



GROUP ASSIGNMENT – SCENARIO 1



SCS 1203 - Database 1

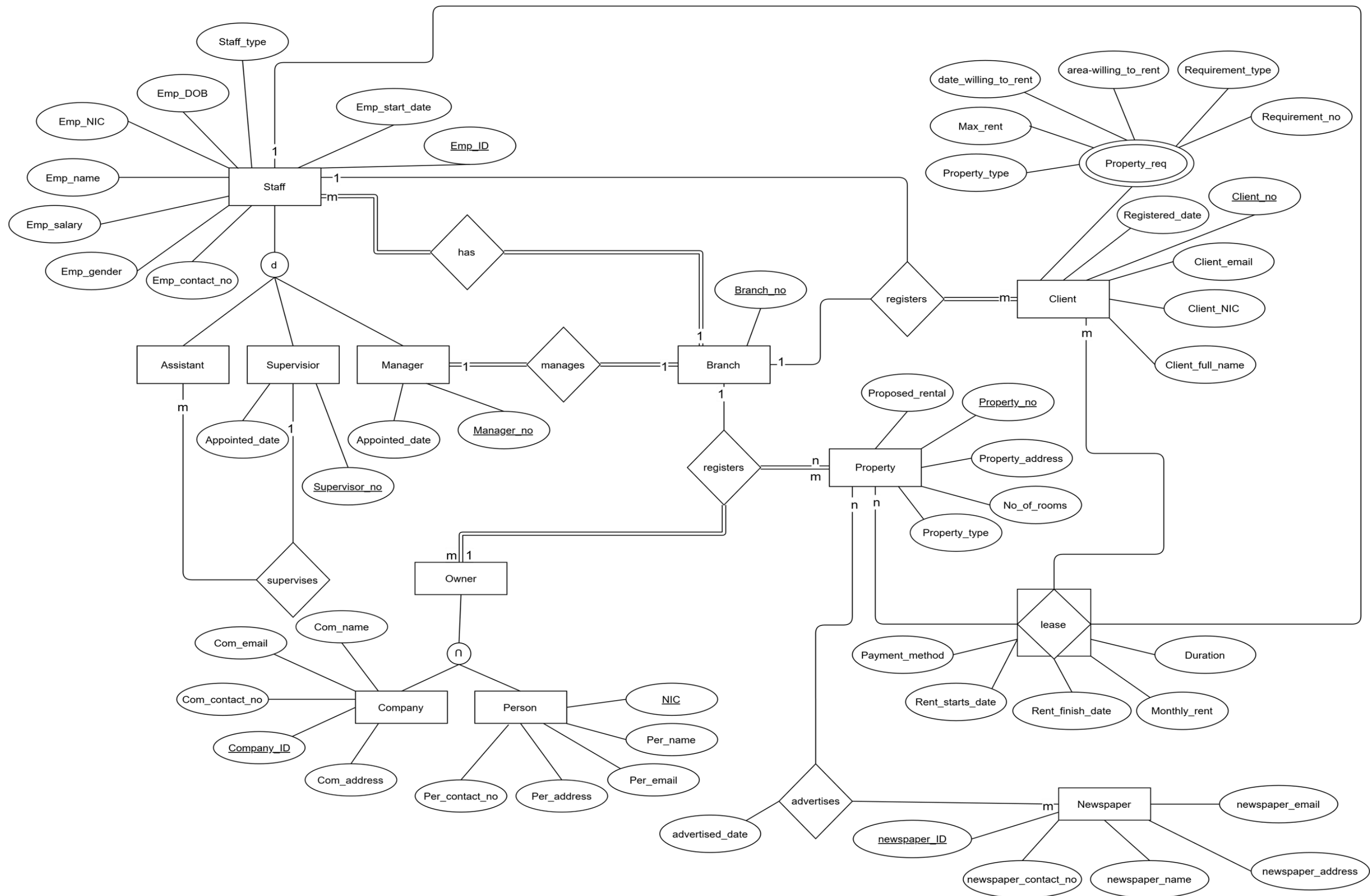
GROUP 29

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1. ER Diagram



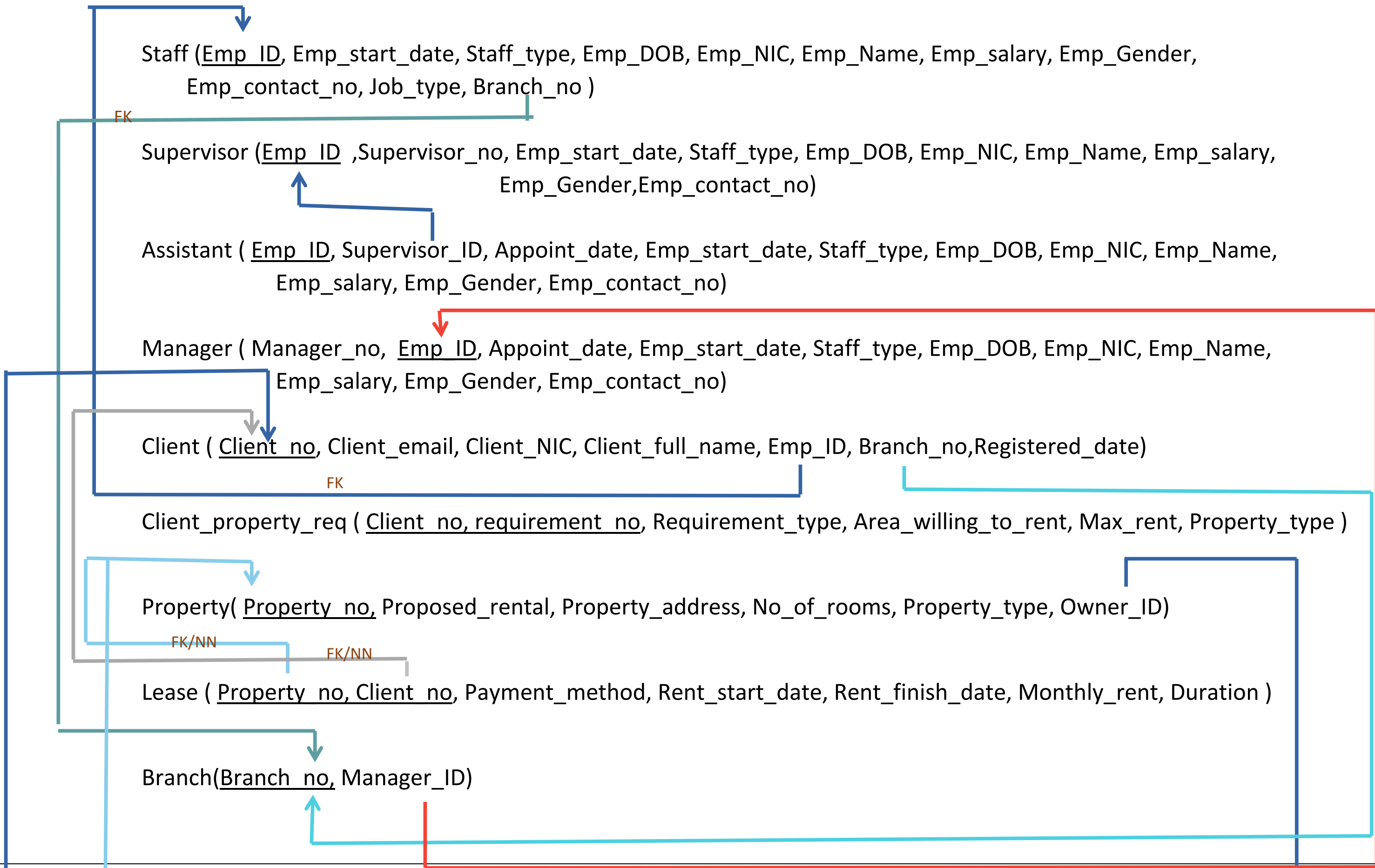
1.1. Assumptions

- One supervisor supervises many assistants but an assistant is supervised by a single supervisor. There is a 1:m relationship. (Not given in the scenario)
- One branch has many staffs and one staff belongs to only one branch. There is a 1:m relationship. (Not given in the scenario)
- All staffs should belong to any of the branch and all branches should have at least a staff working. So there is a total participation on both staff entity and branch entity. (Not given in the scenario)
- All properties are not advertised to the newspaper and all newspapers do not need to contain property advertisement. So there is a partial participation for both property and newspaper entities. (Not given in the scenario)

