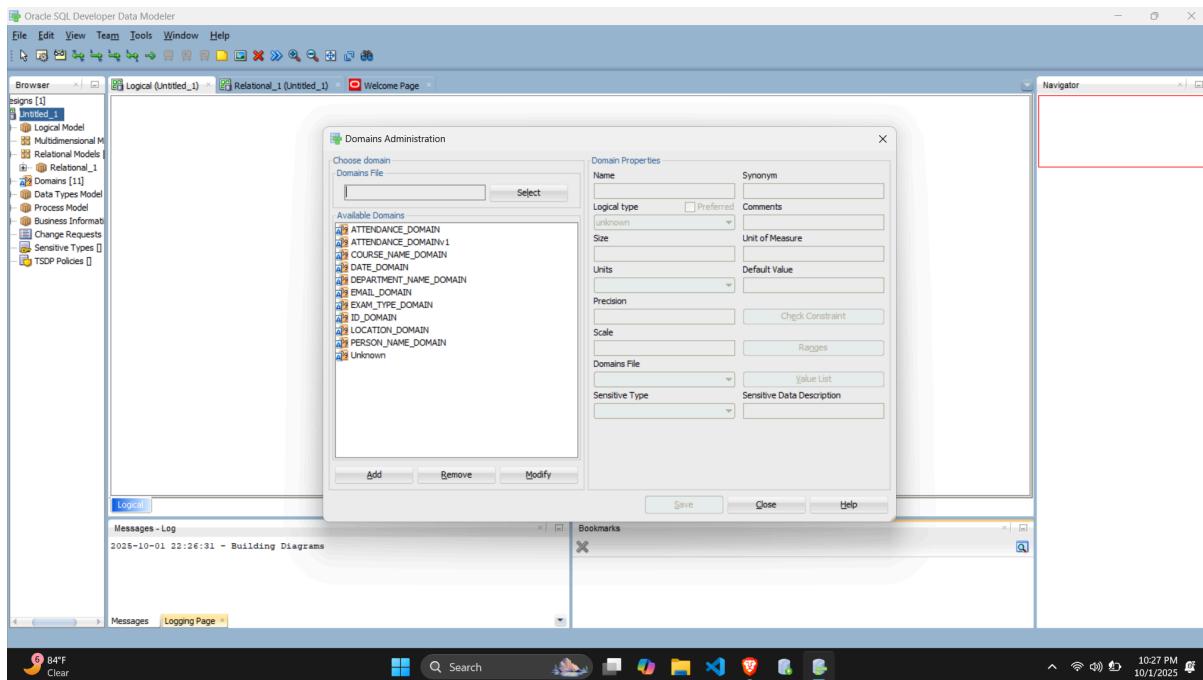


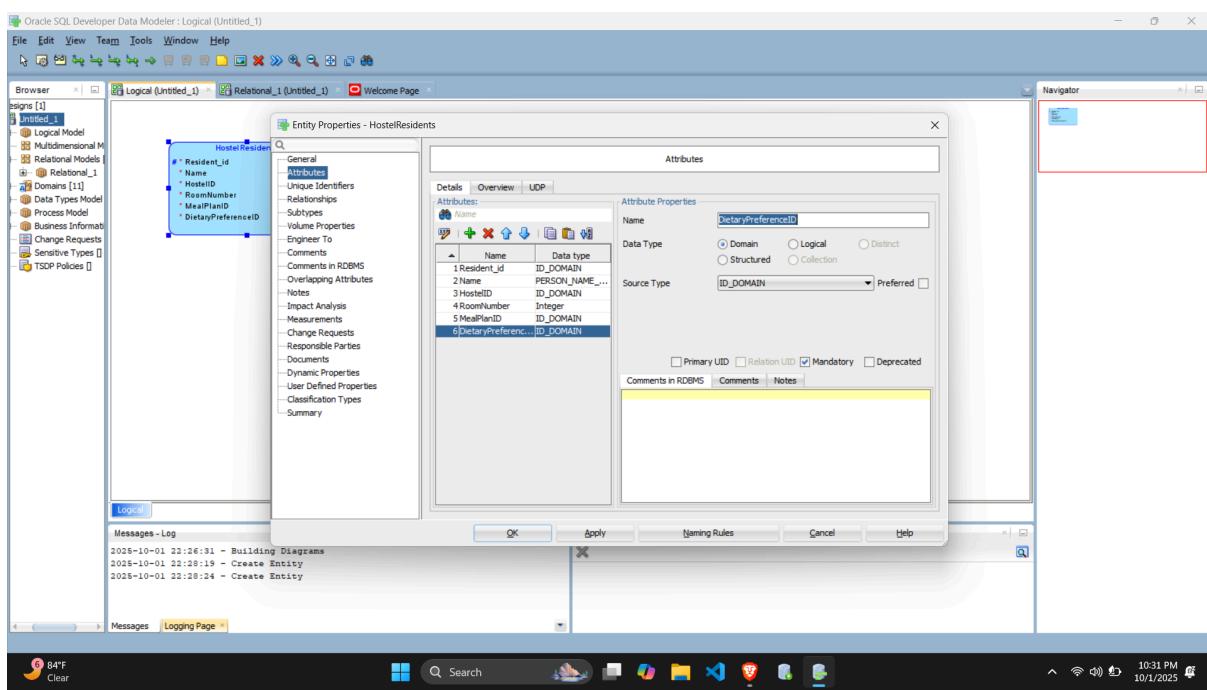
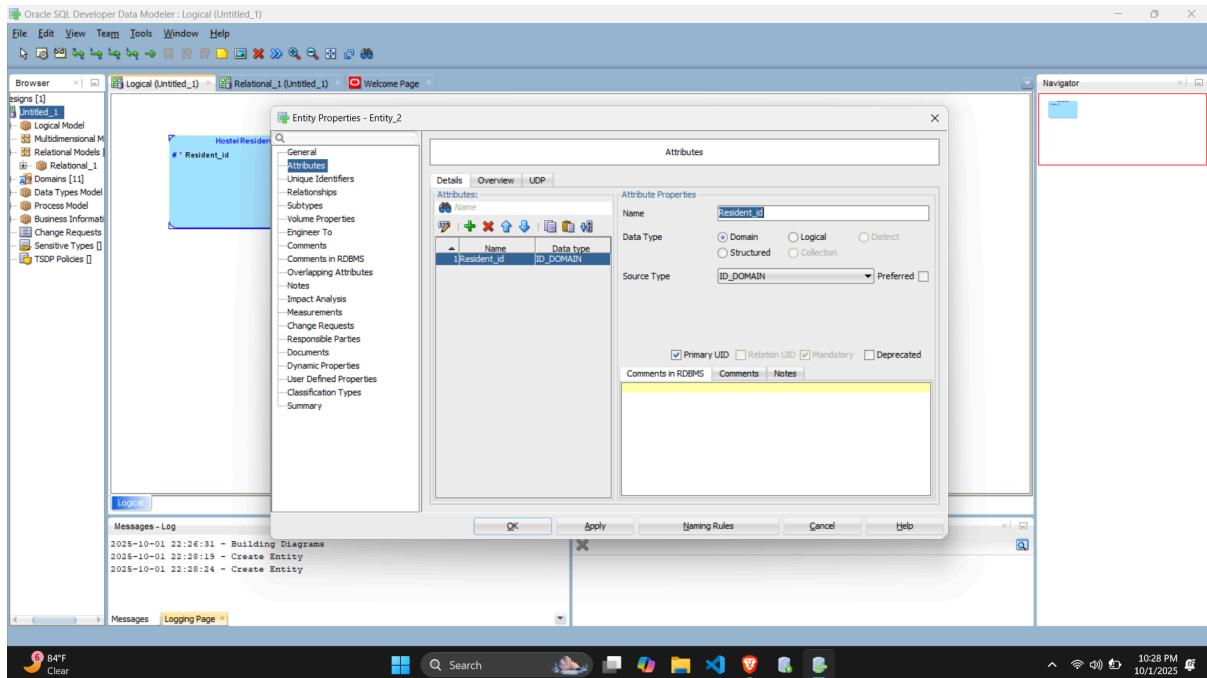
POSTLAB 5

