

Project Name: property Finder

TA Name: Radwa Moustafa

Team ID: 18

الاسم	Seat number	level	Department
جوي أشرف دريهم يونان	20231700217	2	AI
أسماء وليد سيد معوض	20231700208	2	AI
تقى حسنى محمود	20231700213	2	AI
مهرائيل ساويرس معوض شحاته	20231700249	2	AI
سماء حسام محمد صابر	20231700226	2	AI
ريناد اسامه محمود الحسيني	20231700222	2	AI
ريهام ماهر رشدي	20231700223	2	AI

SQL Script:

1st DDL commands (Create Table Statements):

```
--Table: Users
CREATE TABLE Users)
    user_id NUMBER PRIMARY KEY,
    UserName VARCHAR2,(100)
    Email VARCHAR2(100)
);

--Table: Property
CREATE TABLE Property)
    propertyID NUMBER PRIMARY KEY,
    propertyType VARCHAR2,(50)
    ListingStatus VARCHAR2,(50)
    room_num NUMBER,
    propertySize NUMBER,
    price NUMBER,
    ReUser_id NUMBER,
    AgentID NUMBER,
    Location_ID NUMBER,
    FOREIGN KEY (ReUser_id) REFERENCES Users(user_id),
    FOREIGN KEY (AgentID) REFERENCES Agent(AgentID)
);

--Table: user_phone
CREATE TABLE user_phone)
    User_id NUMBER(10) PRIMARY KEY,
    U_phone NUMBER(11)
);

--Table: userType
CREATE TABLE userType)
    user_id NUMBER(10) PRIMARY KEY,
    U_type VARCHAR2(20)
);

--Table: Photos
CREATE TABLE Photos)
    photoID NUMBER,
    Description VARCHAR,(200)
    Photo_URL VARCHAR2,(200)
    propertyID NUMBER,
    FOREIGN KEY (propertyID) REFERENCES Property(propertyID),
    PRIMARY KEY (propertyID, photoID)
);

--Table: review
CREATE TABLE review)
    review_id NUMBER,
    review_date DATE,
    rating NUMBER,
    commentS VARCHAR2,(200)
    PROPERTYID NUMBER,
    USER_ID NUMBER,
    FOREIGN KEY(PROPERTYID) REFERENCES Property(PROPERTYID),
    FOREIGN KEY(USER_ID) REFERENCES Users(user_id) ,
    PRIMARY KEY(REVIEW_ID, PROPERTYID)
);
```

```
--Table: favorites
CREATE TABLE favorites)
    propertyid NUMBER,
    USER_ID NUMBER,
    FOREIGN KEY(USER_ID) REFERENCES USERS(USER_ID),
    FOREIGN KEY(PROPERTYID) REFERENCES PROPERTY(PROPERTYID),
    PRIMARY KEY (propertyid, USER_ID)
);
```

