**DESCRIPTION:**

Deletes the amenities record associated with the property. Used when features are no longer offered or data needs cleanup.

**5.MAINTENANCE\_REQUEST**

**CREATE**

{

"req\_id": "request11",

"tenant\_id": "tenant2",

"property\_id": "property2",

"description": "Broken tap in washroom",

"photo": "https://example.com/photos/tap\_issue.jpg",

"status": "Pending",

"createdAt": "2025-07-27"

}

**DESCRIPTION:**

Logs a new maintenance issue reported by a tenant with details and photo proof.  
Ensures timely tracking and resolution of property-related problems.

**READ**

{ "req\_id": "request11" }

**DESCRIPTION:**

Retrieves a specific maintenance request using its unique ID.  
Allows property managers to review the issue and take necessary action.

**UPDATE**

{

"$set": {

"status": "In Progress"

}

}

**DESCRIPTION:**

Updates the status of the maintenance request (e.g., to "In Progress" or "Resolved").  
Used to track progress and inform tenants about issue handling.

**DELETE**

Click trash icon next to request11.

**DESCRIPTION:**

Removes the maintenance request from the system.  
Done after issue resolution or if the request was submitted in error.

**6.RENTAL\_AGREEMENTS**

**CREATE**

{

"agreement\_id": "agreement11",

"tenantId": "tenant2",

"propertyId": "property2",

"startDate": "2025-10-01",

"endDate": "2026-09-30",

"rentAmount": 1300,

"status": "Upcoming",

"eSignature": true

}

**DESCRIPTION:**

Creates a new rental agreement between a tenant and property with terms and duration.  
Includes e-signature support and agreement tracking for legal compliance.

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**READ**

{ "agreement\_id": "agreement11" }

**DESCRIPTION:**

Fetches a specific rental agreement using its unique ID.  
Used to view contract details like rent amount, duration, and status.

**UPDATE**

{

"$set": {

"status": "Active"

}

}

**DESCRIPTION:**

Changes specific fields in the agreement, such as updating the agreement status. Ensures accurate tracking of lease phases like “Upcoming” or “Active.”

**DELETE**

Click trash icon next to agreement11.

**DESCRIPTION:**

Removes the rental agreement from the system permanently.  
Typically done after agreement expiration or cancellation.