- One property advertised in many newspapers and one newspaper contains many property advertisements. So there is a m:n relationship. (Not given in the scenario) Newspaper primary key (Newspaper_ID)
- All branches should have a manager and all managers are appointed to a particular branch. So there is total participation on both manager and branch entities. (Not given in the scenario)
- All clients doesn't view a property and all property are not viewed by the client. So there is a partial participation on both property and client entities. (Not given in the scenario)
- One client views many properties and one property is viewed by many clients. So there is m:n relationship. (Not given in the scenario)
- All properties to be rented should be registered to the branch by owners and There can exist some branches without properties and owners. All owners should be registered to the branch. So there is a total participation on property entity, partial participation on branch entity and total participation on property entity. (Not given in the scenario)

- All owners should register the property to the branch and There can exist some branches without properties and owners. . So there is a total participation on owner entity and partial participation on branch entity. (Not given in the scenario)
- One owner can register many properties and one property belongs to only one owner so There is 1:m relationship on owner property relationship. (Not given in the scenario)
- One owner and one property can be registered to only one branch and one branch has many owners and many properties so There is 1:m:m relationship on owner property branch relationship. (Not given in the scenario)

2. ER diagram mapping



Owner_Property_Branch (Property no, Owner ID, Client_no)

Owner(Owner ID)

Company (Company ID, Company_contact_no, Company_email, Company_name, Company_address, Owner_Id)

Person (NIC, Per_name, Per_email, Per_address, Per_contact_no, Owner_ID)

Newspaper (Newspaper ID, Newspaper_email, newspaper_contact_no, news_paper_address)

Advertise (News paper ID, Property no, Advertise_date)

