# **HƯỚNG DẪN CÀI ĐẶT MÔI TRƯỜNG**

1. Downloading and installing Node.js and Npm

* **[sudo] npm install npm -g**

1. Download & Install MongoDB

* <https://medium.com/@LondonAppBrewery/how-to-download-install-mongodb-on-windows-4ee4b3493514>

1. MongoDB Compass

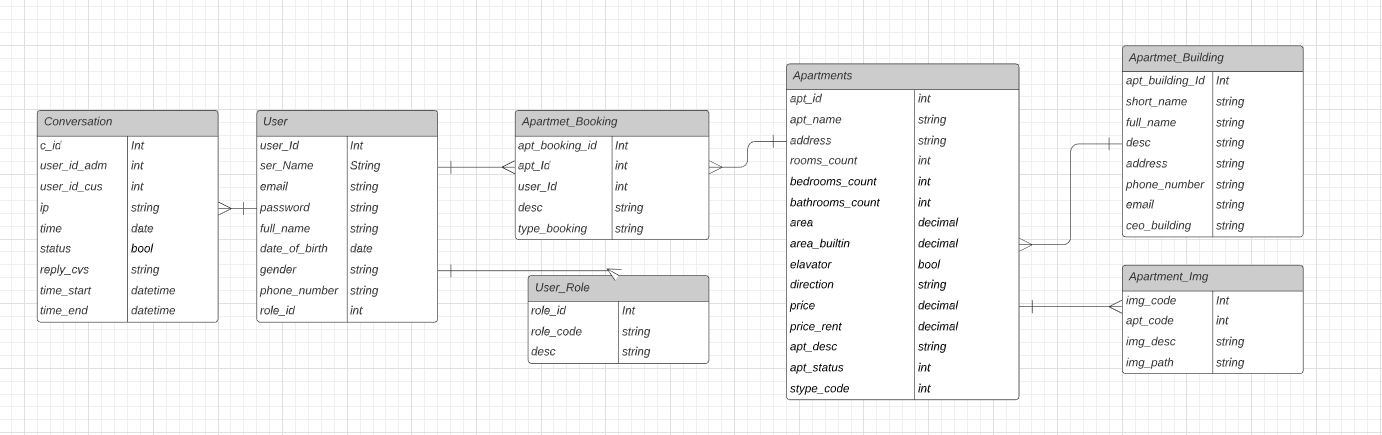
* <https://www.mongodb.com/products/compass>

1. Download Postman

* <https://www.postman.com/downloads/>

# **THIẾT KẾ DATABASE**

## Mô hình quan hệ dữ liệu



## Phân biệt dữ liệu

### Bảng Apartmet\_Booking

* Column type\_booking

|  |  |
| --- | --- |
| Value | Description |
| 01 | Apartmet Booking: Khách hàng đã fill đầy đủ thông tin để được nhân viên sale tư vấn. |
| 02 | Apartmet Favourties: Khách hàng muốn lưu lại thông tin favourties mà khách hàng muốn xem ngay lại ở lần sau. |

# REST APIS

## User Role URL

|  |  |  |
| --- | --- | --- |
| HTTP Verbs | API - ACTION | Note |
| GET | All : <http://localhost:3000/api/user_role>  By Id: [http://localhost:3000/api/user\_role](http://localhost:3000/api/user_role%20) /{id} | Đoạn này cần set quyền admin mới được xem. |
| POST | {      "role\_code": "01",      "desc": "Đây là admin."  } |  |
| PUT | [http://localhost:3000/api/user\_role/{id}](http://localhost:3000/api/user_role/%7bid%7d)  {      "role\_code": "01",      "desc": "Đây là admin"  } | Set x-auth-token quyền admin mới được update. |
| DELETE | [http://localhost:3000/api/user\_role/{id}](http://localhost:3000/api/user_role/%7bid%7d) | Set x-auth-token quyền admin mới được update. |