2nd DML commands (Insert Statements):

```
-- Insert into Users table
INSERT INTO users(user_id, username, email)
VALUES (3, 'Ali', 'Ali@asu.com');

-- Insert into Agent table
INSERT INTO Agent(AgentID, AgencyName, Email, PhoneNumber)
VALUES (101, 'Mohamed', 'mohamed@asu.com', '102232747');

INSERT INTO Agent(AgentID, AgencyName, Email, PhoneNumber)
VALUES (102, 'Ali', 'ali@asu.com', '15573847');

INSERT INTO Agent(AgentID, AgencyName, Email, PhoneNumber)
VALUES (103, 'Mona', 'mona@asu.com', '127745247');

-- Insert into userType table
INSERT INTO Usertype(user_id, U_type)
VALUES (1, 'Renter');

INSERT INTO Usertype(user_id, U_type)
VALUES (2, 'Owner');

INSERT INTO Usertype(user_id, U_type)
VALUES (3, 'Owner');

-- Insert into Location table
INSERT INTO Location(location_id, country, city, street_name, building_no)
VALUES (10001, 'Egypt', 'Alexandria', 'Elmataria', 7);

INSERT INTO Location(location_id, country, city, street_name, building_no)
VALUES (10002, 'German', 'Stavalia', 'stavia', 8);

INSERT INTO Location(location_id, country, city, street_name, building_no)
VALUES (10003, 'Egypt', 'Cairo', 'Ahmed masaod street', 9);

-- Insert into user_phone table
INSERT INTO user_phone(user_id, u_phone)
VALUES (1, 01207578492);

INSERT INTO user_phone(user_id, u_phone)
VALUES (2, 01007678402);

INSERT INTO user_phone(user_id, u_phone)
VALUES (3, 01104578497);

-- Insert into Property table
INSERT INTO Property(propertyID, propertyType, ListingStatus, room_num,
Propertysize, price, ReUser_id, AgentID, Location_ID)
```

```
VALUES (10, 'Apartment', 'Sold', 3, 120, 450000, 1, 102, 10002);

INSERT INTO Property(propertyID, propertyType, ListingStatus, room_num,
PropertySize, price, ReUser_id, AgentID, Location_ID)
VALUES (20, 'Villa', 'Active', 6, 140, 5450000, NULL, 103, 10003);

INSERT INTO Property(propertyID, propertyType, ListingStatus, room_num,
PropertySize, price, ReUser_id, AgentID, Location_ID)
VALUES (30, 'Apartment', 'Pending', 4, 150, 500000, NULL, 101, 10001);

-- Insert into Review table
INSERT INTO Review(review_id, review_date, rating, comments, propertyid,
user_id)
VALUES (201, '20-NOV-2024', 4, 'has a good view', 10, 1);

INSERT INTO Review(review_id, review_date, rating, comments, propertyid,
user_id)
VALUES (202, '4-DEC-2024', 4.5, 'near to many facilities', 20, 3);

INSERT INTO Review(review_id, review_date, rating, comments, propertyid,
user_id)
VALUES (203, '5-FEB-2024', 3, 'needs some improvements', 30, 2);

-- Insert into Favorites table
INSERT INTO Favorites(propertyid, user_id)
VALUES (10, 1);

INSERT INTO Favorites(propertyid, user_id)
VALUES (10, 2);

INSERT INTO Favorites(propertyid, user_id)
VALUES (20, 1);

-- Insert into Photos table
INSERT INTO Photos(propertyID, photoID, Description, Photo_URL)
VALUES (10, 5001, 'Living room view', 'http://example.com/photo1.jpg');

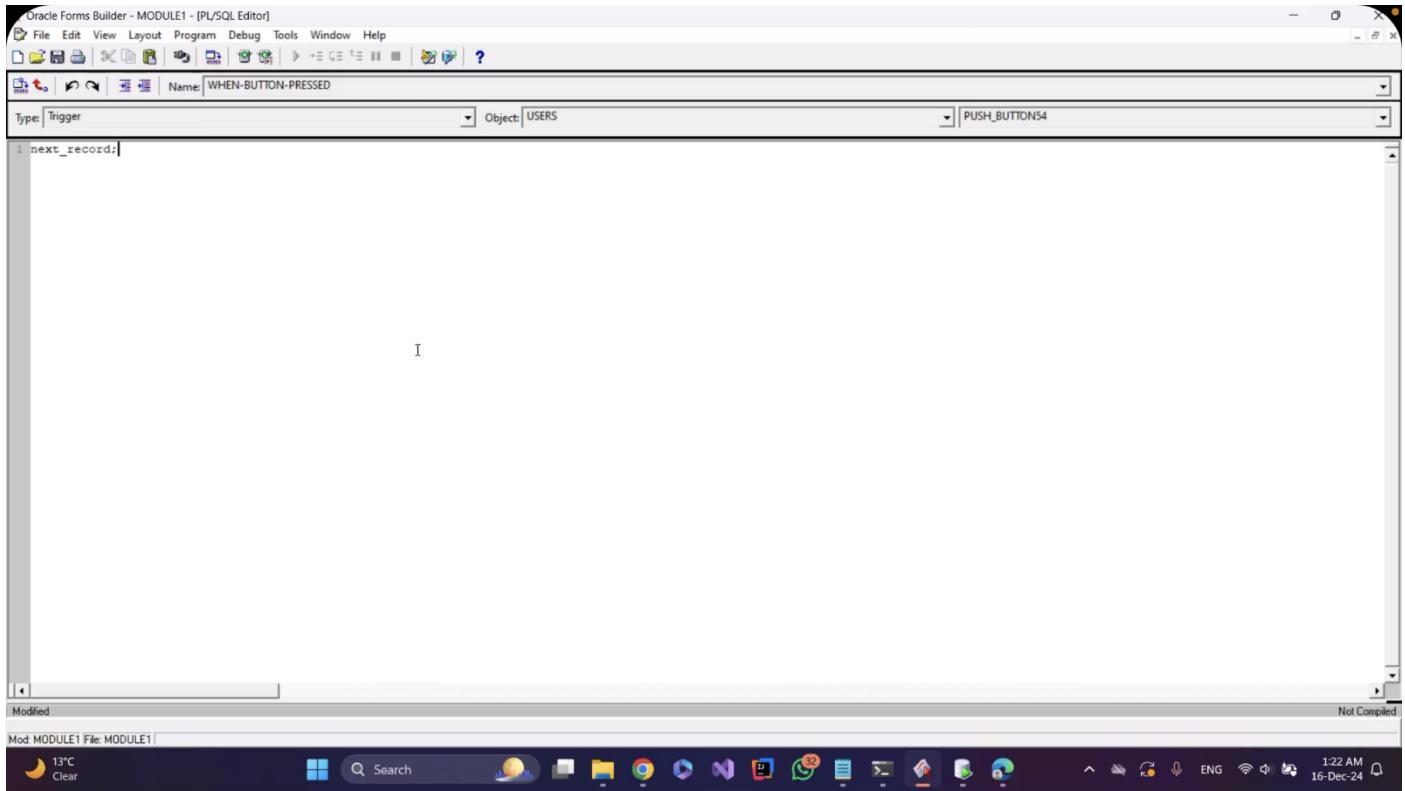
INSERT INTO Photos(propertyID, photoID, Description, Photo_URL)
VALUES (10, 5002, 'Bedroom view', 'http://example.com/photo1.jpg');

INSERT INTO Photos(propertyID, photoID, Description, Photo_URL)
VALUES (20, 5003, 'Balcony view', 'http://example.com/photo1.jpg');

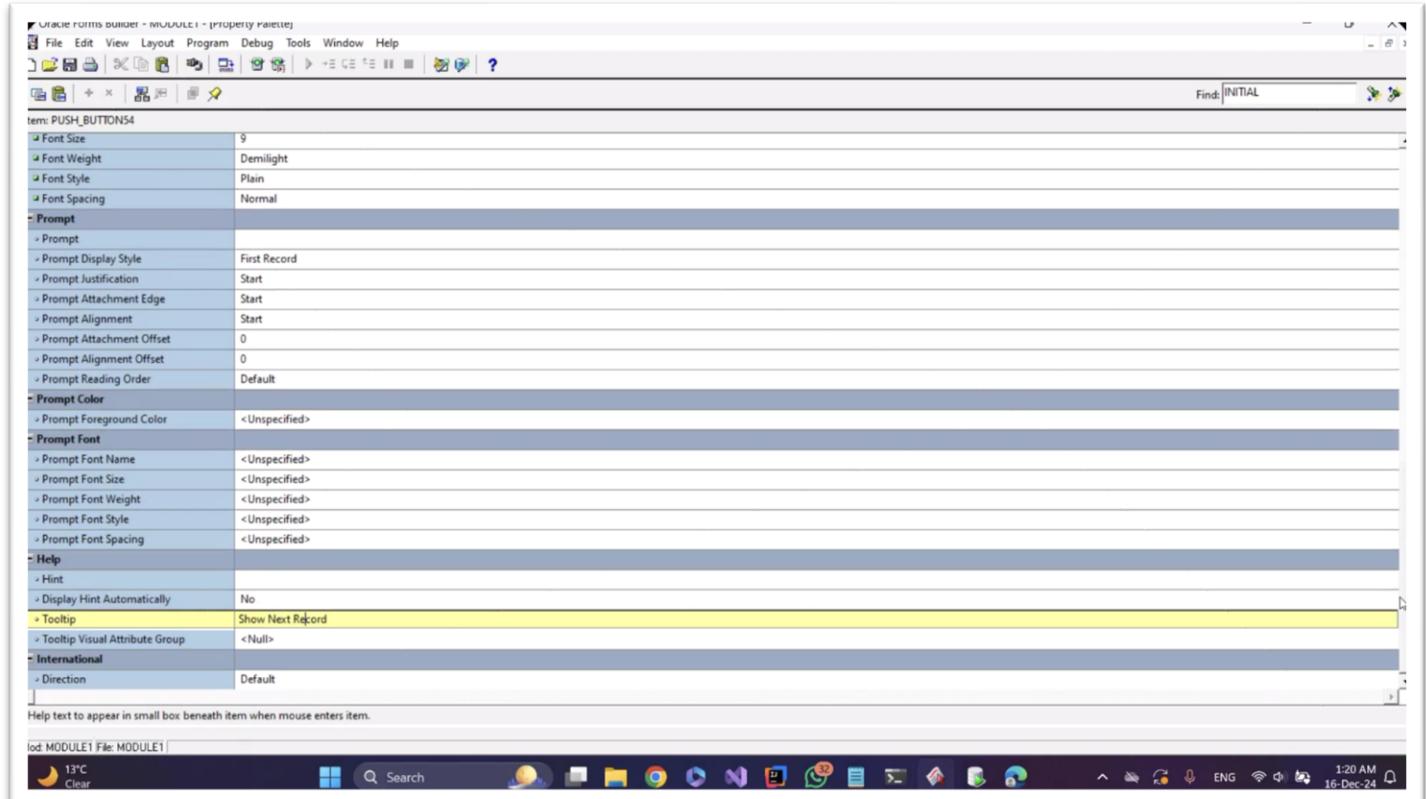
UPDATE usertype SET u_type = 'Buyer' WHERE u_type = 'Owner'; INSERT INTO
location VALUES(10004, 'USA', 'New York', 'Wall Street', 40); INSERT INTO
property VALUES(40, 'Villa', 'Active', 5, 150, 200000,null, 101, 10004);
```

Detailed Screenshots:

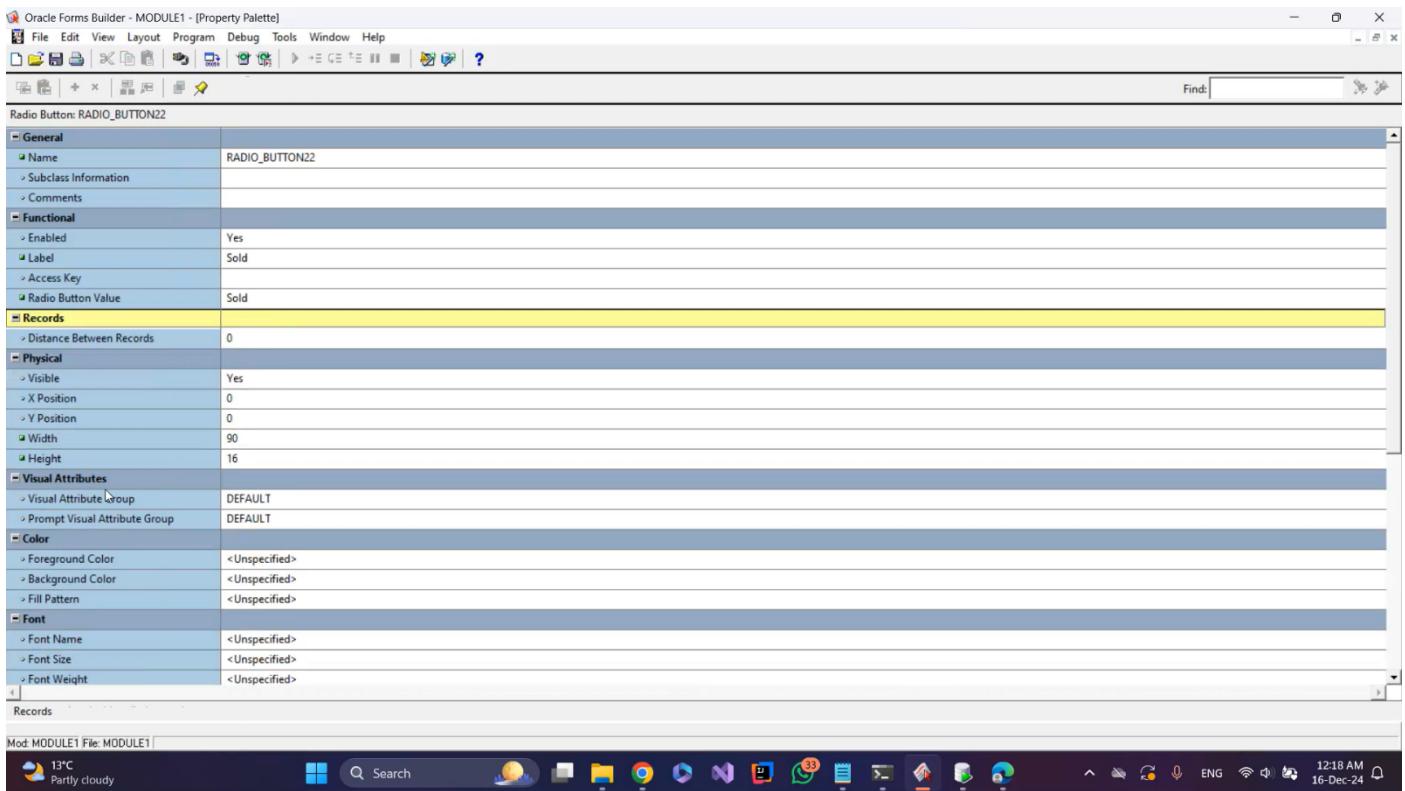
- set trigger from smart triggers 'When_button_pressed' to set the functionality of push button



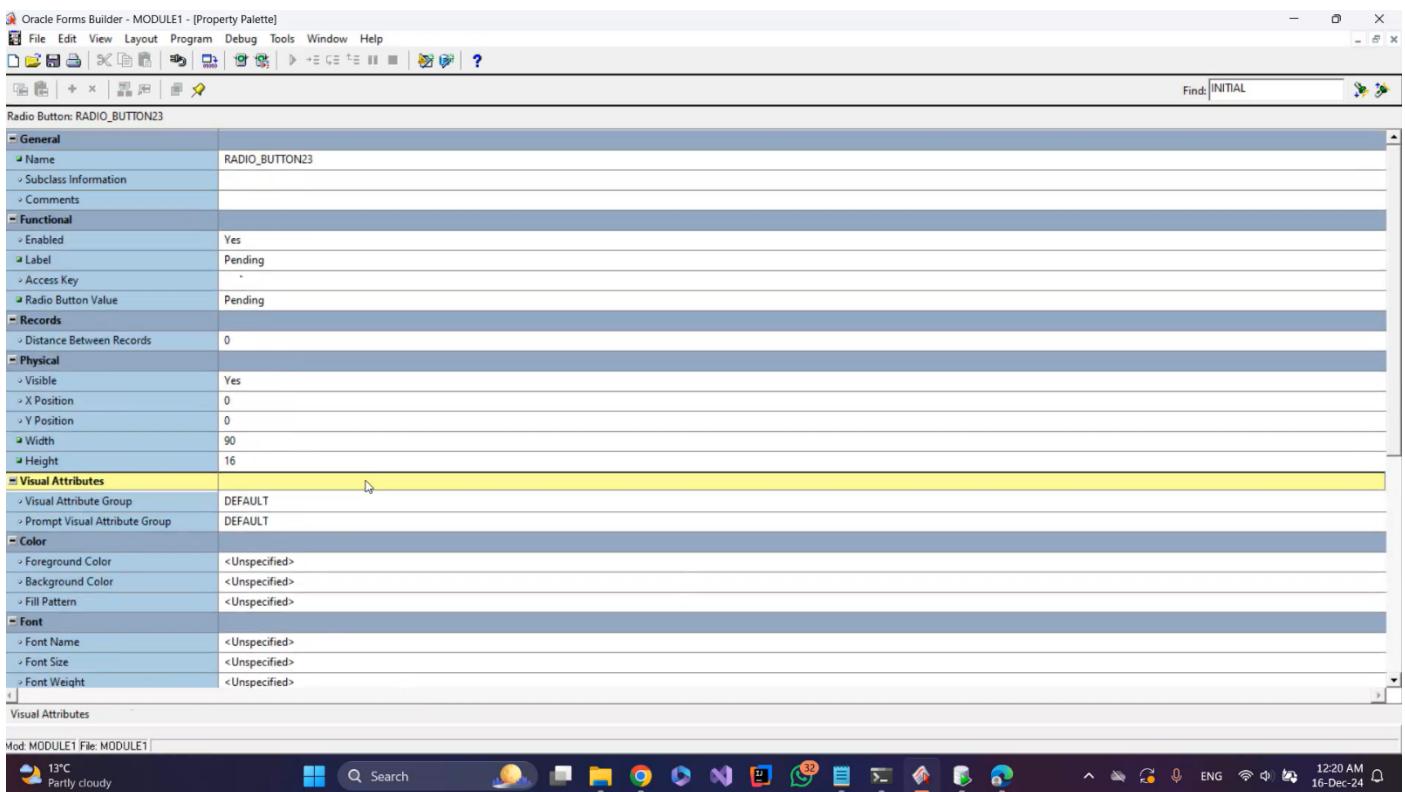
- Short help text that displays "show next record" when you navigate to the push button (next user) with the mouse.



