Property database has been created with 7 different tables because the dataset has more features for property than customer.

**1-)Property\_Beds\_No:** It has been created because same neighbourhood or same property types can have same beds, to separated them this table has been created.

Beds\_No\_ID: Primary key identifying the bed configuration.

beds: Number of beds.

bed\_type: Type of bed.

**2-)Property\_Room:** It has been created because same neighbourhood or same property types can have same bedrooms, and bathrooms to separated them this table has been created.

Room\_ID: Primary key identifying the room.

bathrooms: Number of bathrooms.

bedrooms: Number of bedrooms.

Beds\_No\_ID: Foreign key referencing the bed configuration in the Property\_Beds\_No table. Beds\_No\_ID has been created to connect Property\_Beds\_No

**3-)Type\_Feature:** It has been created to specify property types for neighbourhoods.

Property\_ID: Primary key identifying the property.

property\_type: Type of property (e.g., apartment, house).

room\_type: Type of room.

Room\_ID: Foreign key referencing the room in the Property\_Room table. Room\_ID has been created to connect Property\_Room

**4-)Property\_Guests:** It has been created because same neighbourhood or same property types can have same beds, to separated them this table has been created.

Guests\_ID: Primary key identifying the guests.

guests\_included: Number of guests included.

extra\_people: Extra charge for additional guests.

Property\_ID: Foreign key referencing the property in the Type\_Feature table. . Property\_ID has been created to connect Type\_Feature.

**5-)Property\_AC\_Type:** It has been created to specify neighbourhood property types better.

AC\_Type\_ID: Primary key identifying the AC type.

accommodates: Maximum number of guests accommodated.

minimum\_nights: Minimum number of nights for booking.

extra\_people: Extra charge for additional people.

guests\_included: Number of guests included.

Guests\_ID: Foreign key referencing the guests in the Property\_Guests table. Guests\_ID has been created to connect Property\_Guests.

**6-)Property\_Calendar:** It has been created to give information for properties calendars when customer has purchased for this property.

Calendar\_ID: Primary key identifying the calendar entry.

host\_since\_year: Year since the host has been active.

host\_since\_anniversary: Anniversary date of the host's activity.

AC\_Type\_ID: Foreign key referencing the AC type in the Property\_AC\_Type table. AC\_Type\_ID has been created to connect Property\_AC\_Type.

**7-)Property\_Place:** It has been created to give information about properties location

id: Primary key identifying the property place.

city: City of the property.

state\_: State of the property.

neighbourhood\_cleansed: Cleansed name of the neighborhood.

zipcode: Zip code of the property.

price: Price of the property.

Calendar\_ID: Foreign key referencing the calendar entry in the Property\_Calendar table. Calendar\_ID has been created to connect Property\_Calendar.