Created	@October 1, 2025 10:27 PM
Class	DBLAB

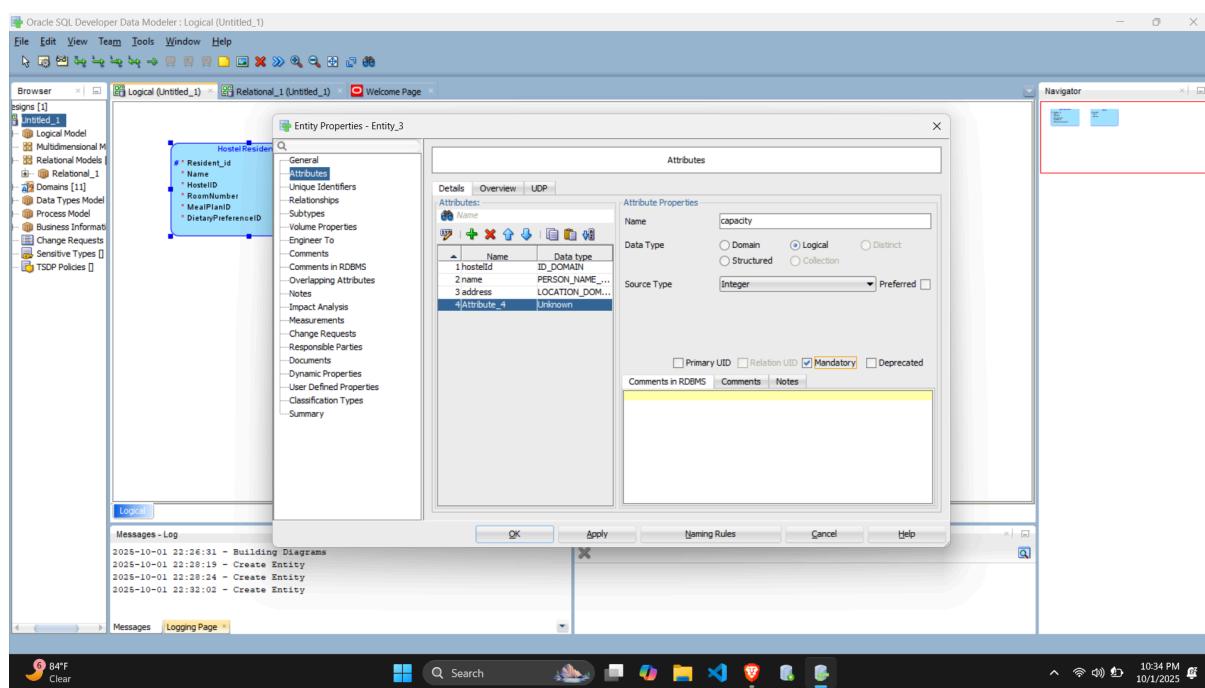
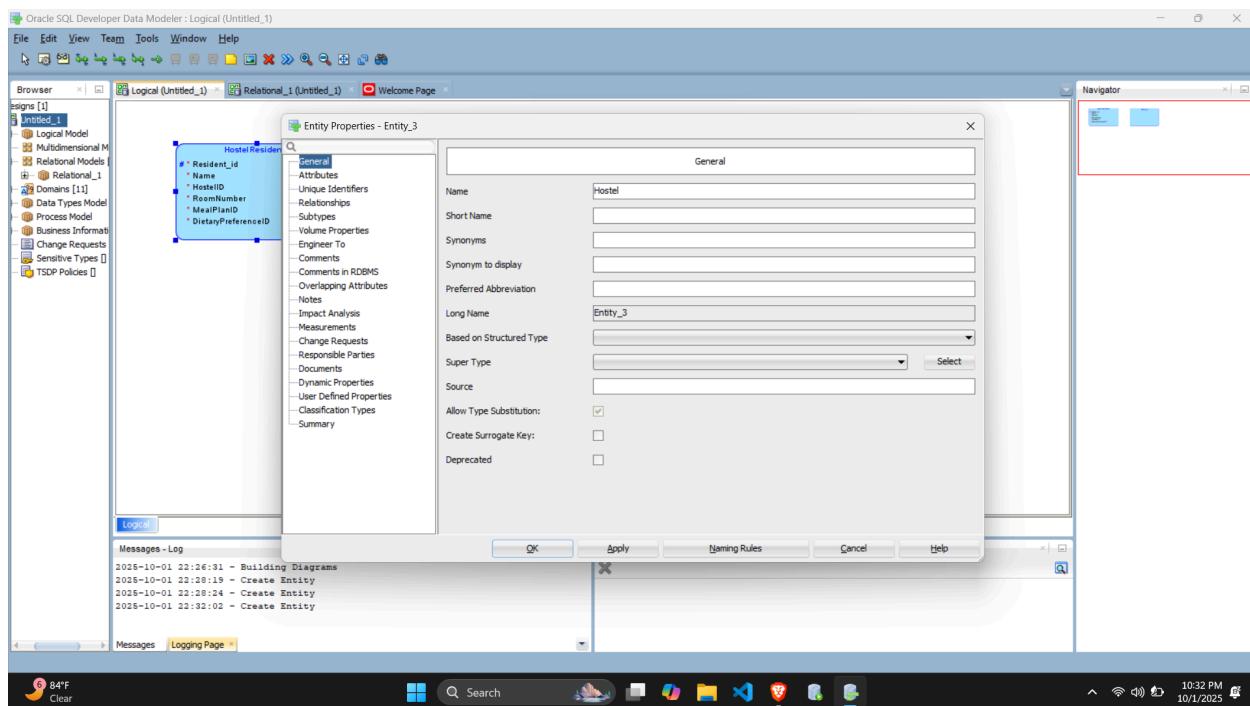