## User

|  |  |  |
| --- | --- | --- |
| HTTP Verbs | API - ACTION | Note |
| GET | All : <http://localhost:3000/api>/user  By me: [http://localhost:3000/api/user](http://localhost:3000/api/user_role%20)/me | Get all: Set x-auth-token quyền admin mới được lấy được toàn bộ user.  Get me: Set x-auth-token mới được lấy được.thông tin user đăng nhập. |
| POST | {      "user\_name": "Mạnh Đạt",      "email": "dattm201197@gmail.com",      "password": "12345678",      "full\_name": "Trần Mạnh Đạt",      "date\_of\_birth": "2018-03-29T13:34:00.000",      "gender": "F",      "phone\_number": "0988968286",      "user\_role\_id": "5f30c449c59f5c06fc52fd83"  } | Khi register user trả về Response Headers token: x-auth-token |
| PUT | [http://localhost:3000/api/user/{id}](http://localhost:3000/api/user/%7bid%7d)  {      "user\_name": "Mạnh Đạt",      "email": "dattm201197@gmail.com",      "password": "12345678",      "full\_name": "Trần Mạnh Đạt",      "date\_of\_birth": "2018-03-29T13:34:00.000",      "gender": "F",      "phone\_number": "0988968286",      "user\_role\_id": "5f30c449c59f5c06fc52fd83"  } | Set x-auth-token quyền admin mới được update. |
| DELETE | [http://localhost:3000/api/user/{id}](http://localhost:3000/api/user/%7bid%7d) | Set x-auth-token mới được xóa. |

## Authentication/Login

|  |  |  |
| --- | --- | --- |
| HTTP Verbs | API - ACTION | Note |
| Post | <http://localhost:3000/api/auth>  {      "email": "dattm201197@gmail.com",      "password": "12345678"  } | Đăng nhập thành công trả về token. |
| Logging Out Users | Khi đăng nhập thành công server trả về token cho client.  Server không lưu trữ lại token.  Xử lý xóa token trên client để thực hiện đăng xuất |  |

## **Apartment Building URL**

|  |  |  |
| --- | --- | --- |
| HTTP Verbs | API - ACTION | Note |
| GET | All : <http://localhost:3000/api/apartment_building>  By id: <http://localhost:3000/api/apartment_building>/{id} |  |
| POST | {     "short\_name": "Valentino1",     "full\_name": "Manh Dat Company",      "desc": "JPG",      "address": "JAPAN",      "phone\_number": "0988968286",      "email": "dattm201197@gmail.com",      "ceo\_building": "Trần Mạnh Đạt",      "logo\_img": Select A File  } | Set x-auth-token với user quyền admin. |
| PUT | [http://localhost:3000/api/apartment\_building/{id}](http://localhost:3000/api/apartment_building/%7bid%7d)  {     "short\_name": "Valentino1",     "full\_name": "Manh Dat Company",      "desc": "JPG",      "address": "JAPAN",      "phone\_number": "0988968286",      "email": "dattm201197@gmail.com",      "ceo\_building": "Trần Mạnh Đạt",      "logo\_img": Select A File  } | Set x-auth-token với user quyền admin. |
| DELETE | [http://localhost:3000/api/apartment\_building/{id}](http://localhost:3000/api/apartment_building/%7bid%7d) | Set x-auth-token với user quyền admin. |

## Apartment URL

|  |  |  |
| --- | --- | --- |
| HTTP Verbs | API - ACTION | Note |
| GET | All : <http://localhost:3000/api/apartment>  By id: <http://localhost:3000/api/apartment>/{id} |  |
| POST | {  "apt\_name": "PH",  "address": "HN",  "rooms\_count": 10,  "bedrooms\_count": 20,  "bathrooms\_count": 11,  "area": 123,  "area\_builtin": 100,  "elavator": true,  "direction": "Đông",  "price": 39999,  "price\_rent": 1222,  "apt\_desc": "What",  "apt\_status": 1,  "stype\_code": "01",  "apartmet\_building\_id": "5efee2b94f25e23a18faa891",  "apartment\_img": Select Files} | Set x-auth-token với user quyền admin. |
| PUT | [http://localhost:3000/api/apartment/{id}](http://localhost:3000/api/apartment/%7bid%7d)  {  "apt\_name": "PH",  "address": "HN",  "rooms\_count": 10,  "bedrooms\_count": 20,  "bathrooms\_count": 11,  "area": 123,  "area\_builtin": 100,  "elavator": true,  "direction": "Đông",  "price": 39999,  "price\_rent": 1222,  "apt\_desc": "What",  "apt\_status": 1,  "stype\_code": "01",  "apartmet\_building\_id": "5efee2b94f25e23a18faa891",  "apartment\_img": Select Files  } | Set x-auth-token với user quyền admin. |
| DELETE | <http://localhost:3000/api/apartment>/{id} | Set x-auth-token với user quyền admin. |

## Apartment Booking URL

1. {
2. "apartmet\_id": "5f3514f639cc5921807113ef",
3. "user\_id": "5f34f9d833896e3898e9b39b",
4. "desc": "Hãy gọi ngay và luôn"
5. }