**Data Definitions:**

1. **Real Estate Property:**

Real estate property is the main data element of this web application. Almost every data flow is related to this element. Property has 03(Three) categories. They are:

* 1. **Residential:**

Residential property is used for living purpose only. There are few types of residential property that are given bellow:

* + 1. **House:**

The house is an abstract object and describes the relevant structural characteristics of the offered property. Maybe also features like images and custom properties for further object presentation (Example: room sizes, number of rooms, interior features, front and back yard facilities etc)

* + 1. **Apartment:**

The apartment or its specialization as a shared room is an abstract object and describes the relevant structural characteristics of the offered property. Maybe also features like images and custom properties for further object presentation (Example: Internet availability and animal friendly etc.)

* + 1. **Townhome:**

The townhome is an abstract object and describes the relevant structural characteristics of the offered property that located in city area or in the city center.

* + 1. **Land / Lots:**

The land / lots is an abstract object and describes the relevant structural characteristics of the offered property that is undeveloped and free.

* 1. **Commercial:**

Commercial property is used for business purpose. There are few types of commercial property that are given bellow:

* + 1. **Office buildings:**

The office buildings are an abstract object and describes the relevant structural characteristics of the offered property that are used as office and business meeting, conference places.

* + 1. **Warehouses:**

The warehouses are an abstract object and describes the relevant structural characteristics of the offered property that are used as to store different goods and materials.

* + 1. **Retail store buildings:**

The retail store buildings are an abstract object and describes the relevant structural characteristics of the offered property that are used super markets, shopping mall, shops, show rooms etc.

* 1. **Industrial:**

Industrial property is used for production purpose. There are few types of industrial property that are given bellow:

* + 1. **Factories:**

The factories are an abstract object and describes the relevant structural characteristics of the offered property that are used to produce different products etc.

* + 1. **Mines:**

The mines are an abstract object and describes the relevant structural characteristics of the offered property that are used collect different types of metal from ground.

* + 1. **Farms:**

The mines are an abstract object and describes the relevant structural characteristics of the offered property that are used collect different types of metal from ground.

1. **Real Estate Professional:**

Real estate professionals are one of the main actors of this web application. They are some skilled and experienced persons who are waiting to help their clients. There are some types of real estate professionals given bellow:

* 1. **Property Agent:**

Property agent is skilled broker who helps customers in buying or selling their any kind of real estate properties. This agent has some unique specialties. There are three types of agents in our marketplace. They are:

* + 1. **Individual:**

Individual agents has their own license from government authority.

* + 1. **Team:**

Team is consist of two or more agents where team is operated by team lead and each team is situated within a company. Company has license and teams are using it.

* + 1. **Both:**

Some agents can be act as individual and also a team member.

* 1. **Property Improvement:**

Property improvement professionals are ready to help their clients in improving their properties.

* 1. **Property Manager:**

Property manager professionals are ready to help their clients in renting, mortgage properties.

* 1. **Property Builder:**

Property builder professionals are ready to help their clients in giving innovative building ideas and pathways to build new constructions in land/lots .

* 1. **Property Inspector:**

Property inspector professionals are ready to help their clients in inspecting their properties to evaluate loan and mortgage value.

* 1. **Property Photographer:**

Property photographer professionals are ready to help their clients in taking clear 2D, 3D and 360 degree views of their properties.

1. **Customer:**

Customers are another main actors of this web application. There are several types of customers. They are as follows:

* 1. **Buyer:**

Buyers are willing to buy real estate properties.

* 1. **Owner / Landlord:**

Owner / Landlord are such kind of customers who wants to sell or rent their properties through real estate professionals.

* 1. **Renter:**

Renter are willing to take rent properties from owner / landlord. They are able to give feedbacks on rental properties so that next renter can get a overview on the property's actual condition and owner attitude.

* 1. **Lessee:**

Lessee can take lease of any properties from owner / landlord through real estate professionals.

1. **Favorites:**

A customer or a listing agent can add a property to their “Favourites” list, which is a list of properties in which the customer/agent is interested. This list is saved with their account and can be retrieved later.

1. **Property Review / Feedback:**

A customer can provide a feedback and can rate a specific property.