Domains already present

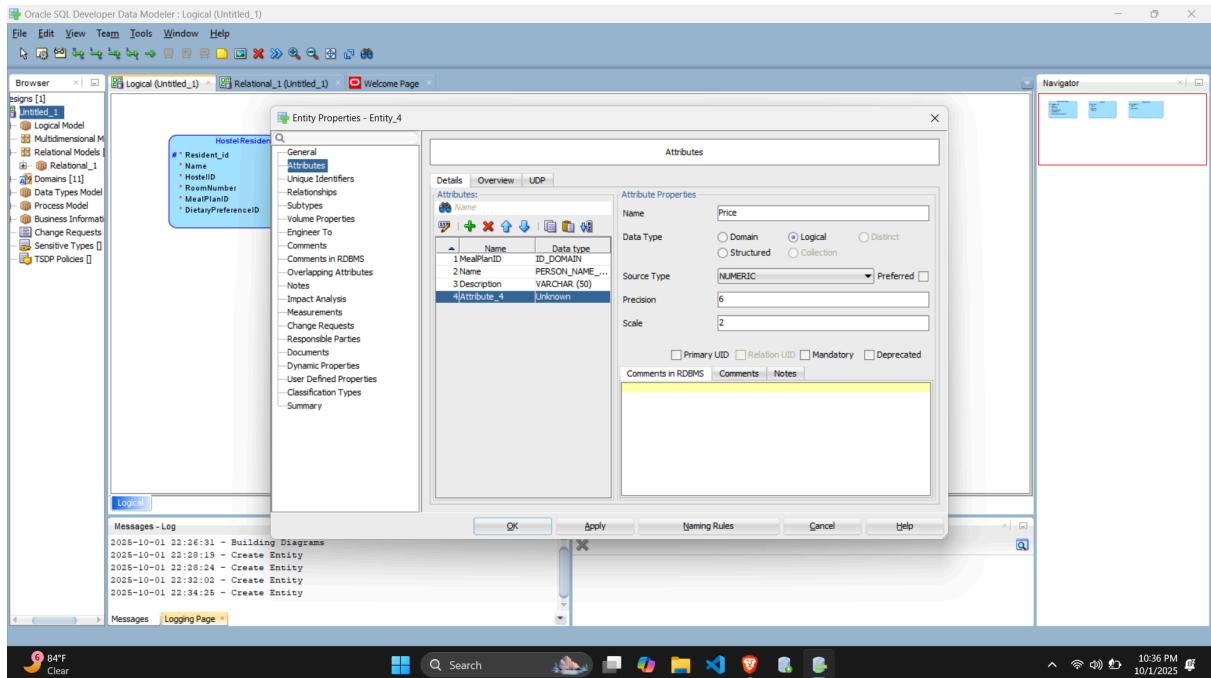
HOSTEL RESIDENT



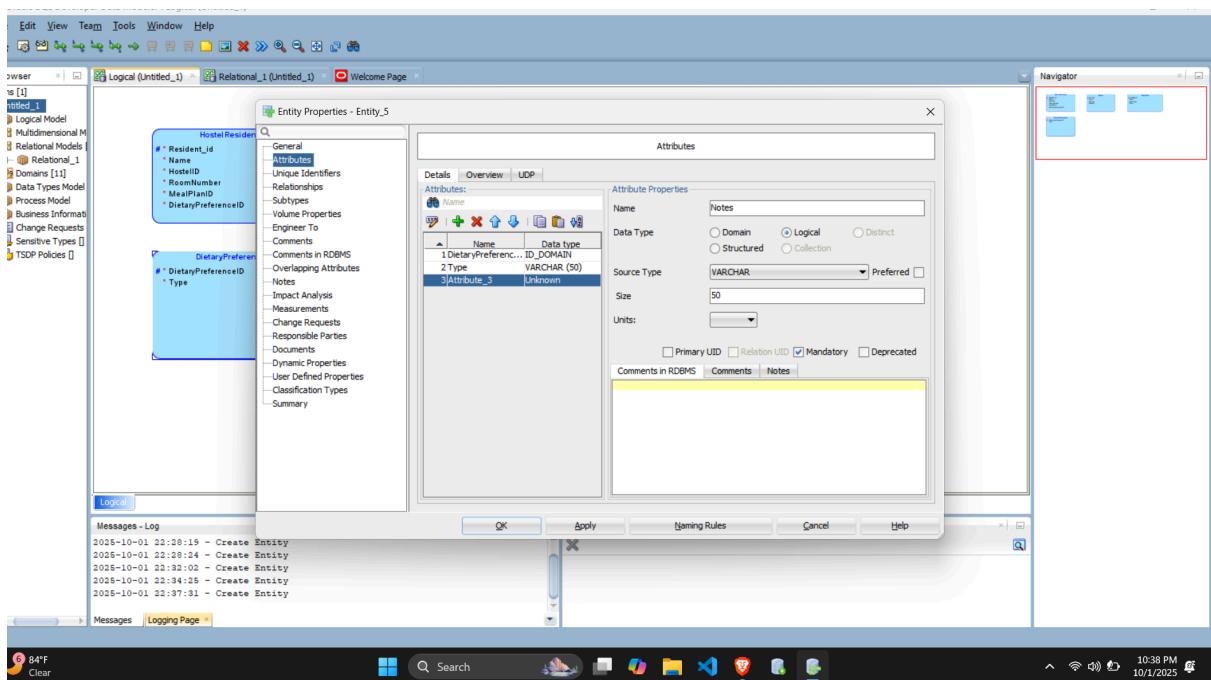
HOSTEL



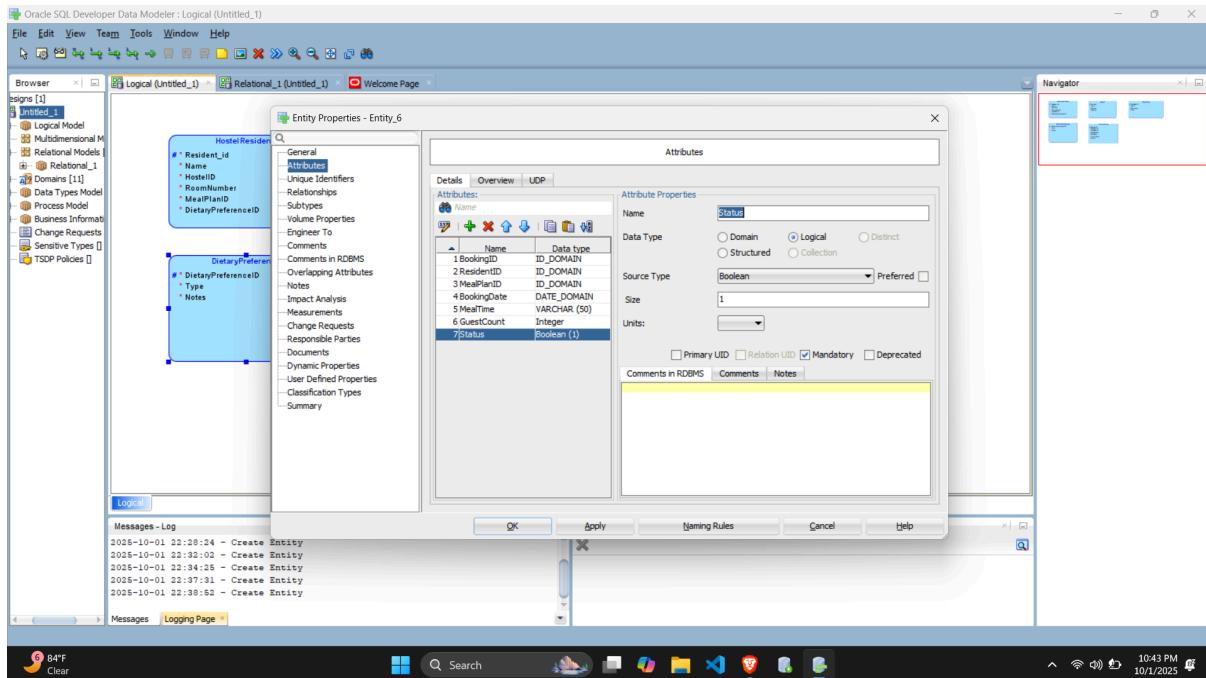
MealPlan



4. DietaryPreference

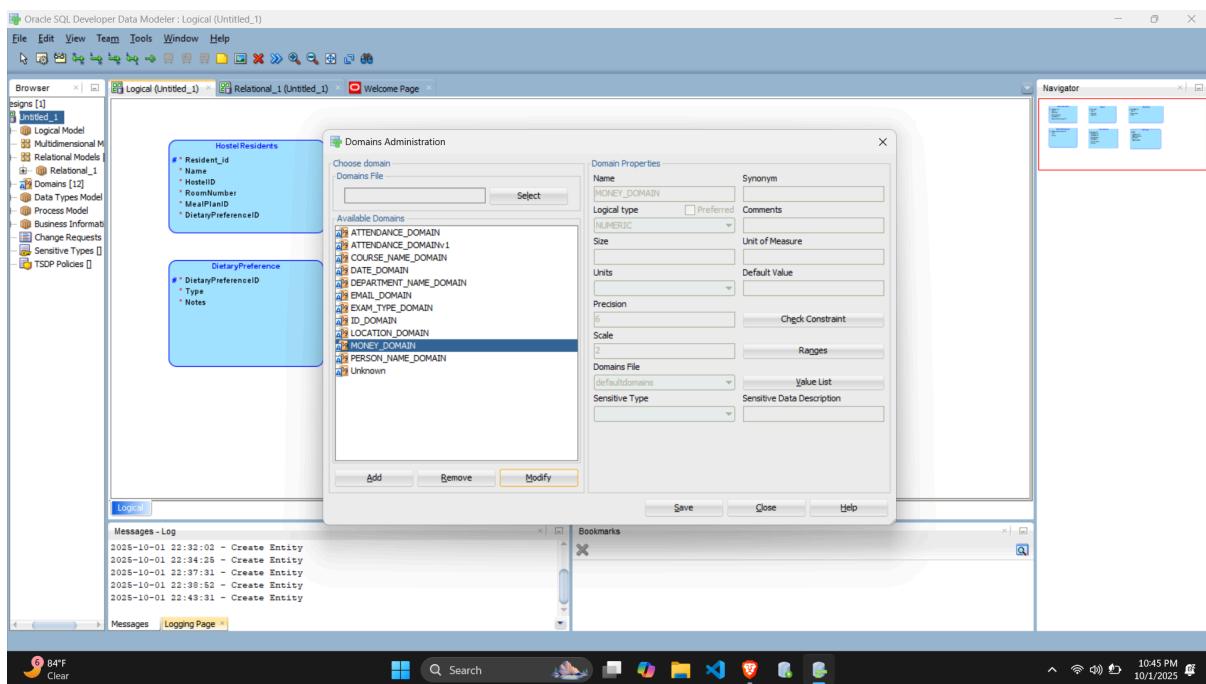


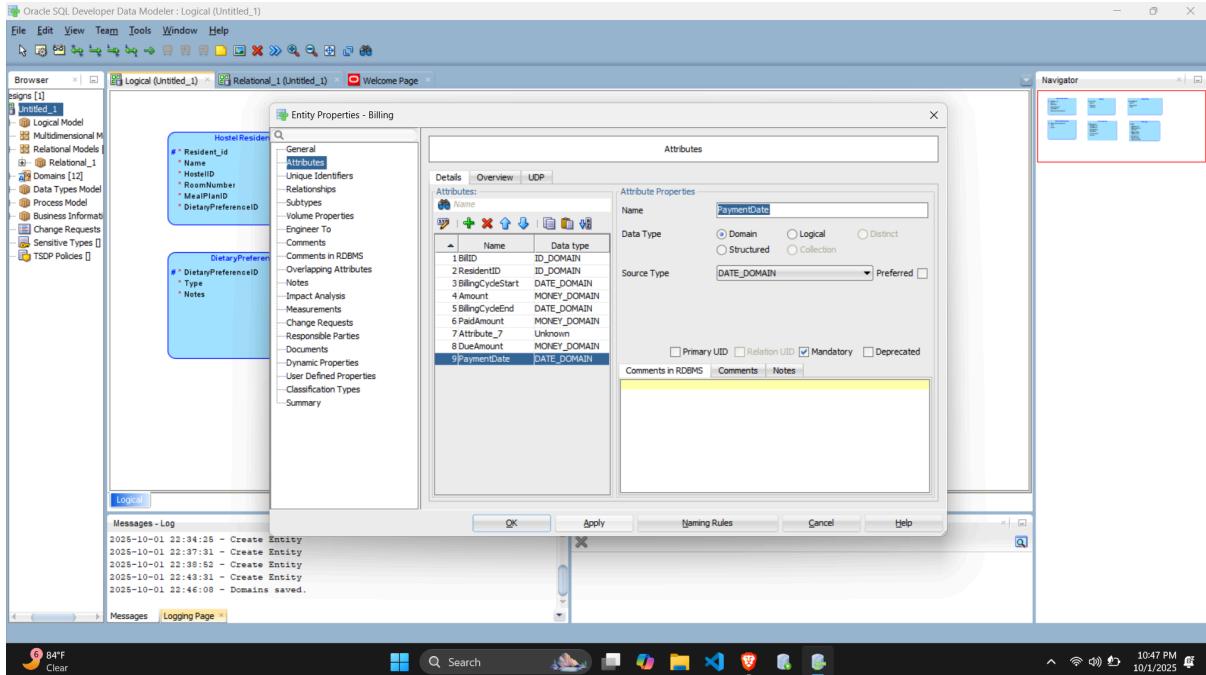
5. MealBooking



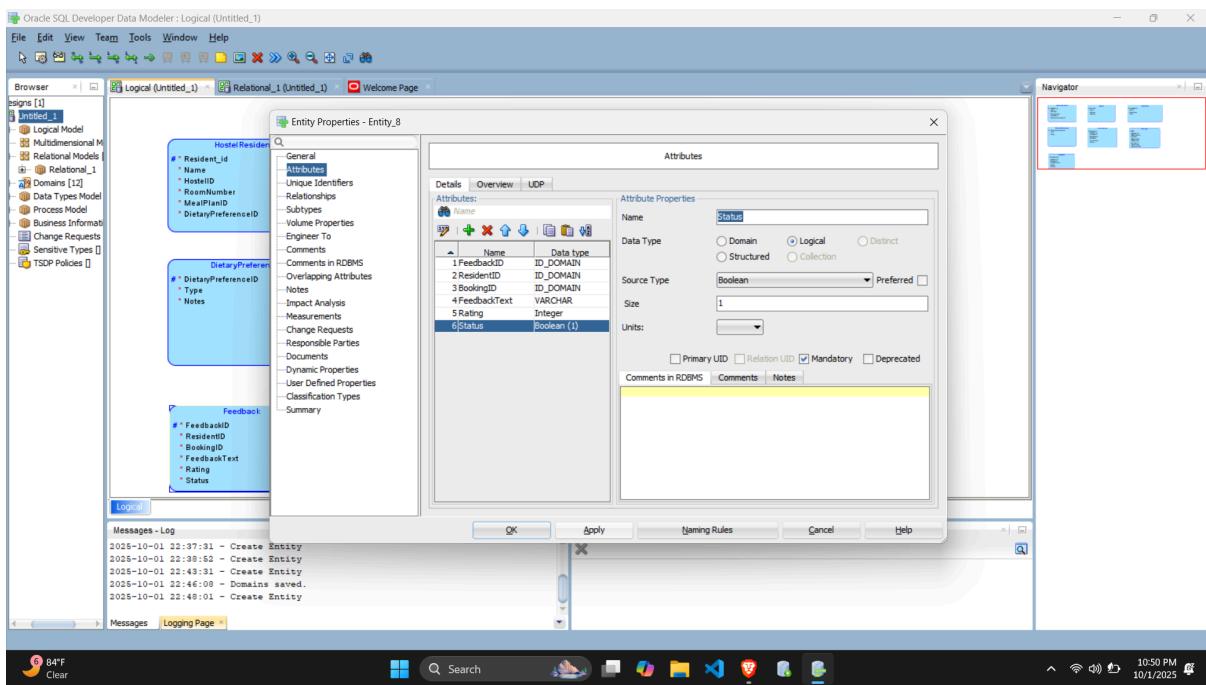