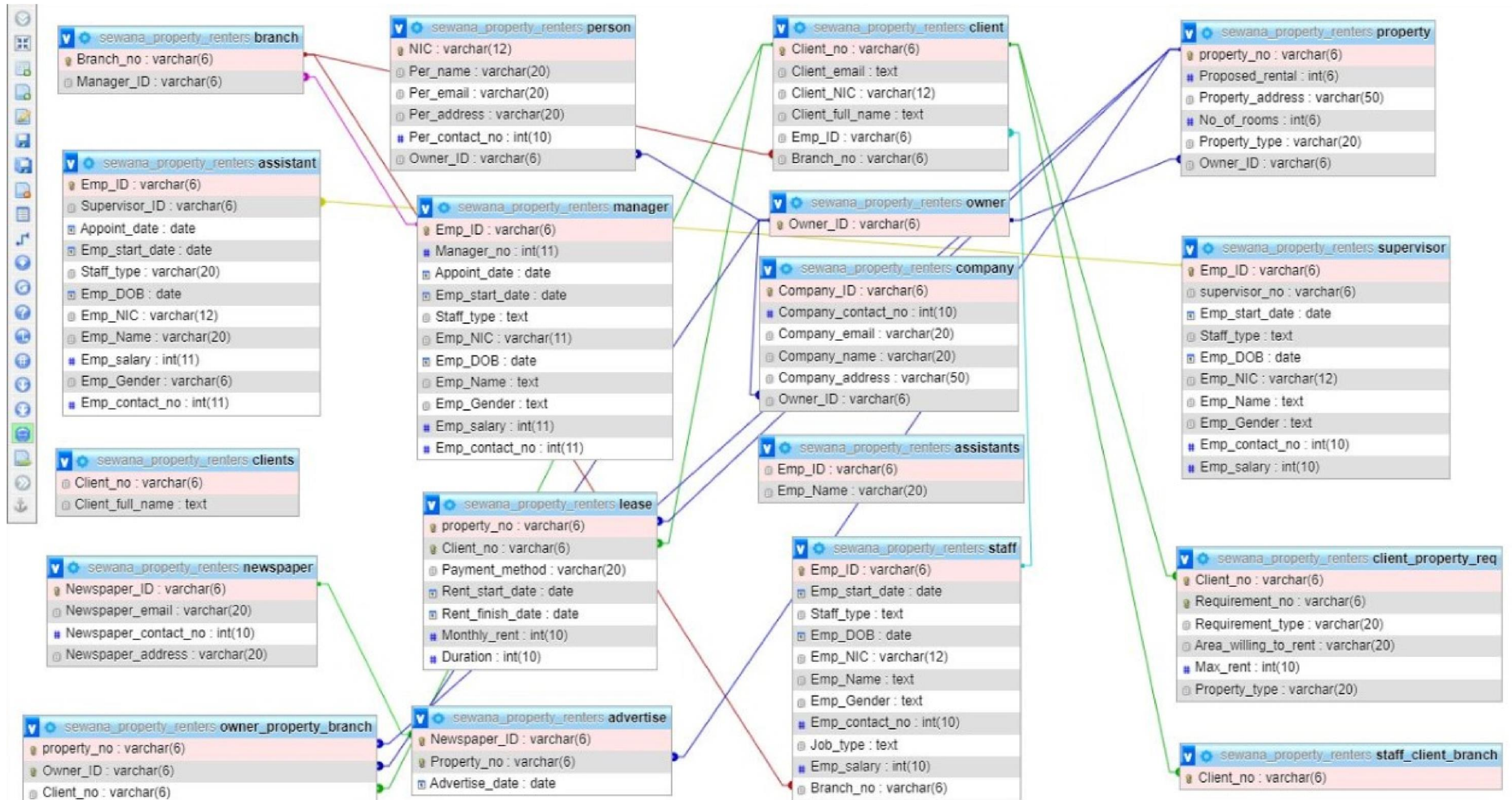
FK/NN

FK/NN

FK/NN

FK/NN

3. Structure of the database after implementation



4. Web Page

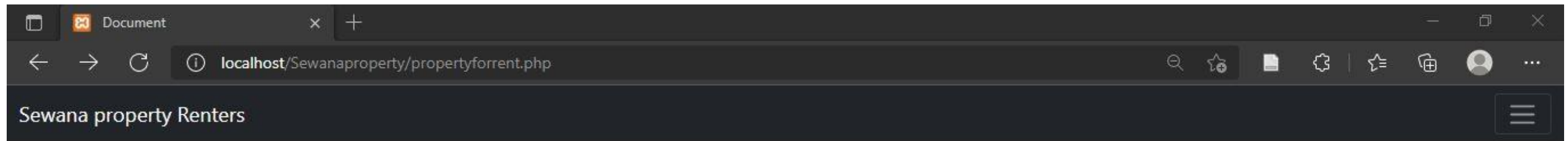
4.1. Permissions given to the users

- The branch details, advertisement details, newspaper details, property details and lease details can only be accessed by the admin for CRUD operation.
- The admin have the permissions to create,delete,update and insert the records of below tables.
 - Newspaper
 - Property
 - Branch
 - Advertisement
 - Lease
- The admin have the permissions to create,delete and update the records but he/she can't insert records to such tables are below.
 - Owner
 - Person
 - Company

- Client
 - Client details
 - Client property requirements
- Staff
 - Assistant
 - Supervisor
 - Manager
 - Other staffs

- The client, staff, private owner has only permissions to register into the sytem. That means they have permission just to insert their values.
- And they have the permissions to only view the property details. They can't insert, update or delete any records.

4.2. The interface of the webpage



Select your user level:

Sign in as a client ☐

Sign in as a staff ☐

Sign in as a privateowner ☐

or

Username

password

4.3. The instructions to be followed in order to access the web page

1. Paste the folder 'Sewanaproperty' to the "C:\xampp\htdocs" location
2. Import the file sewana_property_renters to the phpmyadmin using the option 'import' in phpmyadmin page.
3. Start module actions of Apache and MySQL in XAMMP control panel.
4. Go to this link '<http://localhost/Sewanaproperty/propertyforrent.php>' after importing the database.

4.4. Usernames and Passwords for each user levels

- This is for the admin.
 - username = "admin"
 - password = "admin123"
- This is for the client
 - username = "client "
 - password = "client123"

- This is for the owner You can use any one of these.

I. If the user is a person owner

- username = "person"
- password = "person123"

II. If the user is a company owner

- username = "company"
- password = "company123"

- This is for the staff. You can use any one of these.

I. If the user is a assistant staff

- username = "assistant"
- password = "assistant123"

II. If the user is a supervisor staff

- username = "supervisor"
- password = "supervisor123"

III. If the user is a Manager staff

- username = "manager"
- password = "manager123"

5. Contribution of Members

Name	Index	Contribution
Ruwandi Mayunika	20001134	Mapping ER diagram
Mithilan	20001152	ER Diagram
Sachini Muthugala	20001177	Report
Nareshkaan	20001193	Webpage