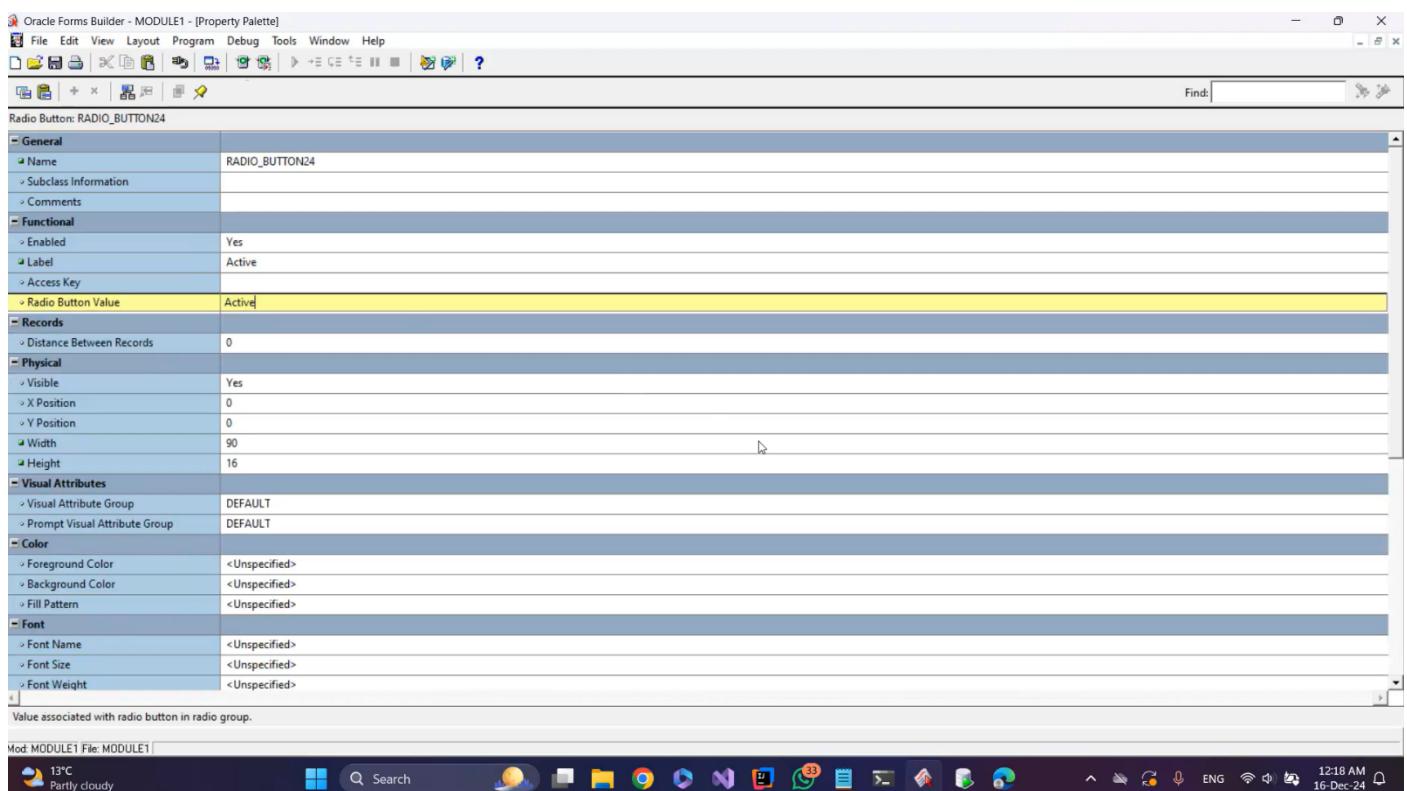
- Set the label of the radio button and the value.



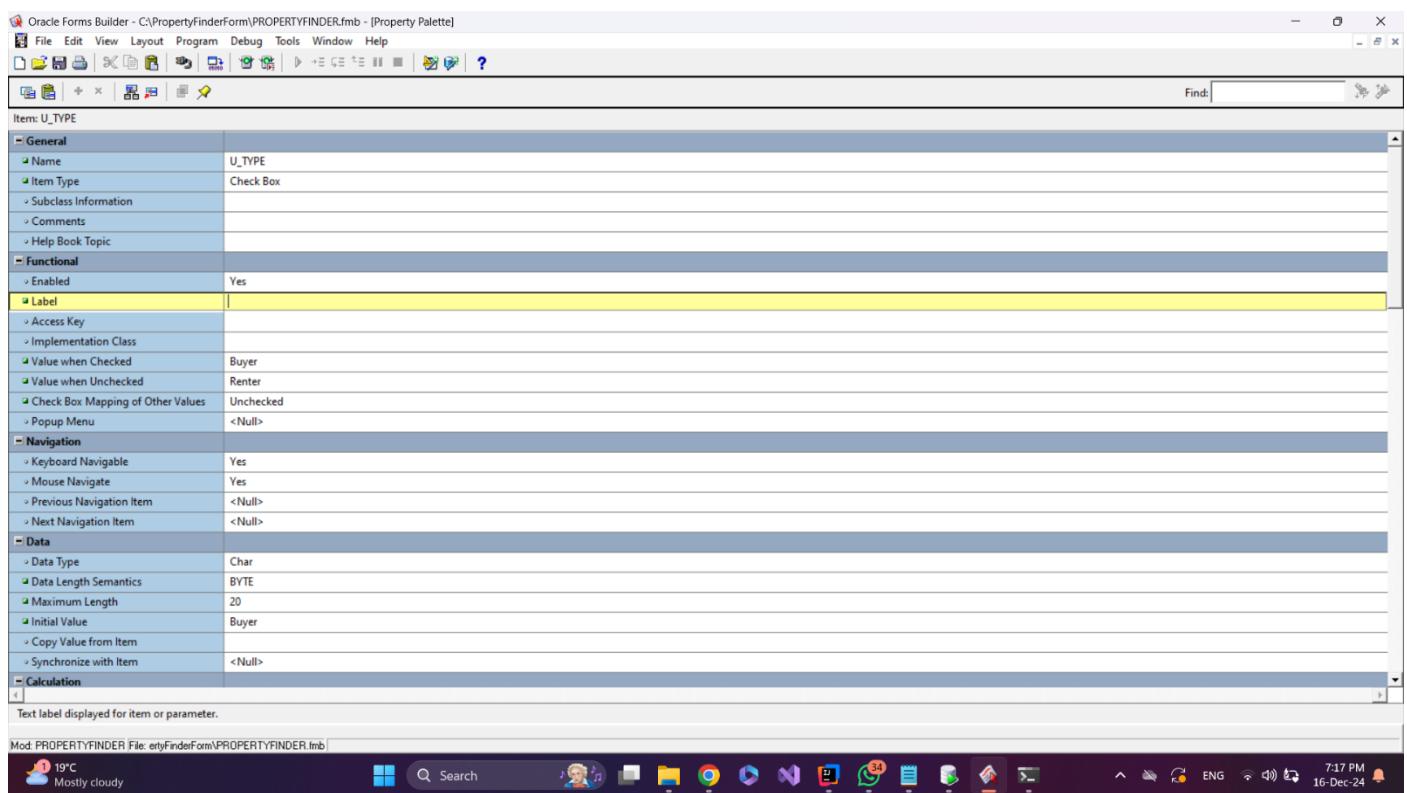
- Set the label and the value for the second radio button