6. Billing

Added Money_domain for all prices, payment etc

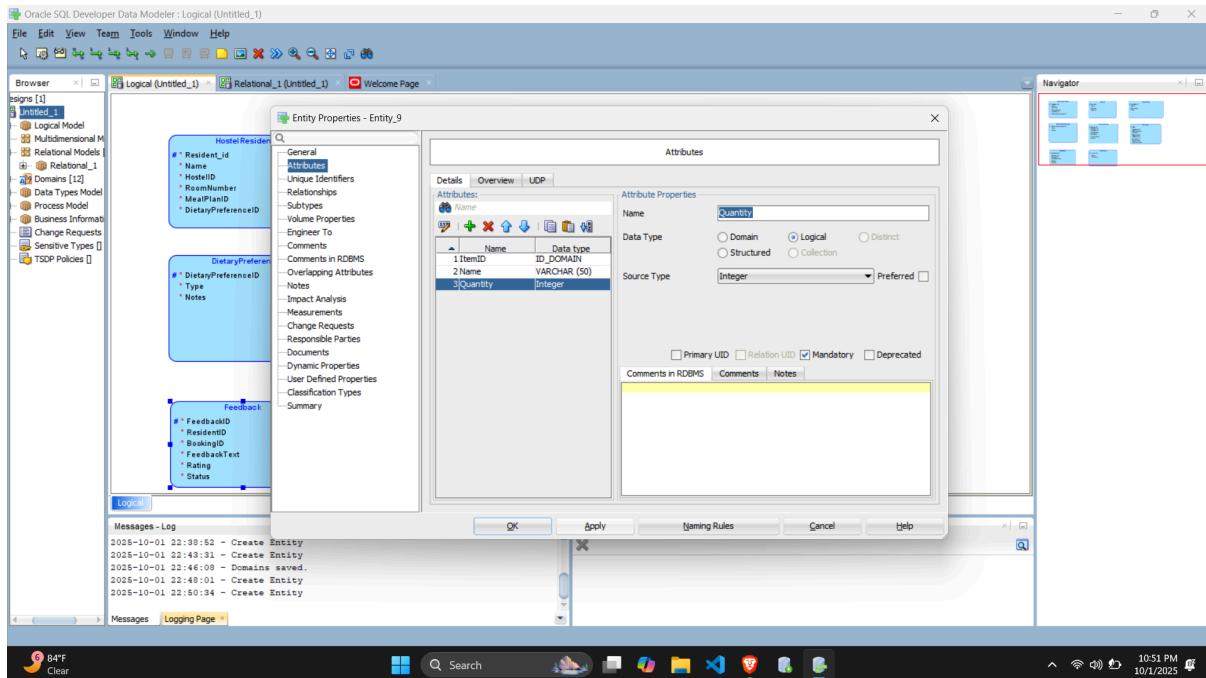




7. Feedback

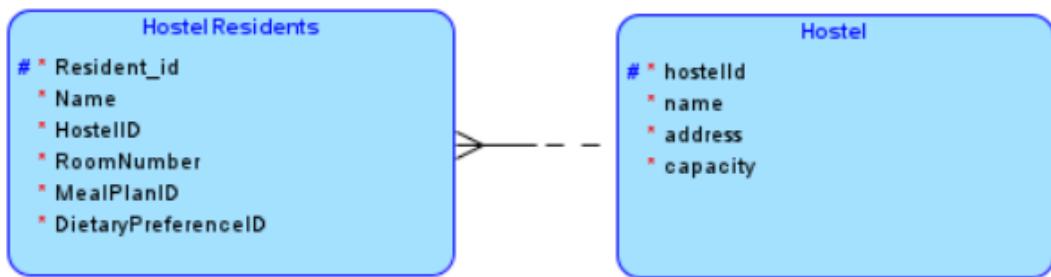


8. Inventory

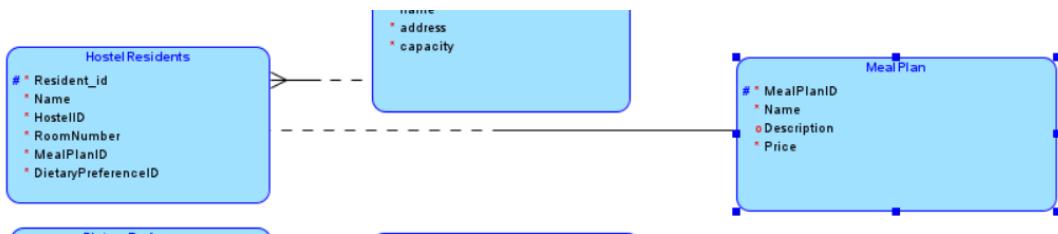


Relationships

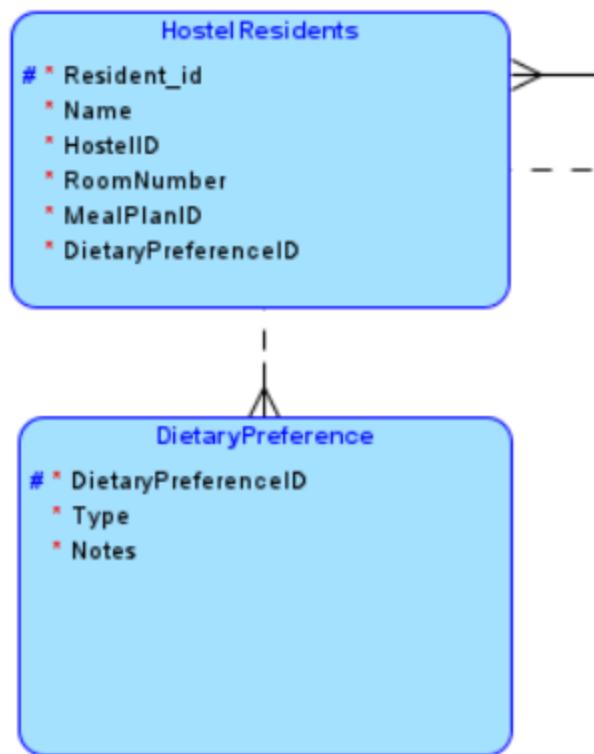
HostelResident + Hostel : Many residents live in one hostel: 1:N



