This doc gives the relationship of data -

Developers data -

1. master\_project\_en (of transaction data) could be matched for developer\_name\_en (of Developers data).
2. License\_issue\_date could be used to calculate the reputation of the builder. Example - older the builder, company could be reputed.
3. License\_expiry\_date - some developers have dates expired. Have they completely stopped working?
4. Legal\_status\_en - We need to understand the meaning of Limited Responsibility, Personal, Off Shore and New legal status
5. What is registration\_date? It is different from License\_issue\_date and License\_expiry\_date.
6. License\_type\_id is there but license\_type\_en has Arabic script. Not sure what info we are missing here.
7. Project\_id and parcel id.

Units -

1. Parent\_property\_id, grandparent\_property\_id of Units could be matched with procedure\_id of transaction data.
2. Master\_project\_id, master\_project\_en, project\_id, project\_name\_en are common ids in both units and Transaction data.
3. Area\_name\_en and area\_id are there in both Units and Transaction data.
4. Unit\_balcony\_area, parking\_allocation\_type (?), common\_area, actual\_common\_area, floor, rooms, rooms\_en, actual\_area, property\_sub\_type\_en, is\_free\_hold (?), is\_lease\_hold (?), is\_registered could be used for sales prediction

Brokers:

1. It has info about Brokers with their license start date and expire date along with contact details.
2. Let’s use this data when we start analyzing at broker level.

Project Application:

Not much info regarding price prediction.

Building Data, Unit and Land registry have pretty much the same set of variables.

1. If we find a key of one data set to transaction data, then we are going to get the same for the other two.

Is\_free\_hold = Is it in the list of lands/property which allows foreigners to own? 1 yes.

Accredited\_Escrow\_Agents: has a list of 44 banks, who are accredited escrow agents.

Building Floor level information:

Has building id - unique key

Type of floor - ground, underground, mezzanine

Floor no.

Usage description english - for what purpose it is used

Usage area - has negative numbers also (for 240 records), some have 0 area too (0.5M)

Building Summary Information:

This file has all information about the building like number of floors, area, ac, parking,

Looks like Community id is like project name

Parcel\_id is like different models in that community

Building id is like apartments/villas numbers.

Community Number: This refers to the general area or district where the property is located.

Plot Number: This is a specific number assigned to the individual parcel of land within that community.

Parcel ID: By combining the community number and plot number, a unique identifier is created for each property, allowing the DLD to track and manage real estate transactions effectively.

Permit number and project number - both are related - Permit number is the first part of the project number.

There is a column name 'Project number' in transaction data

there could be a mapping between Parcel id (which is there in Units, building and land registry and Building summary info data) and Project number (in Building summary info data and transaction data)

Map requests - Not much info -

Valuation:

Procedure\_id and procedure\_number are the only key -

Actual\_worth and property\_total\_value are to be compared - rest of the data are repetitive to transactions data.

Looks like somebody (company) visits each site/building - does the evaluation of the property and area.

The person who evaluates and his company details are listed in the Valuators licensing data.

Project application Data -

Application number and procedure number