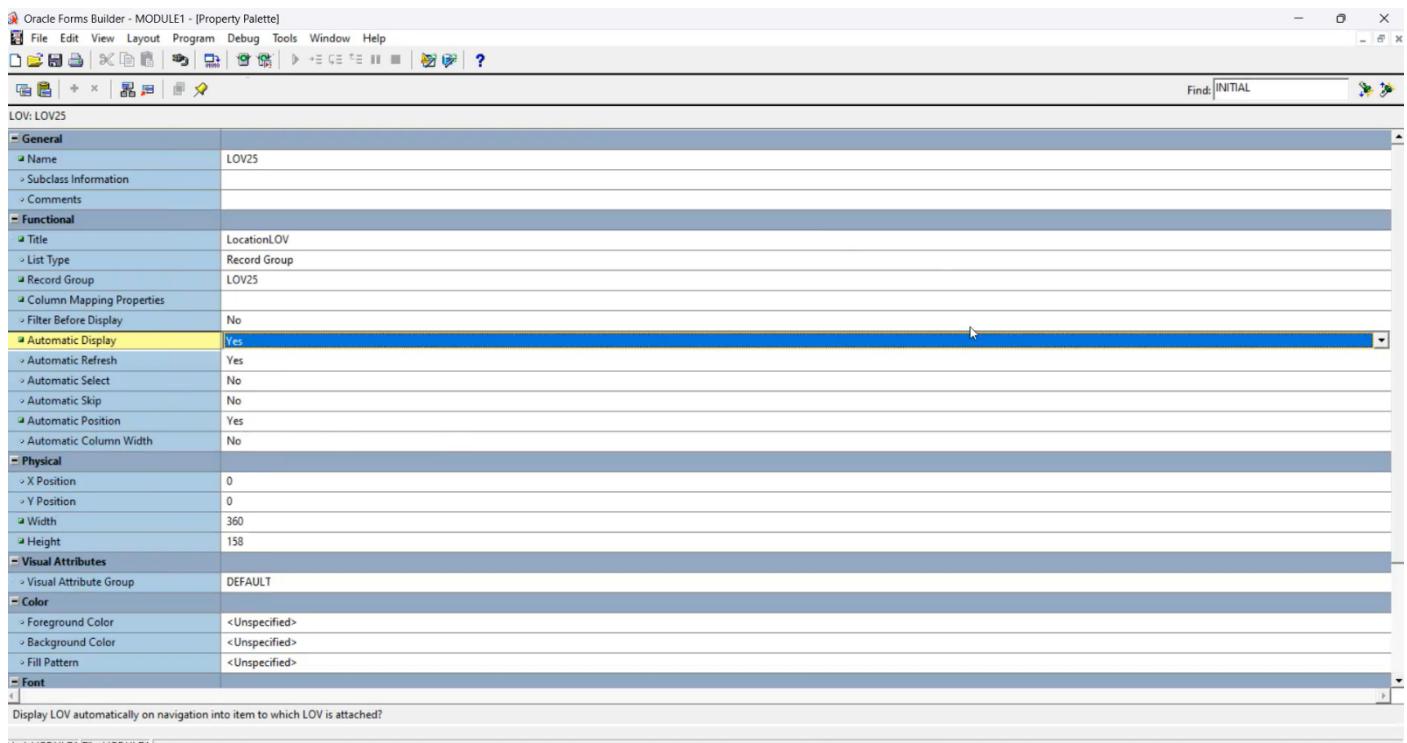
- Set the label and the value for the third radio button.



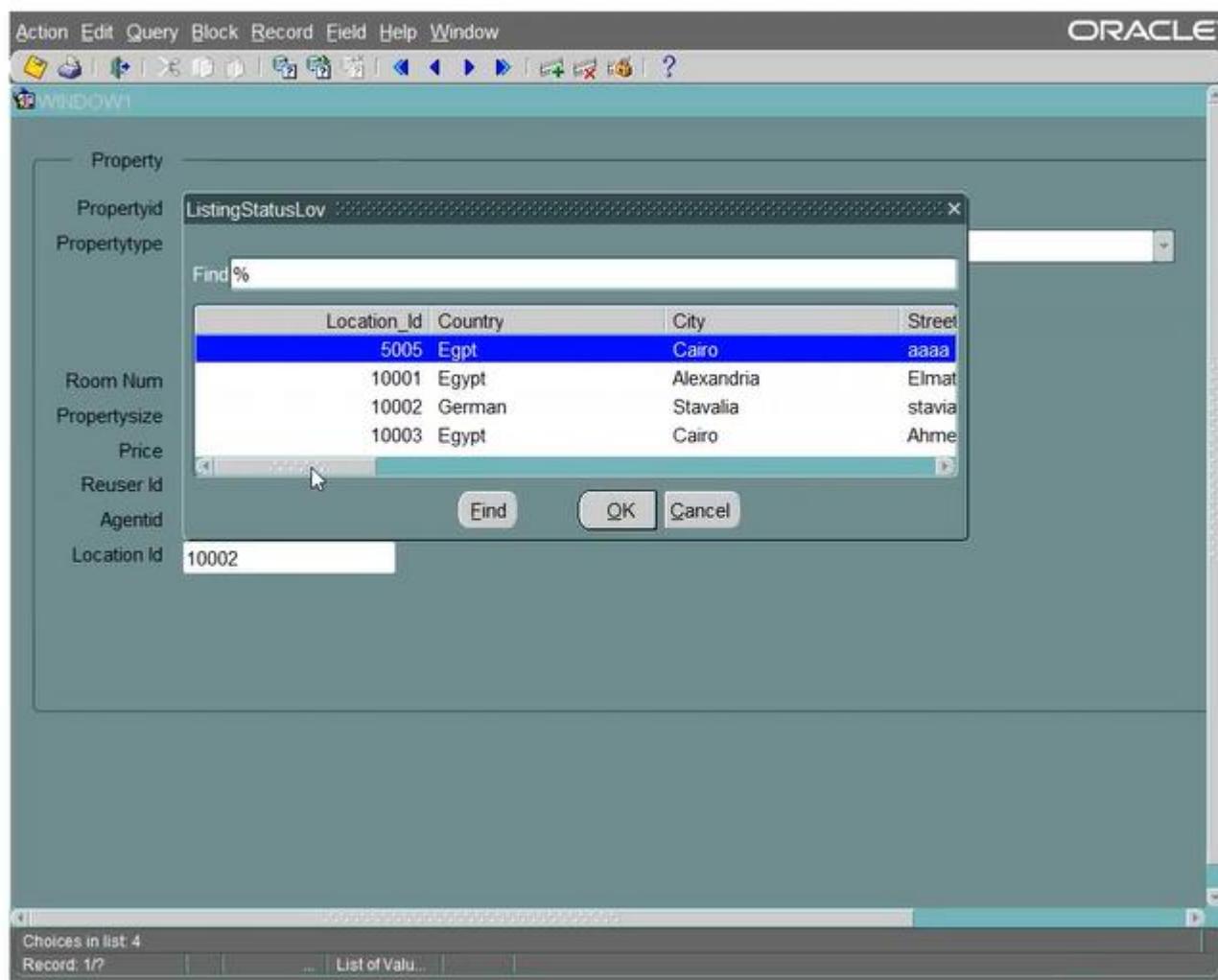
- Put a checkbox for user type and set value when checked (buyer), value when unchecked (renter), mapping of other values (unchecked), initial value (buyer).



