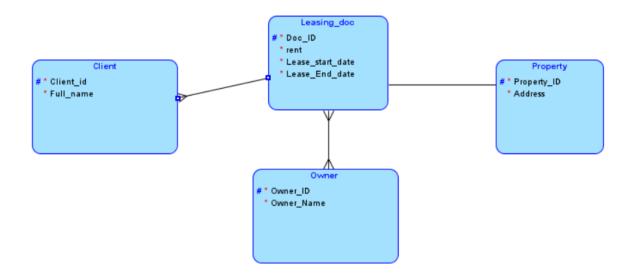
1) ER Diagram:



2) Normalisation:

1NF Form:

Achieving 1NF requires that each property only contains atomic (indivisible) values and that there are no recurring groups or arrays. It appears that in this situation, each attribute already has atomic values.

Client_I D	Client_fu Ilname	Owner_I D	Owner_n ame	Property _id	Address	Doc_ID (Primary Key)	Rent (IN \$)	Least_st art_date	Lease_e nd_date
235	John k	322	vijay	P2	23 East view	512Q	4000	09/19/20 23	09/19/20 24
456	Raj f	321	rocky	P3	18 major street	125Z	5000	01/09/20 22	08/09/20 23

2NF Form:

Two requirements must be met in order to attain 2NF:

- Be in 1NF (Attained above).
- Ensure that non-prime attributes—those that aren't a part of the primary key—are utterly reliant on the complete primary key.

Doc_ID (Primary Key)	Rent (IN \$)	Least_st art_date	Lease_e nd_date	Client_I D (PK)	Owner_I D (PK)	Property _id (PK)
512Q	4000	09/19/20 23	09/19/20 24	235	322	P2
125Z	5000	01/09/20 22	08/09/20 23	456	321	P3

Client_I D	Client_fu Ilname	
235	John k	
456	Raj f	

Owner_I D	Owner_n ame
322	vijay
321	rocky

Property _id	Address
P2	23 East view
P3	18 major street

3NF Form:

Two requirements must be met in order to attain 3NF:

- Be a member of 2NF, which is already attained above..
- A non-prime attribute should not depend on another non-prime attribute, thus make sure there are no transitive dependencies.

Doc_ID (Primary Key)	Rent (IN \$)	Least_st art_date	Lease_e nd_date
512Q	4000	09/19/20 23	09/19/20 24
125Z	5000	01/09/20 22	08/09/20 23

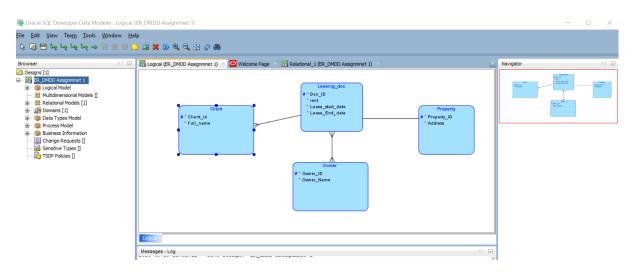
Client_I D	Client_fu Ilname	
235	John k	
456	Raj f	

Owner_I D	Owner_n ame
322	vijay
321	rocky

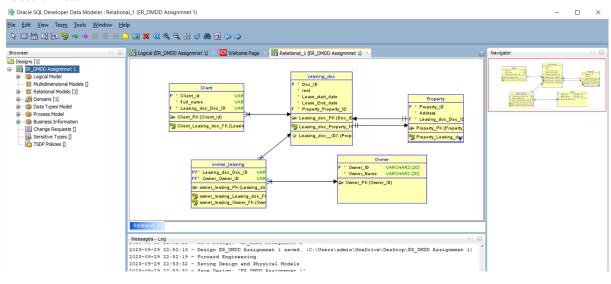
Property _id	Address
P2	23 East view
P3	18 major street

3) Logical and Relational Model

Logical Model:



Relational Model:



4) DDL Script is as follows:

CREATE TABLE client (

client_id VARCHAR2(20) NOT NULL, full_name VARCHAR2(20) NOT NULL, leasing_doc_doc_id VARCHAR2(20) NOT NULL

```
);
ALTER TABLE client ADD CONSTRAINT client_pk PRIMARY KEY ( client_id );
CREATE TABLE leasing_doc (
              VARCHAR2(20) NOT NULL,
 doc id
 rent
              VARCHAR2(20) NOT NULL,
 lease_start_date DATE NOT NULL,
 lease_end_date
                  DATE NOT NULL,
 property_property_id VARCHAR2(20) NOT NULL
);
CREATE UNIQUE INDEX leasing_doc__idx ON
  leasing_doc (
    property_property_id
  ASC);
ALTER TABLE leasing_doc ADD CONSTRAINT leasing_doc_pk PRIMARY KEY ( doc_id );
CREATE TABLE owner (
 owner_id VARCHAR2(20) NOT NULL,
 owner_name VARCHAR2(20) NOT NULL
ALTER TABLE owner ADD CONSTRAINT owner_pk PRIMARY KEY ( owner_id );
CREATE TABLE owner_leasing (
 leasing doc doc id VARCHAR2(20) NOT NULL,
 owner_owner_id VARCHAR2(20) NOT NULL
);
ALTER TABLE owner_leasing ADD CONSTRAINT owner_leasing_pk PRIMARY KEY (leasing_doc_doc_id,
                                      owner_owner_id );
CREATE TABLE property (
 property_id VARCHAR2(20) NOT NULL,
               VARCHAR2(20) NOT NULL,
 address
 leasing_doc_doc_id VARCHAR2(20) NOT NULL
);
CREATE UNIQUE INDEX property idx ON
  property (
    leasing_doc_doc_id
  ASC);
ALTER TABLE property ADD CONSTRAINT property_pk PRIMARY KEY ( property_id );
ALTER TABLE client
 ADD CONSTRAINT client_leasing_doc_fk FOREIGN KEY ( leasing_doc_doc_id )
    REFERENCES leasing_doc ( doc_id );
ALTER TABLE leasing_doc
  ADD CONSTRAINT leasing_doc_property_fk FOREIGN KEY ( property_property_id )
    REFERENCES property ( property_id );
ALTER TABLE owner_leasing
  ADD CONSTRAINT owner_leasing_leasing_doc_fk FOREIGN KEY ( leasing_doc_doc_id )
    REFERENCES leasing_doc ( doc_id );
ALTER TABLE owner_leasing
  ADD CONSTRAINT owner_leasing_owner_fk FOREIGN KEY ( owner_owner_id )
    REFERENCES owner ( owner_id );
ALTER TABLE property
 ADD CONSTRAINT property_leasing_doc_fk FOREIGN KEY ( leasing_doc_doc_id )
    REFERENCES leasing_doc ( doc_id );
```

5) Screenshots of Created user and executed script:

