Real Estate Management System

Design Phase Presentation
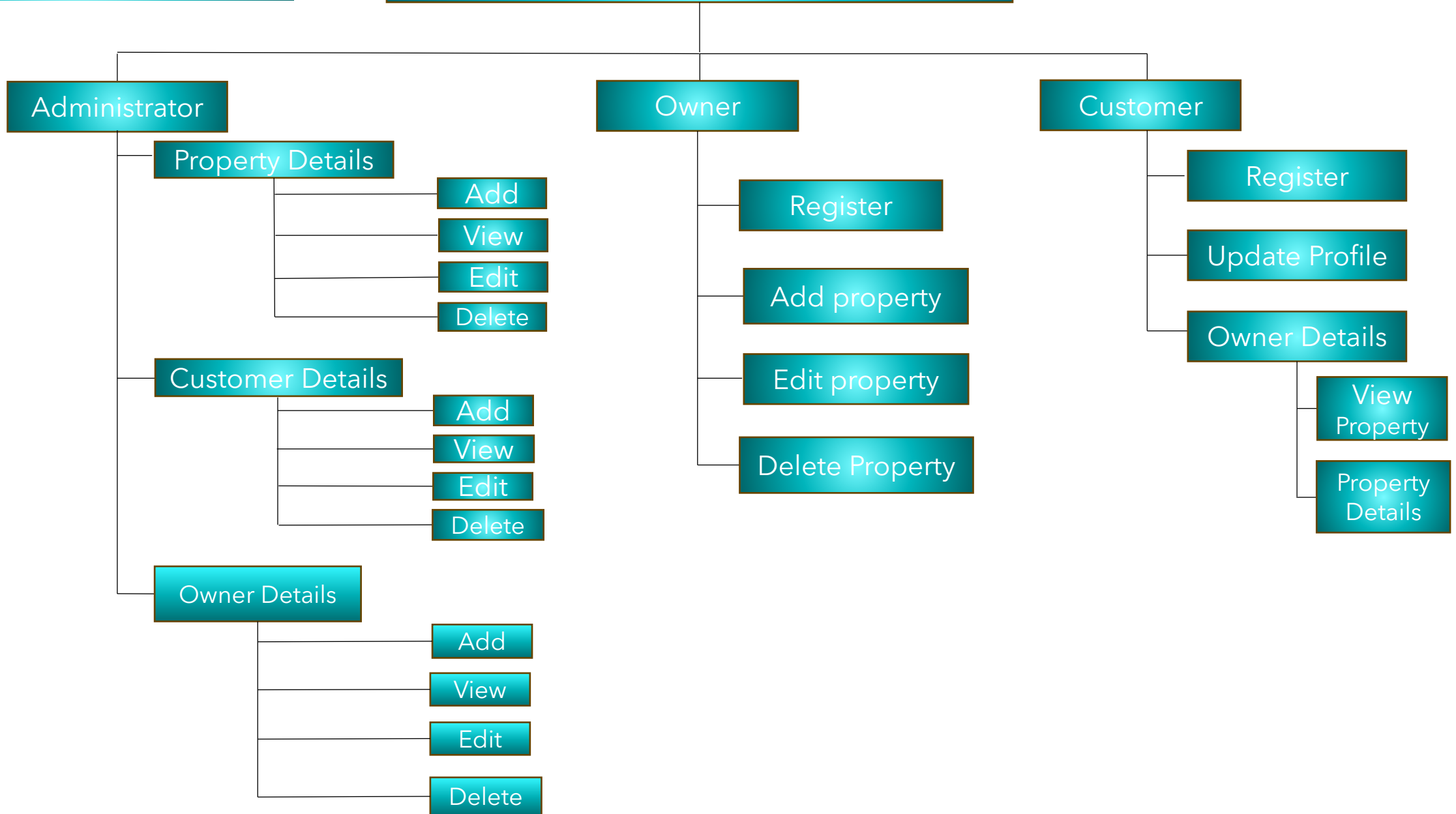
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Module Design

## Real Estate Management System

Administrator

- **Property Details**
  - Add
  - View
  - Edit
  - Delete
- **Customer Details**
  - Add
  - View
  - Edit
  - Delete
- **Owner Details**
  - Add
  - View
  - Edit
  - Delete

Owner

- Register
- Add property
- Edit property
- Delete Property

Customer

- Register
- Update Profile
- **Owner Details**
  - View Property
  - Property Details

Module Description

- **Admin** : This module will maintain the whole function of the property. The admin can add ,view ,edit ,delete the property.

- **Owner** : This module will provide the details of the owner. The owner can add, edit, view the property and can delete the property when it is being purchased.

- **Customer** : The customer can check the availability of the property and can purchase according to the type they want.

Software Design

Entity Relation(ER) Diagram
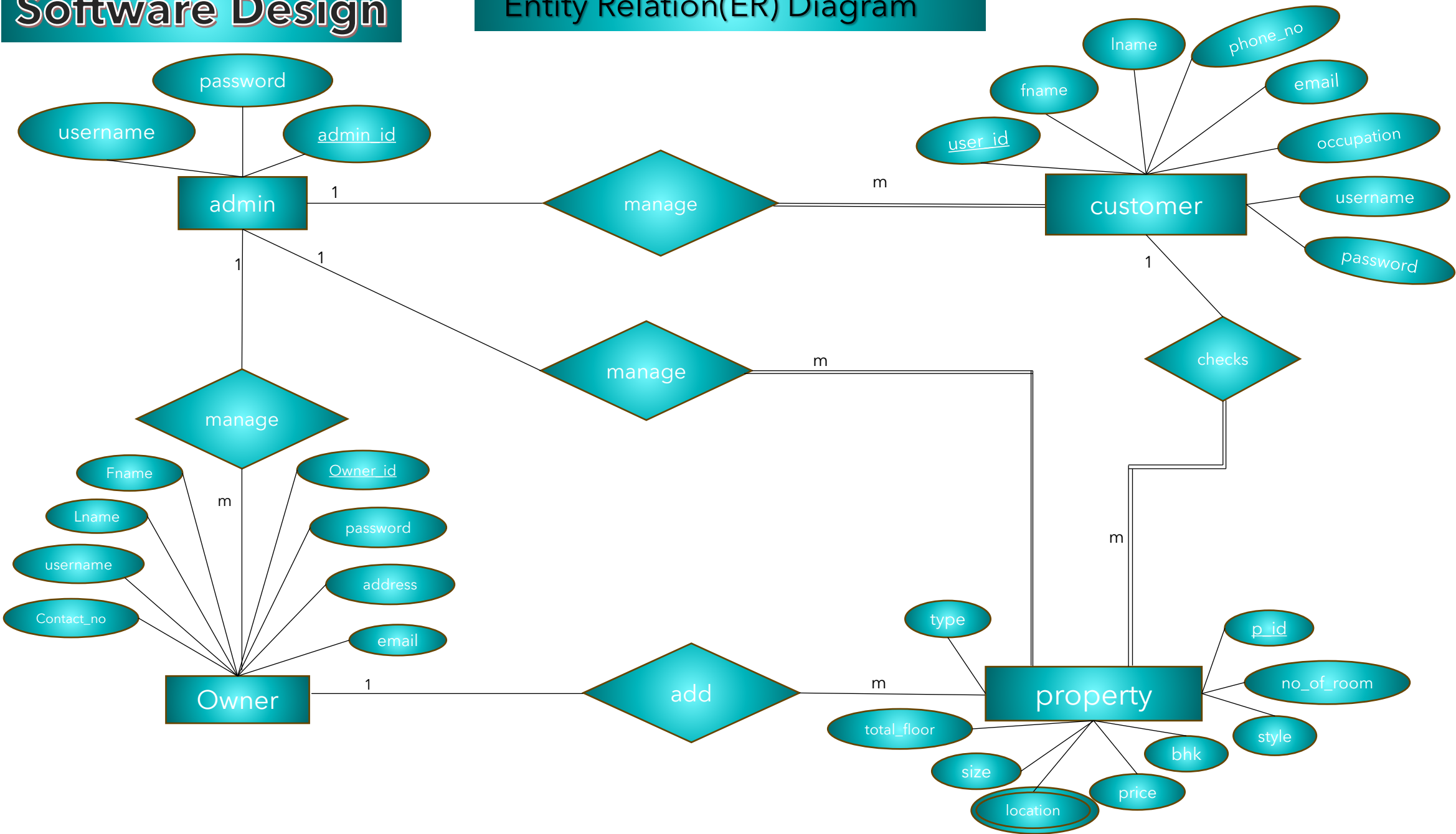
Database Design

❖ Administrator

admin_id	username	password

❖ Customer

user_id	firstname	lastname	phone_no	email	address	occupation	username	password

❖ Owner

owner_id	firstname	lastname	email	username	password	phone_no	address

❖ Property

p_id	type	bhk	size	price	location	total_floor	style	no_of_room	admin_id	owner_id	picture
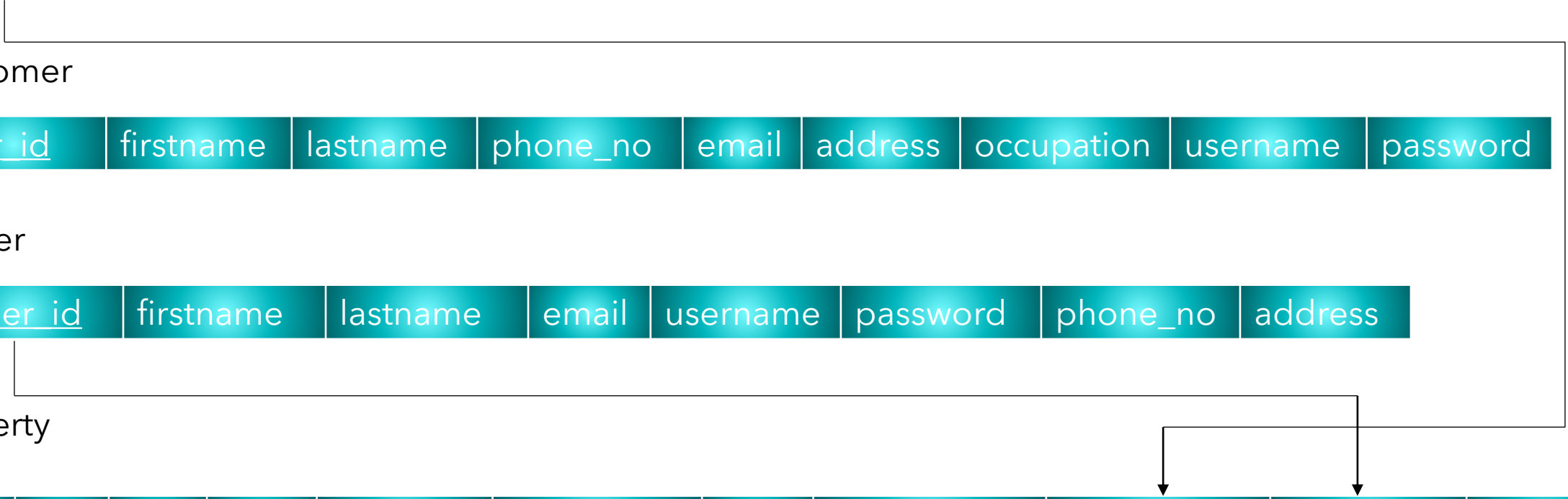
Data Dictionary

Admin

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action		
1	**admin_id** 🔑	int(10)			No	*None*			🖉 Change	⊖ Drop	More
2	**usename**	varchar(20)	utf8mb4_general_ci		No	*None*			🖉 Change	⊖ Drop	More
3	**password**	varchar(20)	utf8mb4_general_ci		No	*None*			🖉 Change	⊖ Drop	More

Customer

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action		
1	**user_id** 🔑	int(10)			No	*None*			🖉 Change	⊖ Drop	More
2	**firstname**	varchar(20)	utf8mb4_general_ci		No	*None*			🖉 Change	⊖ Drop	More
3	**lastname**	varchar(20)	utf8mb4_general_ci		No	*None*			🖉 Change	⊖ Drop	More
4	**phone_no**	int(10)			No	*None*			🖉 Change	⊖ Drop	More
5	**email**	varchar(20)	utf8mb4_general_ci		No	*None*			🖉 Change	⊖ Drop	More
6	**address**	varchar(20)	utf8mb4_general_ci		No	*None*			🖉 Change	⊖ Drop	More
7	**occupation**	varchar(20)	utf8mb4_general_ci		No	*None*			🖉 Change	⊖ Drop	More
8	**username**	varchar(20)	utf8mb4_general_ci		No	*None*			🖉 Change	⊖ Drop	More
9	**password**	varchar(20)	utf8mb4_general_ci		No	*None*			🖉 Change	⊖ Drop	More

Owner

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action		
1	**owner_id** 🔑	int(10)			No	*None*			✏ Change	⊖ Drop	More
2	**firstname**	varchar(20)	utf8mb4_general_ci		No	*None*			✏ Change	⊖ Drop	More
3	**lastname**	varchar(20)	utf8mb4_general_ci		No	*None*			✏ Change	⊖ Drop	More
4	**email**	varchar(20)	utf8mb4_general_ci		No	*None*			✏ Change	⊖ Drop	More
5	**username**	varchar(20)	utf8mb4_general_ci		No	*None*			✏ Change	⊖ Drop	More
6	**password**	varchar(20)	utf8mb4_general_ci		No	*None*			✏ Change	⊖ Drop	More
7	**phone_no**	int(10)			No	*None*			✏ Change	⊖ Drop	More
8	**address**	varchar(20)	utf8mb4_general_ci		No	*None*			✏ Change	⊖ Drop	More

Property

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action		
1	p_id 🔑	int(10)			No	None			🖊 Change	⊖ Drop	More
2	type	varchar(20)	utf8mb4_general_ci		No	None			🖊 Change	⊖ Drop	More
3	bhk	varchar(20)	utf8mb4_general_ci		No	None			🖊 Change	⊖ Drop	More
4	size	int(10)			No	None			🖊 Change	⊖ Drop	More
5	price	int(10)			No	None			🖊 Change	⊖ Drop	More
6	location	varchar(20)	utf8mb4_general_ci		No	None			🖊 Change	⊖ Drop	More
7	total_floor	varchar(20)	utf8mb4_general_ci		No	None			🖊 Change	⊖ Drop	More
8	style	varchar(20)	utf8mb4_general_ci		No	None			🖊 Change	⊖ Drop	More
9	no_of_room	int(10)			No	None			🖊 Change	⊖ Drop	More
10	admin_id 🔑	int(10)			No	None			🖊 Change	⊖ Drop	More
11	owner_id 🔑	int(10)			No	None			🖊 Change	⊖ Drop	More
12	picture	blob			No	None			🖊 Change	⊖ Drop	More