HostelResident + MealPlan : Each resident has one meal plan: 1:1

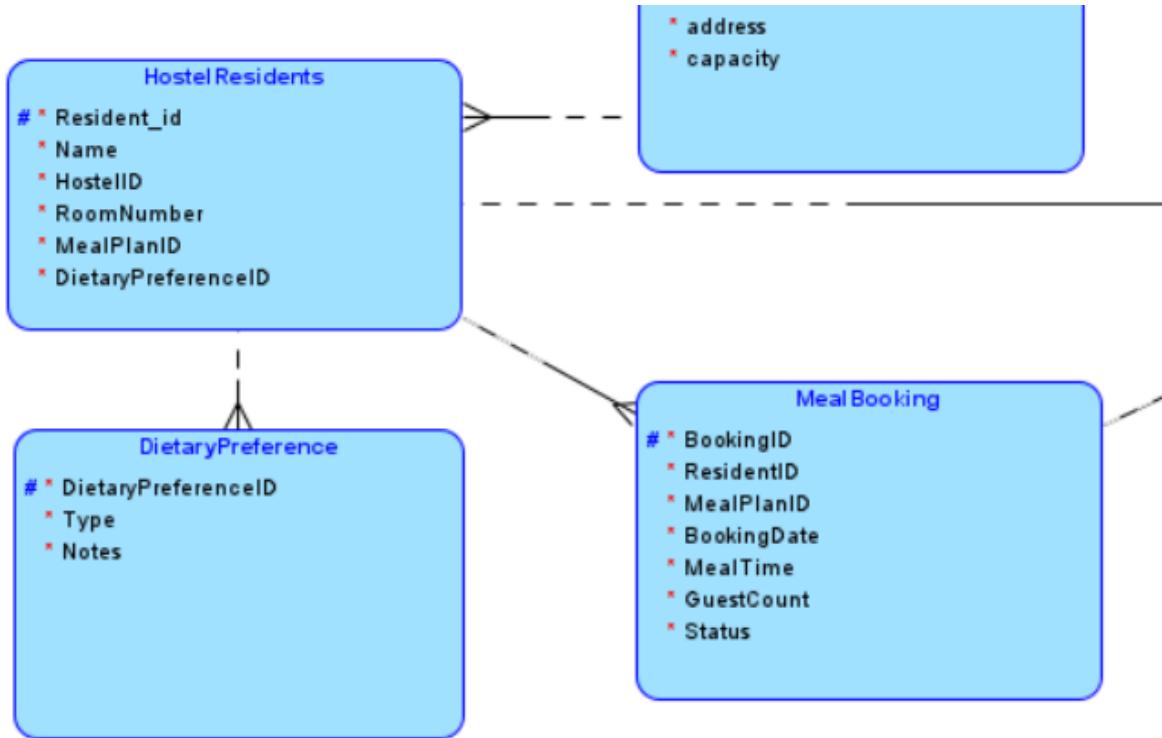


HostelResident + DietaryPreference : 1:N



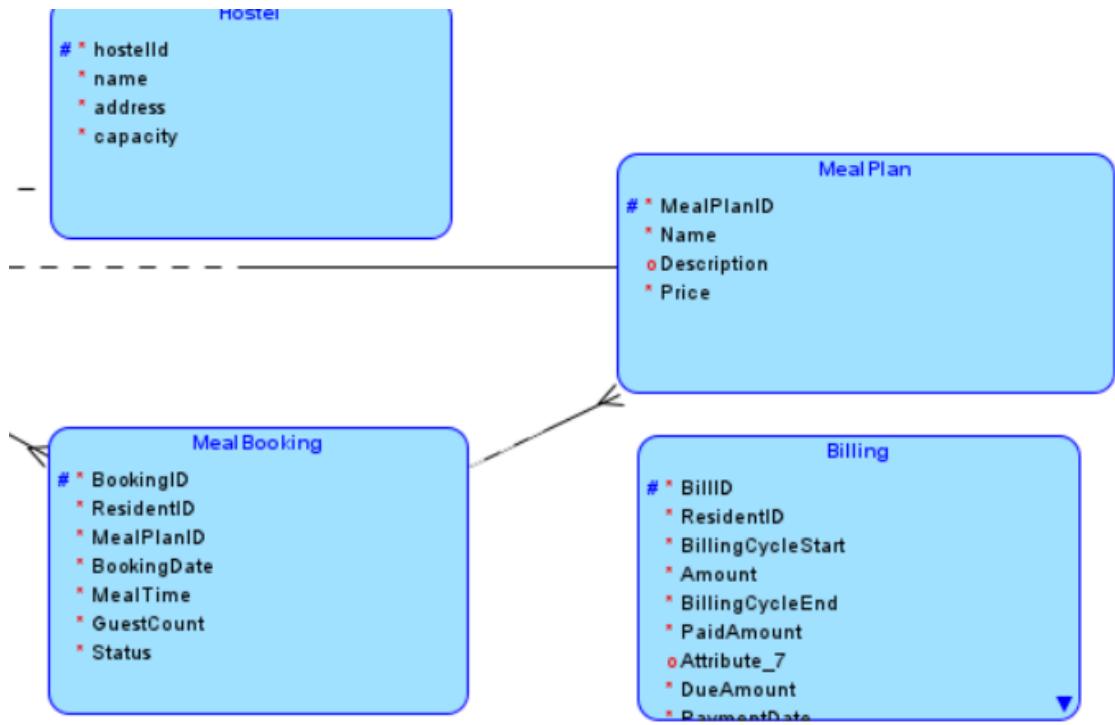
MealBooking + HostelResident : Many bookings per resident : 1:N



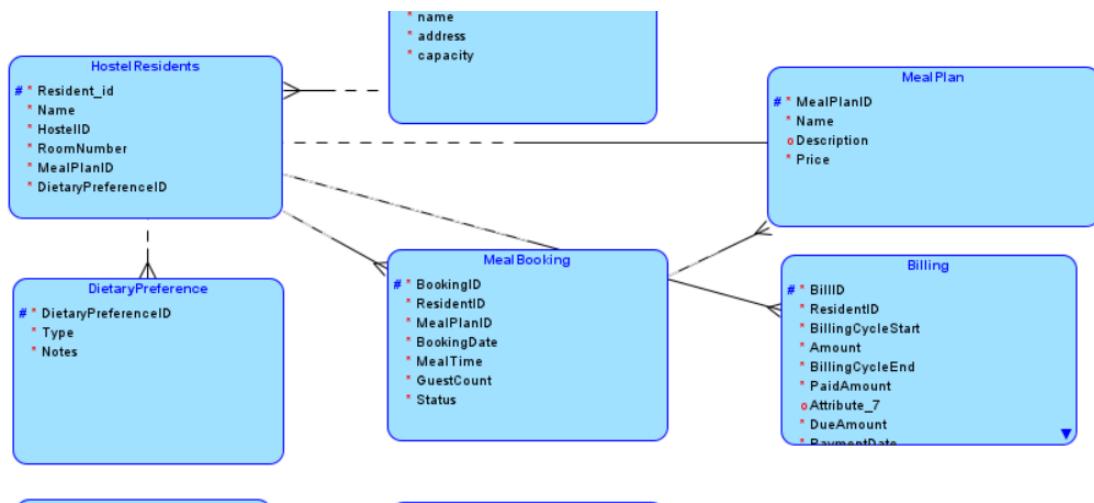


MealBooking + MealPlan : Booking uses many meal plan : 1:N

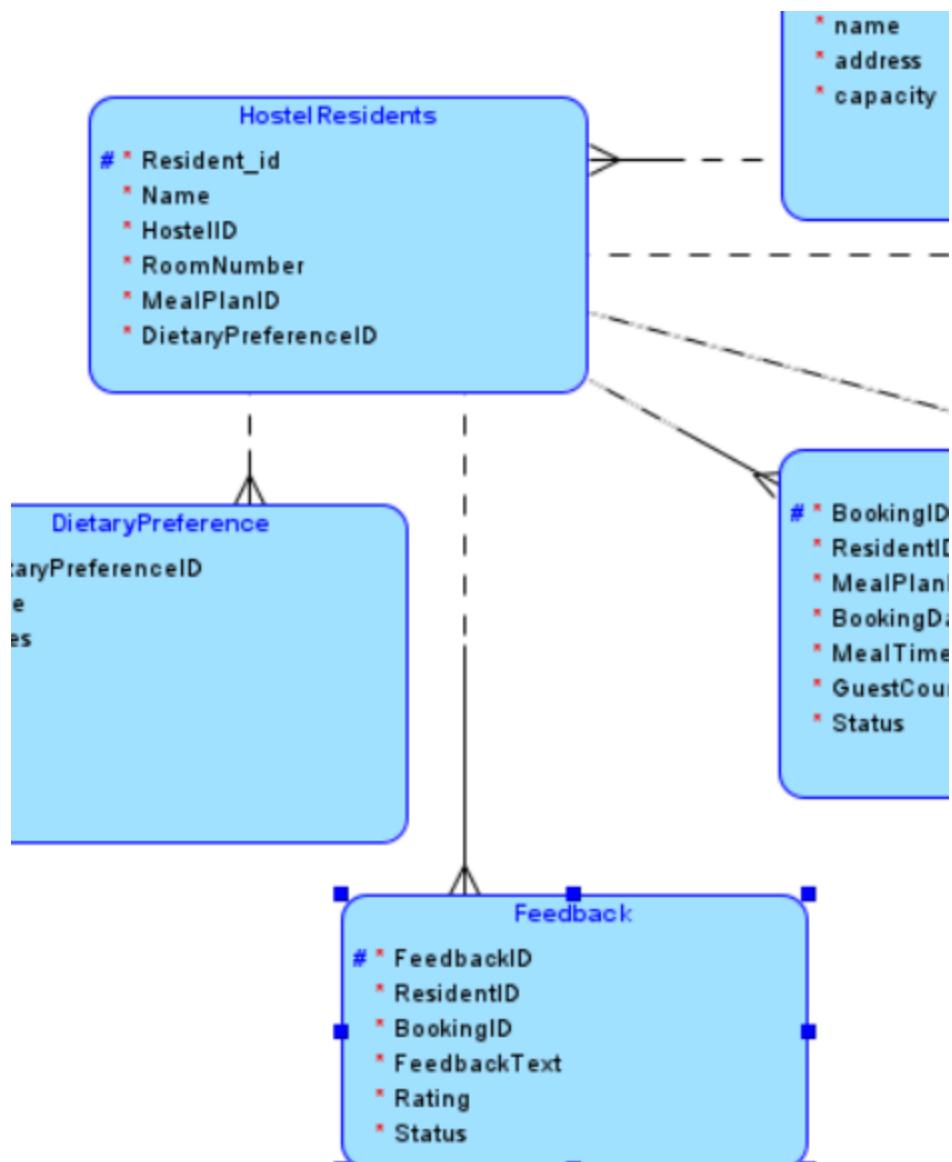
one meal plan made more sense and i tried that but was getting structured type object error, would look into that later



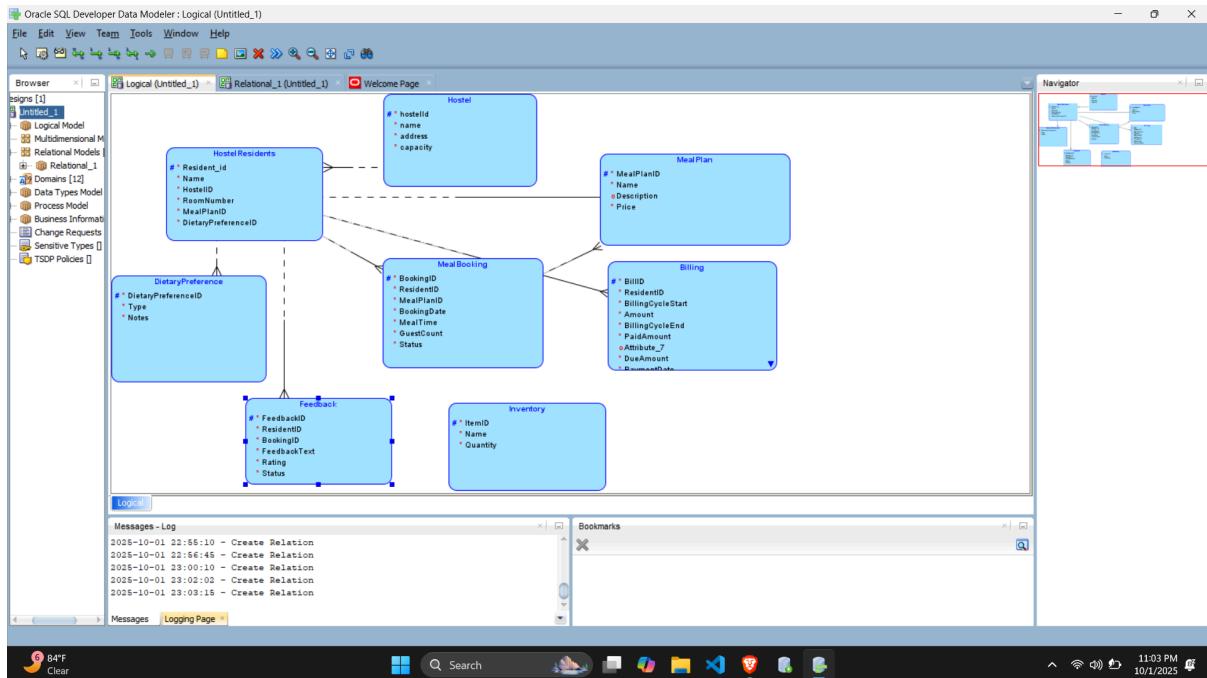
Billing + HostelResident : Many bills per resident : 1:N



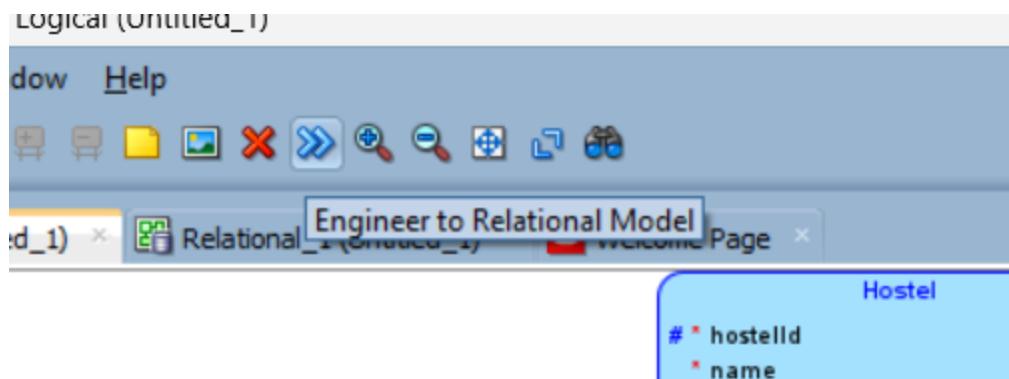
Feedback + HostelResident : Many feedback entries per resident : 1:N

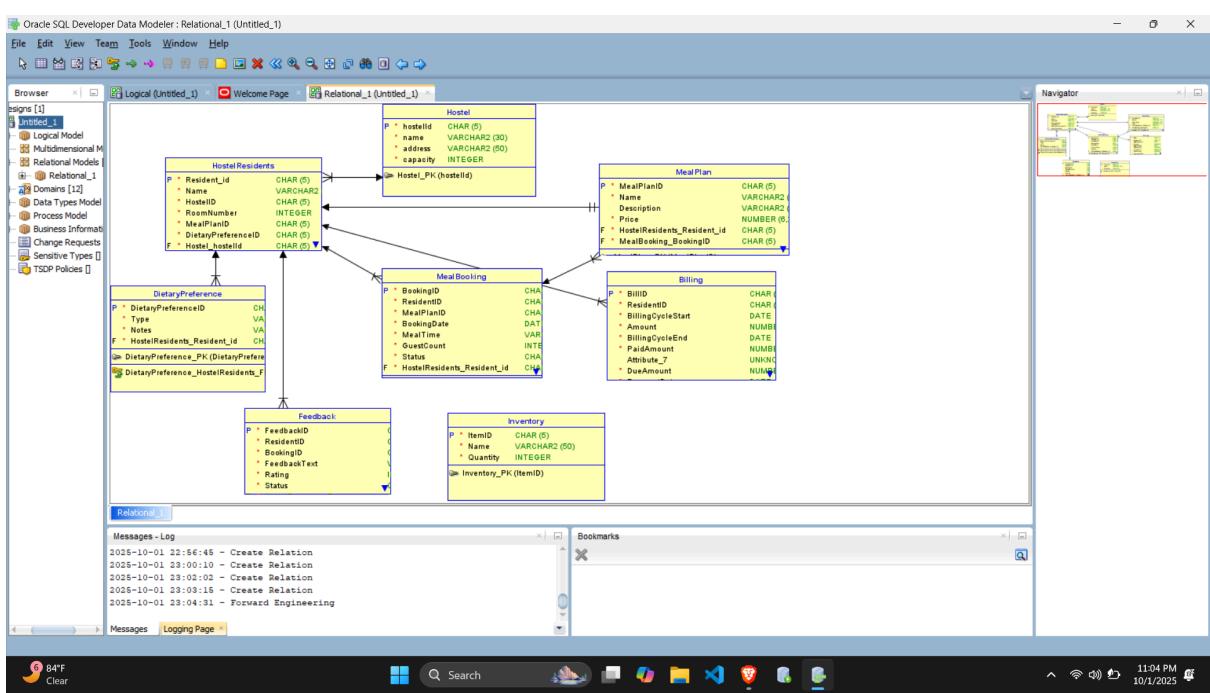
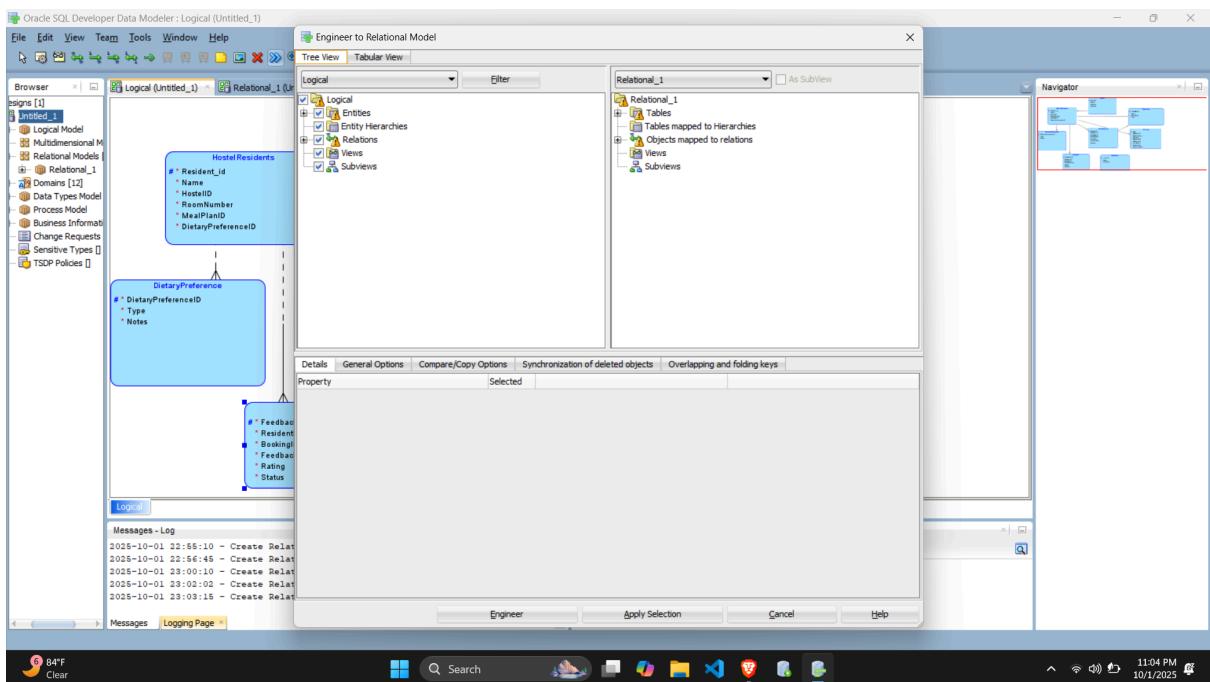


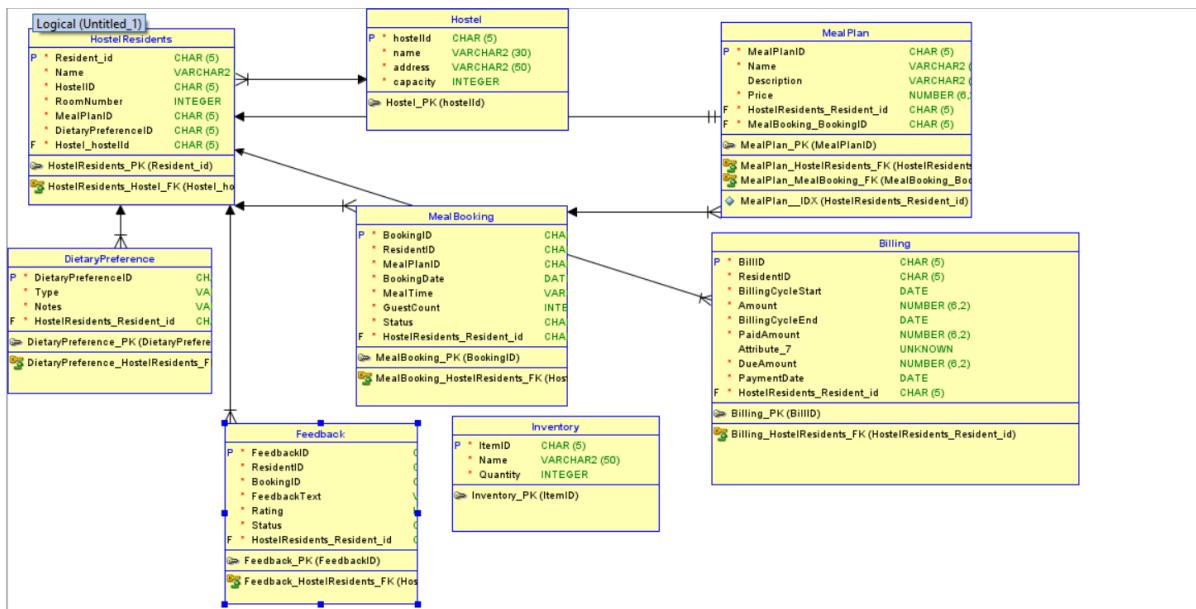
Final:



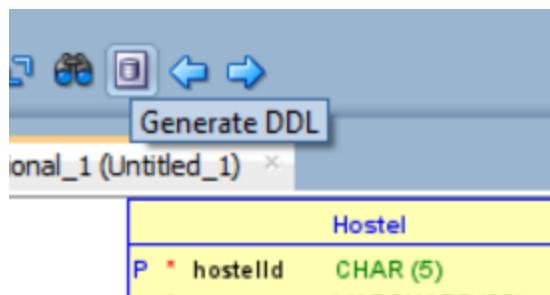
Relational model

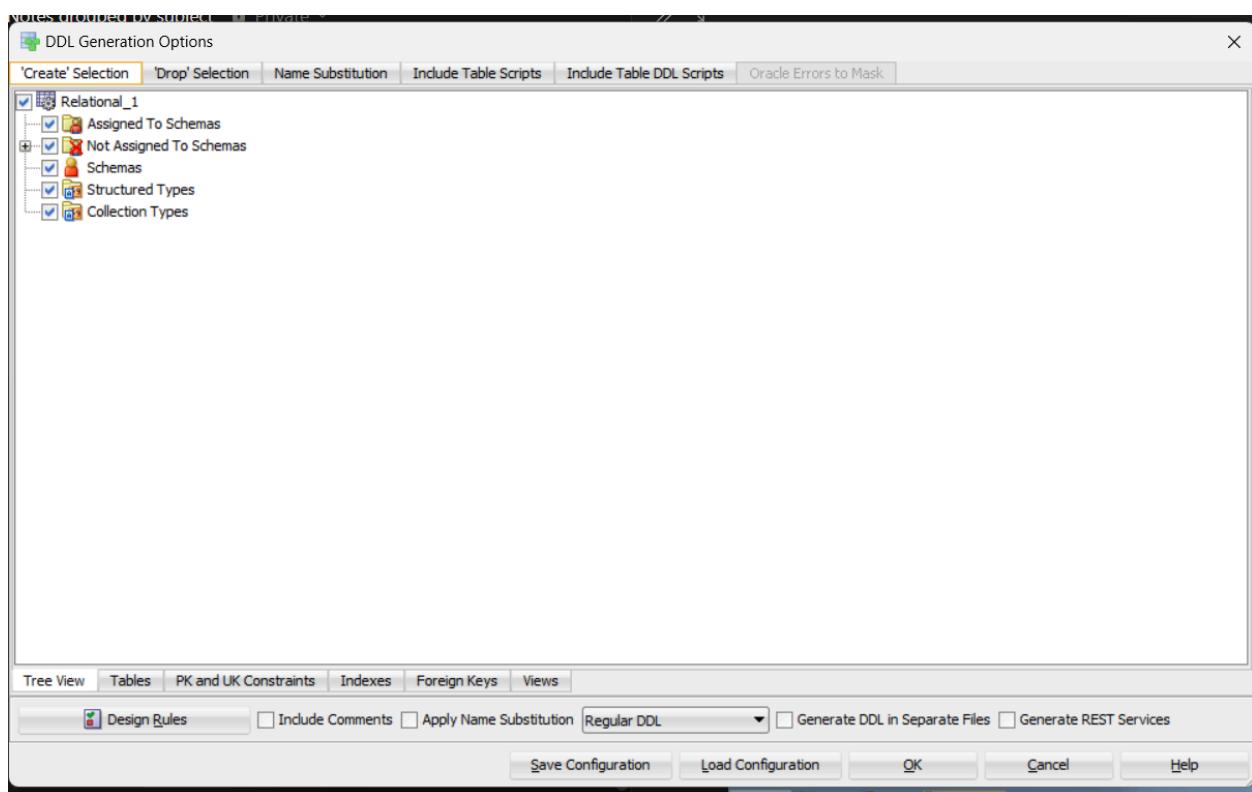
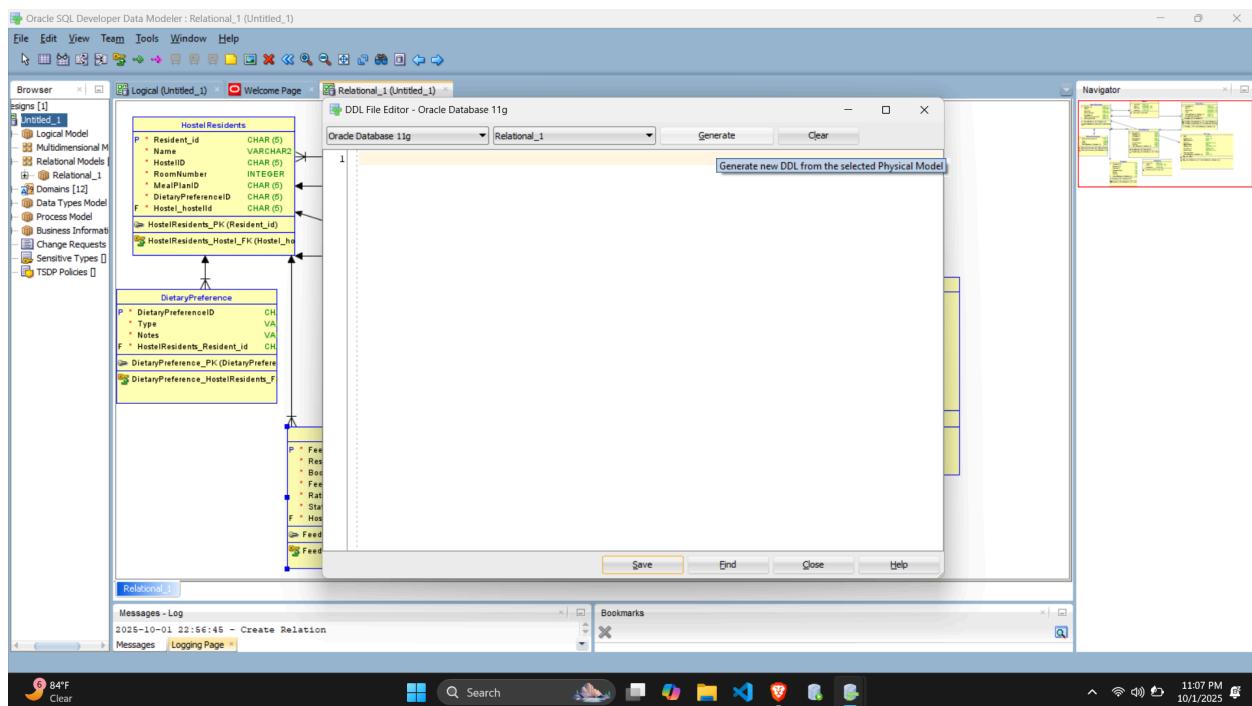