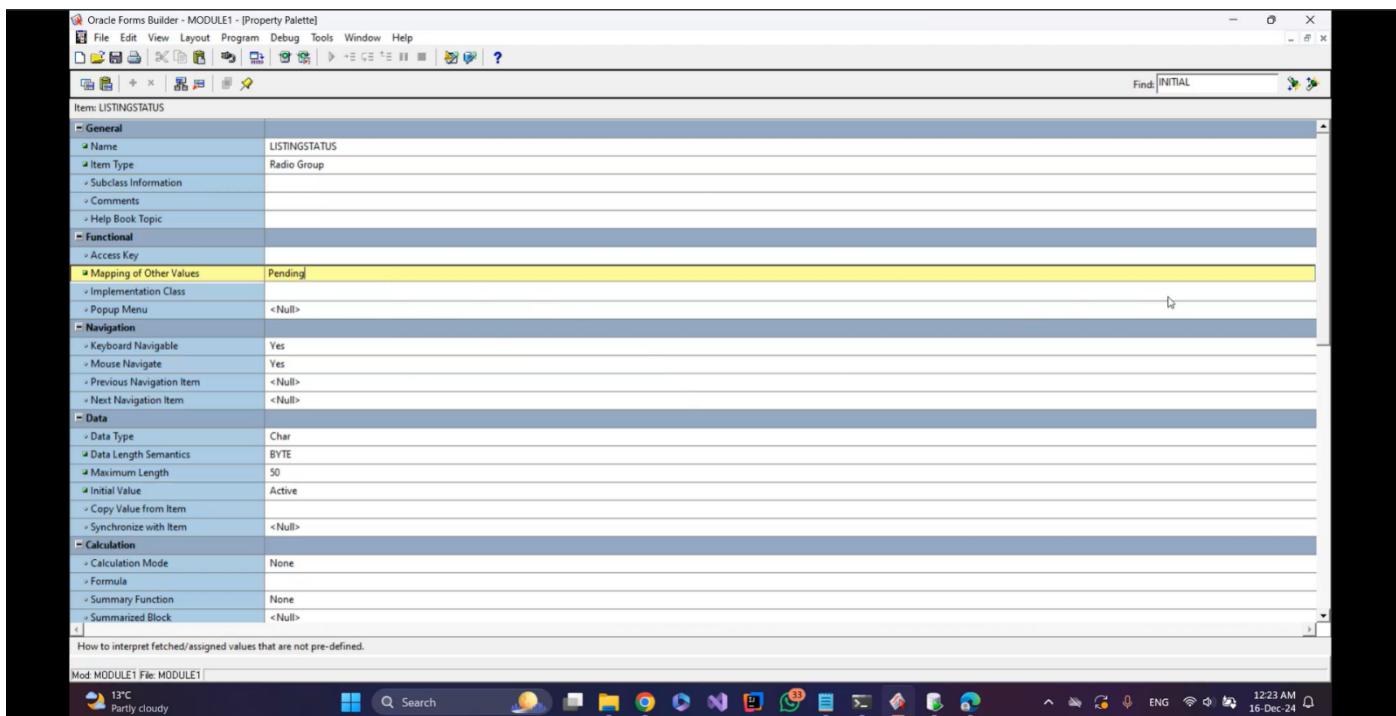
- Make the LOV (location details) automatically displayed in Property data.



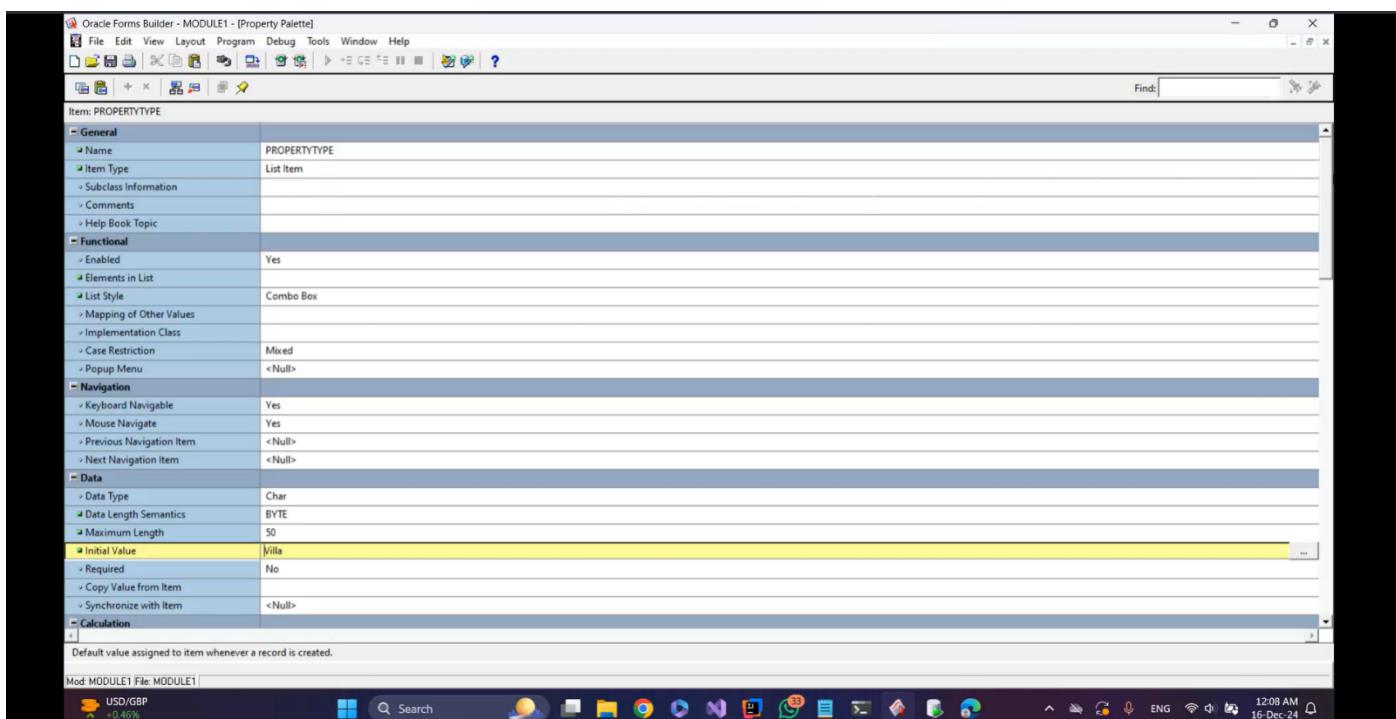
- Location details are displayed with Property data by LOV.



- From the property palette of the listing status item, set mapping of other value and initial value.



- Make the list item have style combo box for property type and set the initial value with (villa).



- Alert logic (if rating is less than 1 or more than 5, alert message appears).