DFD Level 0
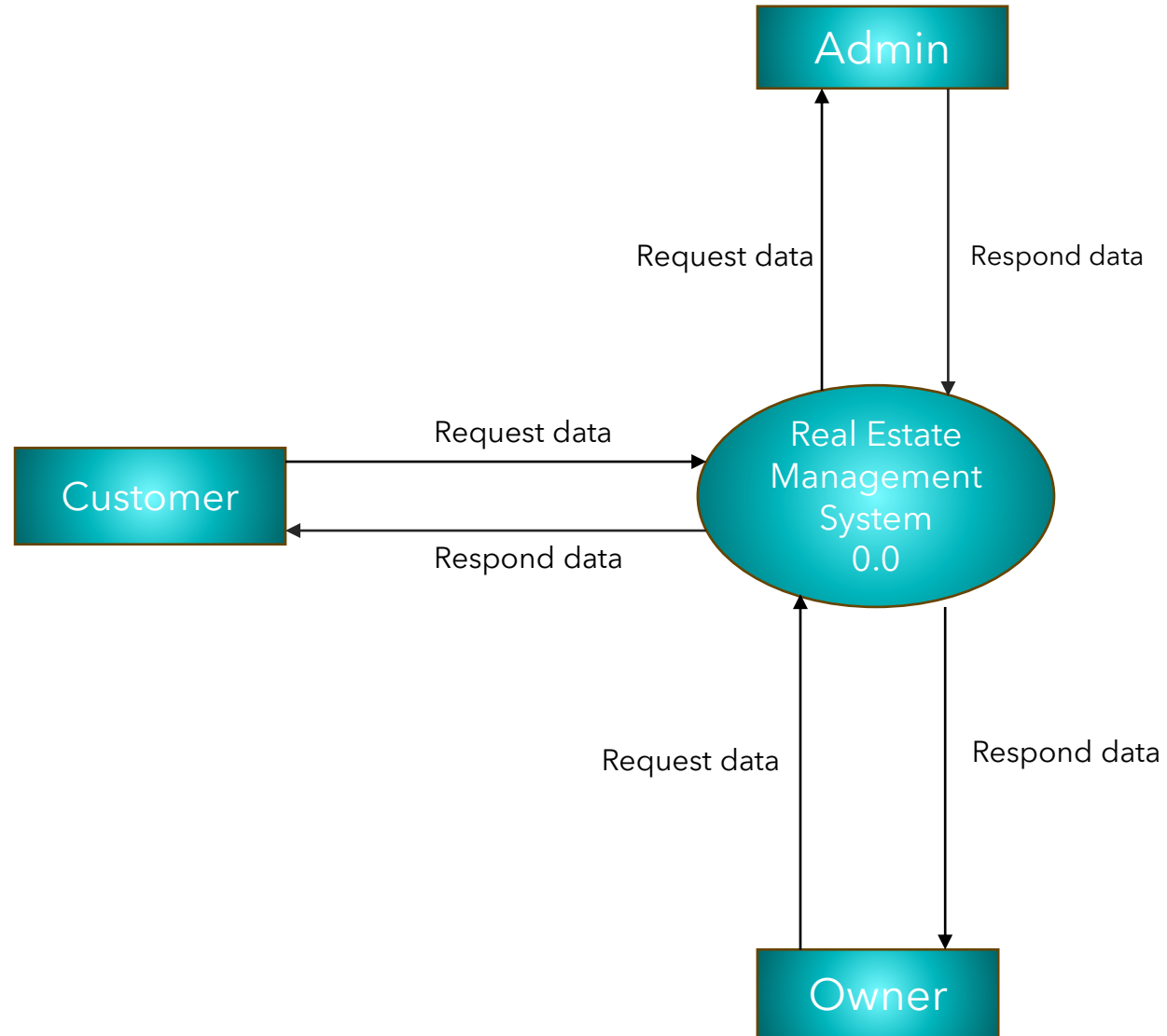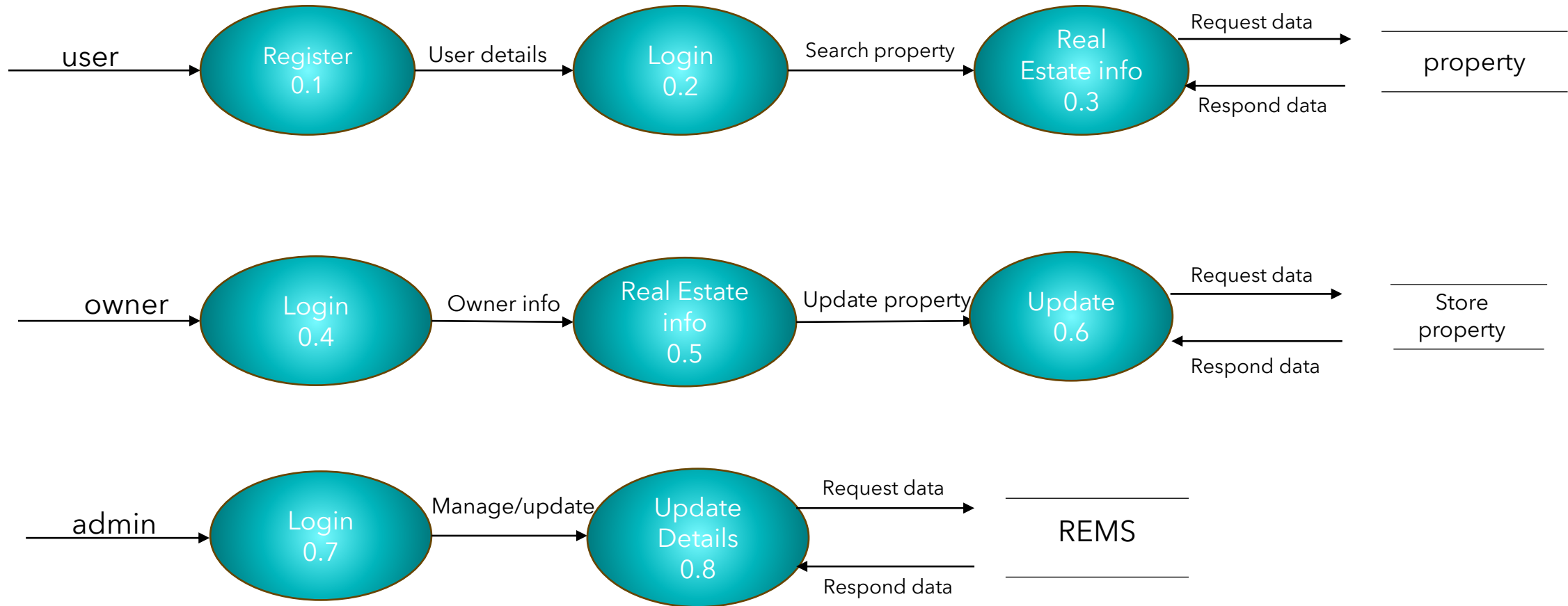
```
                    ┌──────────────┐
                    │    Admin     │
                    └──────────────┘
                      ▲        │
                      │        │
              Request data  Respond data
                      │        │
                      │        ▼
┌────────────┐                ╭─────────────────╮
│            │  Request data  │   Real Estate   │
│  Customer  │───────────────▶│   Management    │
│            │◀───────────────│     System      │
└────────────┘  Respond data  │      0.0        │
                              ╰─────────────────╯
                      ▲        │
                      │        │
              Request data  Respond data
                      │        ▼
                    ┌──────────────┐
                    │    Owner     │
                    └──────────────┘
```

DFD Level 1

Home Page

Registration Page

Register

Welcome to Real Estate!!

Your Name*

Your Email*

Your Phone*

Your Password*

⦿ User   ◯ Owner

Owner Image

| Choose File | No file chosen |

Register

OR

Already have an account? Login

Login Page

Login

Welcome!!

Your Email ID

Your Password

Login

OR

Don't have an account? **Register**

THANK YOU!