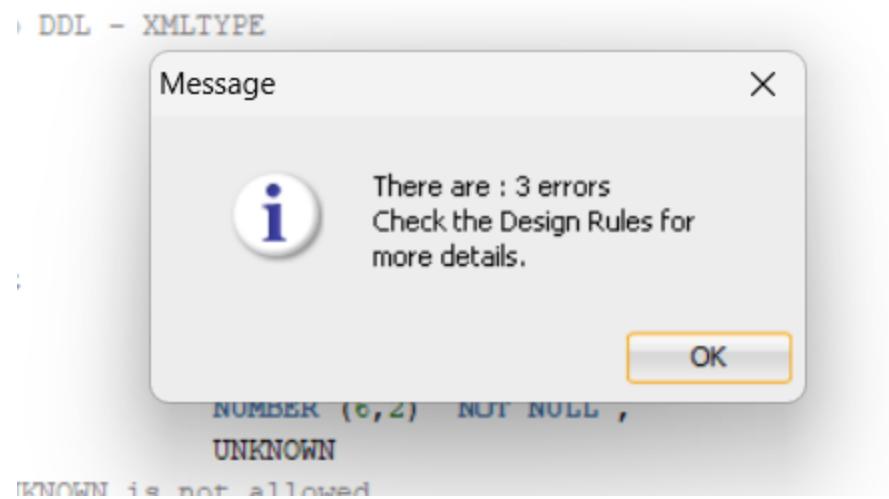
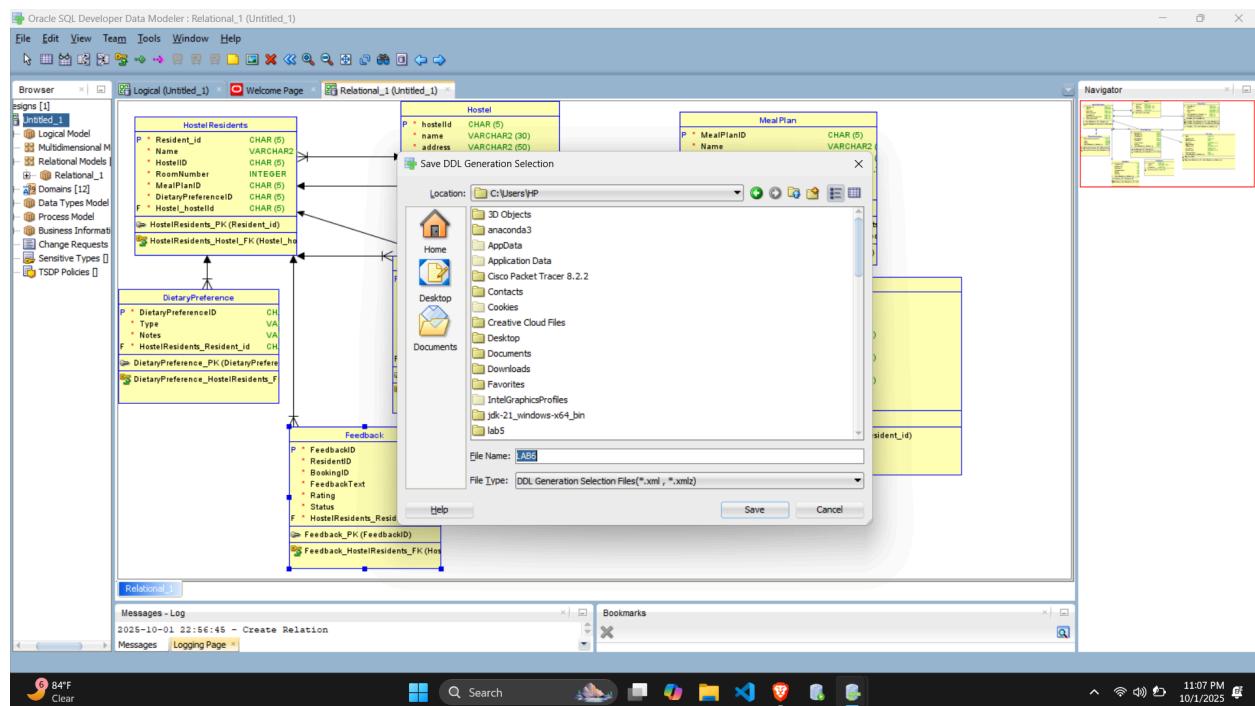




DDL







DDL File Editor - Oracle Database 11g

Oracle Database 11g Relational_1 Generate Clear

```
1 -- Generated by Oracle SQL Developer Data Modeler 24.3.1.351.0831
2 -- at: 2025-10-01 23:07:48 PNT
3 -- site: Oracle Database 11g
4 -- type: Oracle Database 11g
5
6
7
8 -- predefined type, no DDL - MDSYS.SDO_GEOGRAPHY
9
10 -- predefined type, no DDL - XMLTYPE
11
12 CREATE TABLE Billing
13 (
14     BillID           CHAR (5) NOT NULL ,
15     ResidentID      CHAR (5) NOT NULL ,
16     BillingCycleStart DATE NOT NULL ,
17     Amount           NUMBER (6,2) NOT NULL ,
18     BillingCycleEnd DATE NOT NULL ,
19     PaidAmount       NUMBER (6,2) NOT NULL ,
20     Attribute_7      UNKNOWN
21     -- ERROR! Datatype UNKNOWN is not allowed
22
23     DueAmount        NUMBER (6,2) NOT NULL ,
24     PaymentDate      DATE NOT NULL ,
25     HostelResidents_Resident_id CHAR (5) NOT NULL
26 )
27 ;
28
29
30 ALTER TABLE Billing
31 ADD CONSTRAINT Billing_PK PRIMARY KEY ( BillID ) ;
32
33 CREATE TABLE DietaryPreference
34 (
35     DietaryPreferenceID   CHAR (5) NOT NULL ,
36     Type                 VARCHAR2 (50) NOT NULL ,
37     Notes                VARCHAR2 (50) NOT NULL ,
38     HostelResidents_Resident_id CHAR (5) NOT NULL
39 )
40 ;
41 ALTER TABLE DietaryPreference
42 ADD CONSTRAINT DietaryPreference_PK PRIMARY KEY ( DietaryPreferenceID ) ;
43
```

Save Find Close Help

84°F Clear Search 11:08 PM 10/1/2025