Oracle Forms Builder - MODULE1 - [PL/SQL Editor]

File Edit View Layout Program Debug Tools Window Help

Name: WHEN-VALIDATE-ITEM

Type: Trigger Object: REVIEW

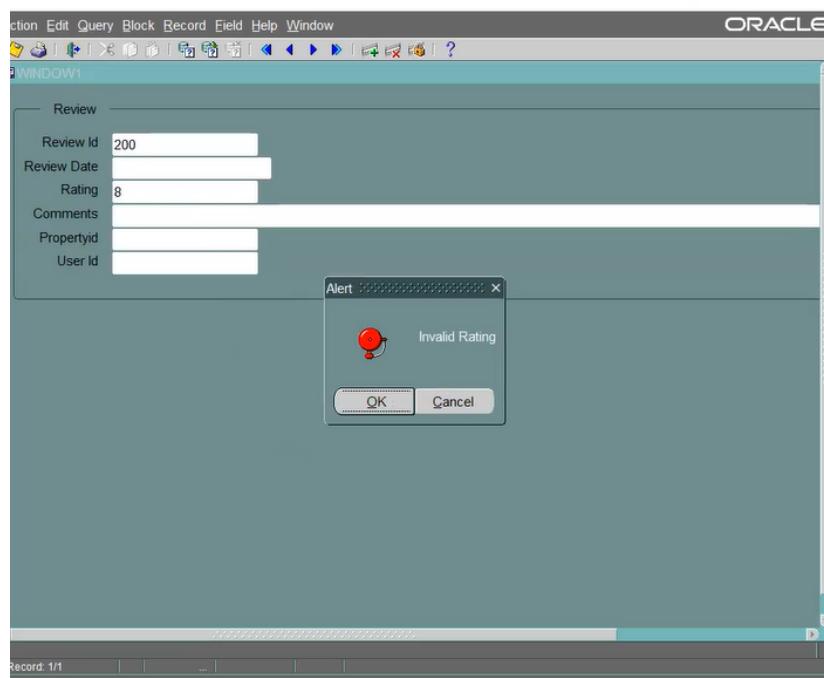
```

1 Declare
2   b number;
3 Begin
4   If :review.rating < 0 or :review.rating > 5 then
5     b := show_alert('ALERT61');
6     If b= 88 then
7       Message ('you pressed the first button');
8       Raise form_trigger_failure;
9     Elsif b= 89 then
10      Message ('you pressed the second button');
11      End if;
12    End if;
13 End;

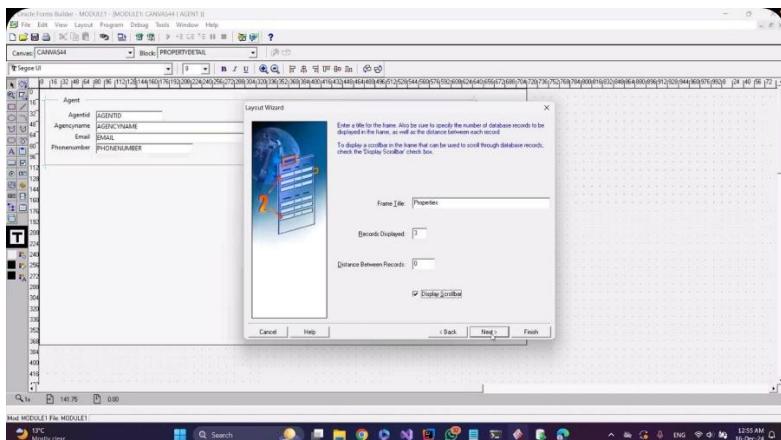
```

I

- Alert result.

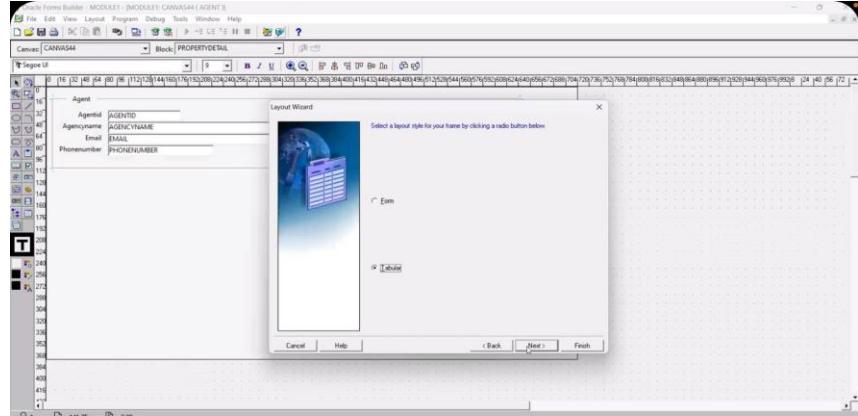


- Create relation between agent and property table and check on auto join data blocks then set property in same canvas and set table as tabular



