

⇒ In RDBMS we follow Schema, but in MongoDB we didn't this problem  
structure (MySQL)

⇒ community edition → free → and itself powerful  
enterprise edition → payed No SQL ⇒ MongoDB

⇒ Mongo ⇒ client / write commands  
Command line shell ⇒ connect to specific Instance of mongod

⇒ mongod ⇒ Mongo daemon ⇒ host process to database

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SQL		MongoDB
database	→	database
table	→	collection
rows	→	documents (JSON)
columns	→	fields

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⇒ Compass - GUI for MongoDB  
Atlas  
But we could use CMD as a developer

To connect mongo by compass  
\* click connect directly  
\* create database  
\* create collection

```
const mongoose = require("mongoose")
// connection creation and create DB
mongoose.connect("mongodb://localhost:27017/
test-db", { useNewUrlParser
: true })
```

connect-db or If not  
present db it create db  
by the name testdb

Return Promise

(it holds the data and show  
in further)

↳ fulfill as object

- then()  $\Rightarrow$  console.log("Connection Successful...")
- catch(err)  $\Rightarrow$  console.log(err);

$\Rightarrow$  Deprecated :- the functionality may not work  
as changes so not working properly

$\Rightarrow$  We can directly connect mongodb to local host  
By Compass GUI

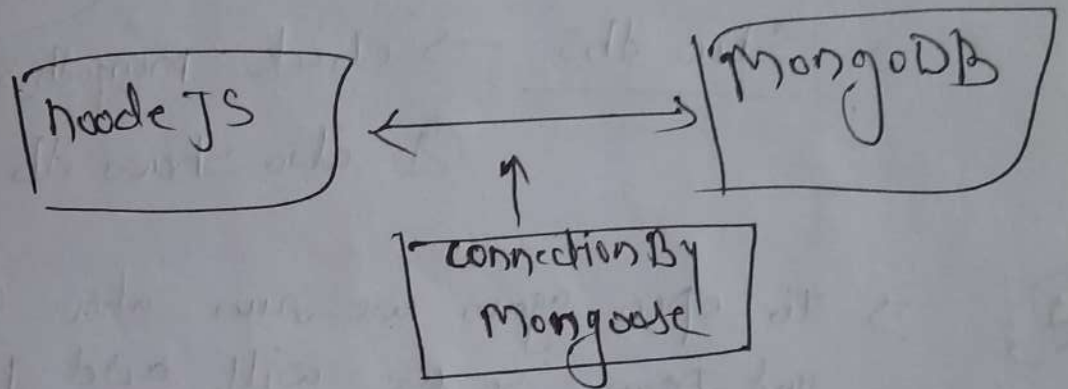


Mongoose:- we can say framework for MongoDB  
we connect NodeJS → MongoDB

⇒ Mongoose is ODM object data modeling  
library for MongoDB

⇒ It Manage relationship b/w data

⇒ provides Schema Validation



⇒ install npm install mongoose → project level

## How To get SSH Key

email id

\* `$ ssh-keygen -t rsa -b 4096 -C "-----"`

↑  
this code search from google

\* This gives a path like `C:/user/admin/.ssh/`

↑  
copy this path and paste  
↓

\* `cat C:/user/admin/.ssh/-----`

→ get SSH key that will add to git-hub

\* then

`$ git push origin Master`



connect git to github

\* After Create user/ Email and the project- will on staging area we ask the git base to push the project on github

\* So we link the project to github <sup>Repository</sup>

\* and we click on SSH in github <sup>Repository</sup>  
 I copy the link I paste of the command

~~\$ git remote add origin ~~github~~ git@github.com : dev5143/placeholder~~

(VI) \$ git push origin master ← Before push you must access from github SSH



## Git hub Basics

- \* Create github Repository
- \* open folder with git base

Create user

I \* \$git config --global user.name dev

II \* \$git config --global user.email basodhiya@gmail.com

- \* Create a blank file in any folder by  
\$ touch .gitignore (optional)

III) \$ git init (initialized empty Git Repo)

IV) \$ git add. (Staging area)

V) \$ git commit -m "Initial commit"

\$ git status