Mod MODULE1 File MODULE1

12:55 AM 16-Dec-24



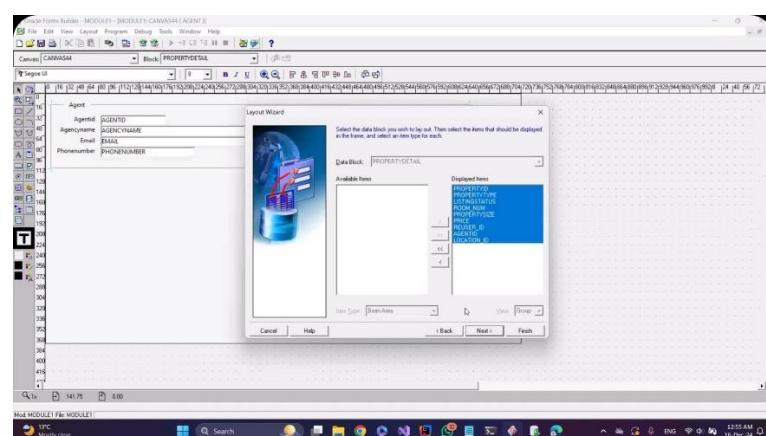
Mod MODULE1 File MODULE1

12:55 AM 16-Dec-24



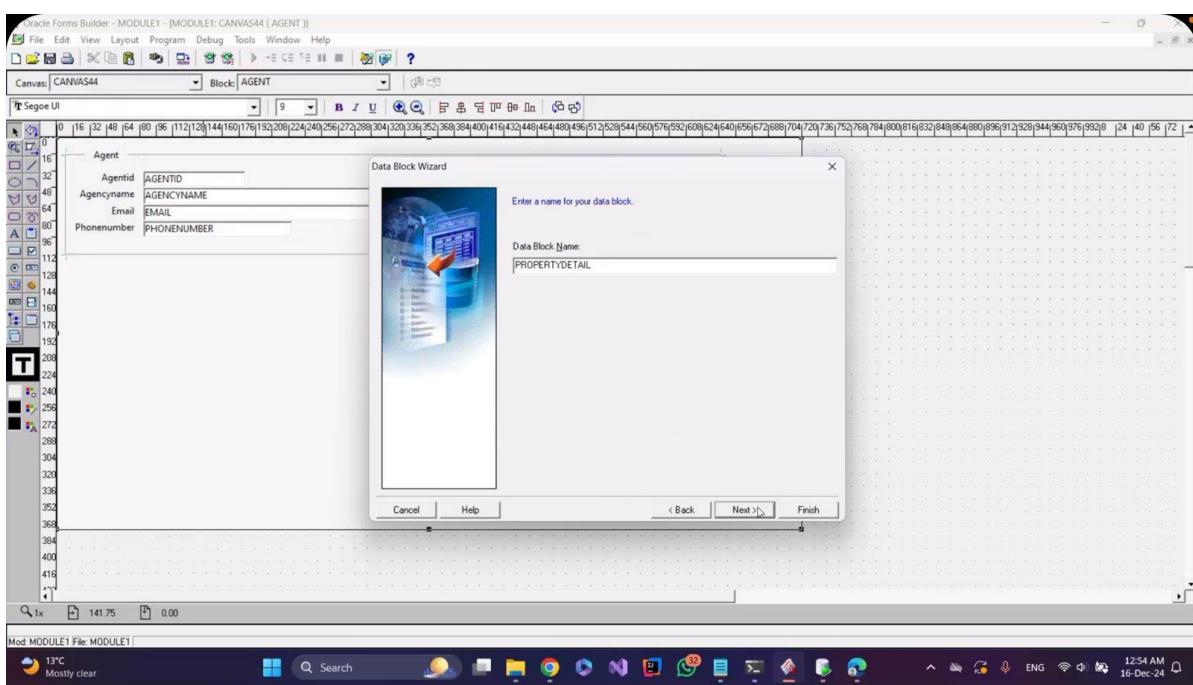
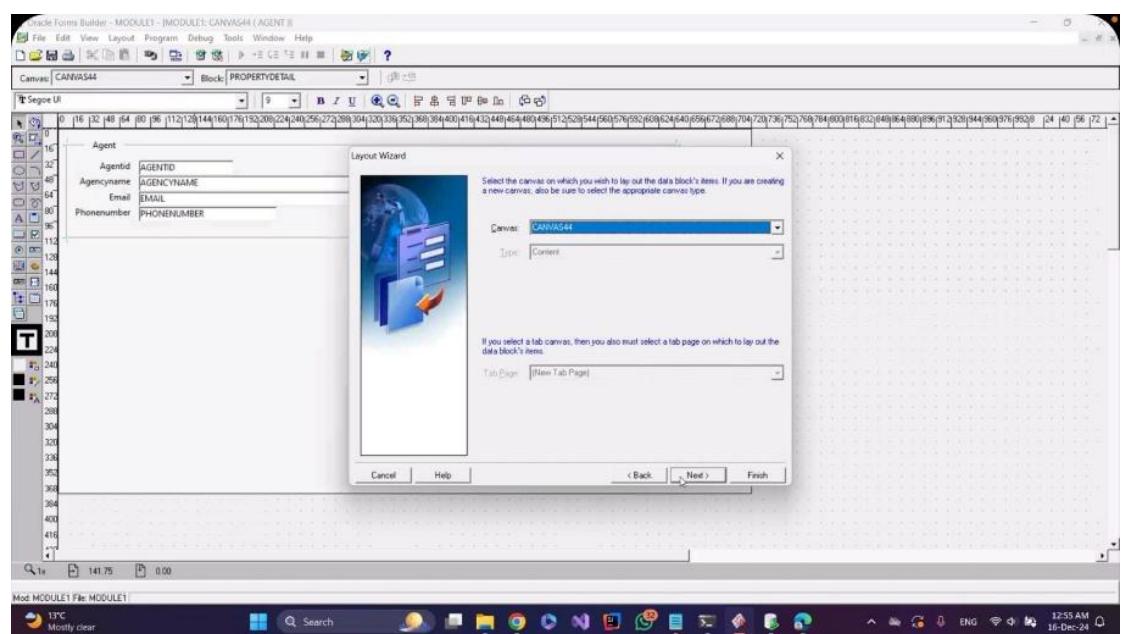
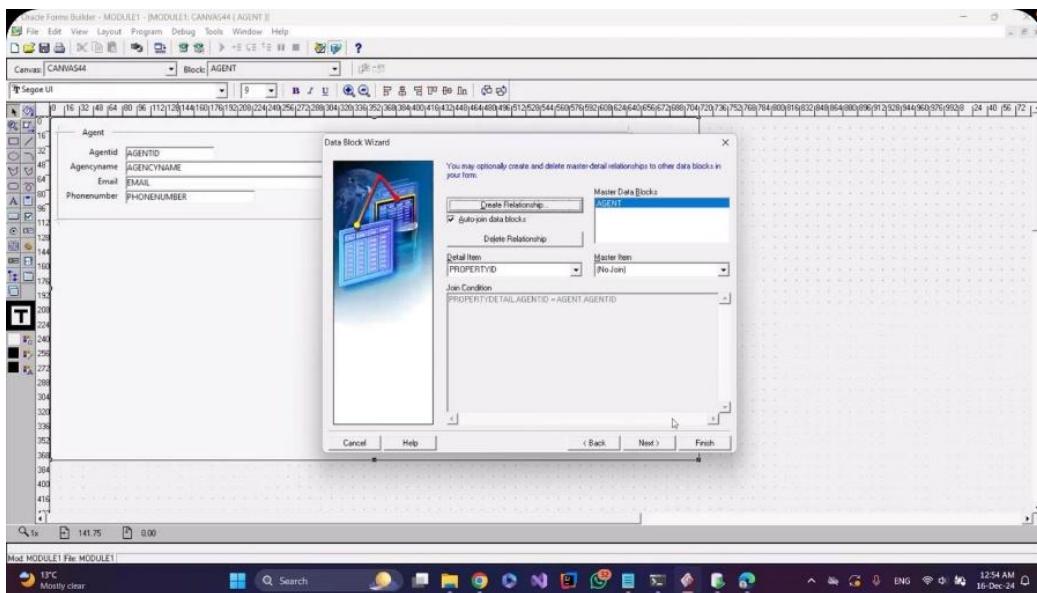
Mod MODULE1 File MODULE1

12:55 AM 16-Dec-24

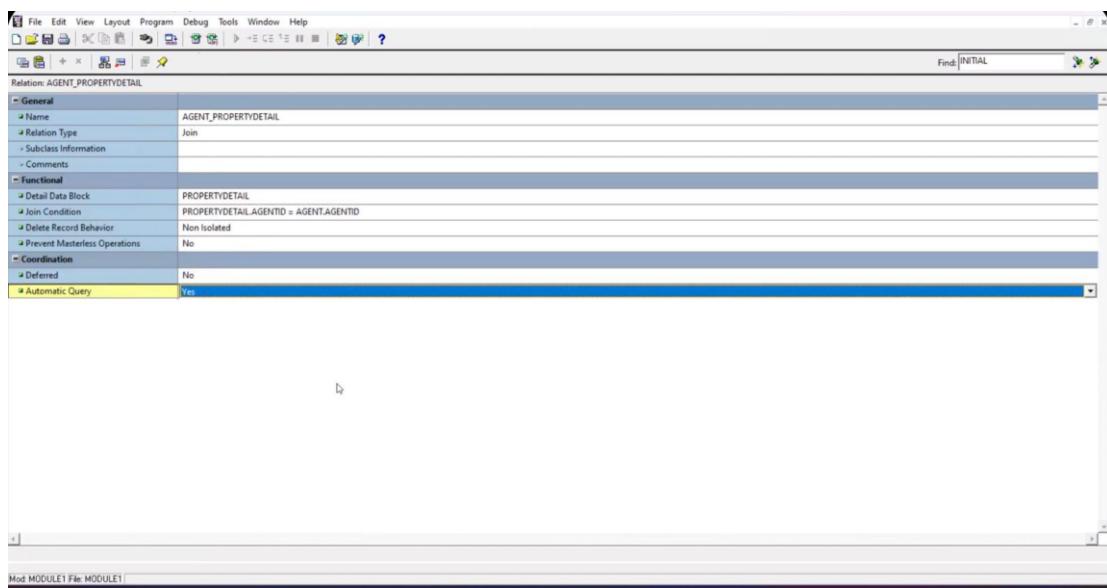


Mod MODULE1 File MODULE1

12:55 AM 16-Dec-24



- From relation property set automatic query (yes) to display all data in same time



- Put item max price in property canvas and set it in summary formula

