**Oracle Forms Task (Mock-up Assessment)**

Create a simple Oracle Form to insert/update employee data.

The form must include validations (e.g., **salary not null**, **email format**) and a **button** to fetch department name from the database using PL/SQL.

EMP\_ID (Primary key)

FIRST\_NAME

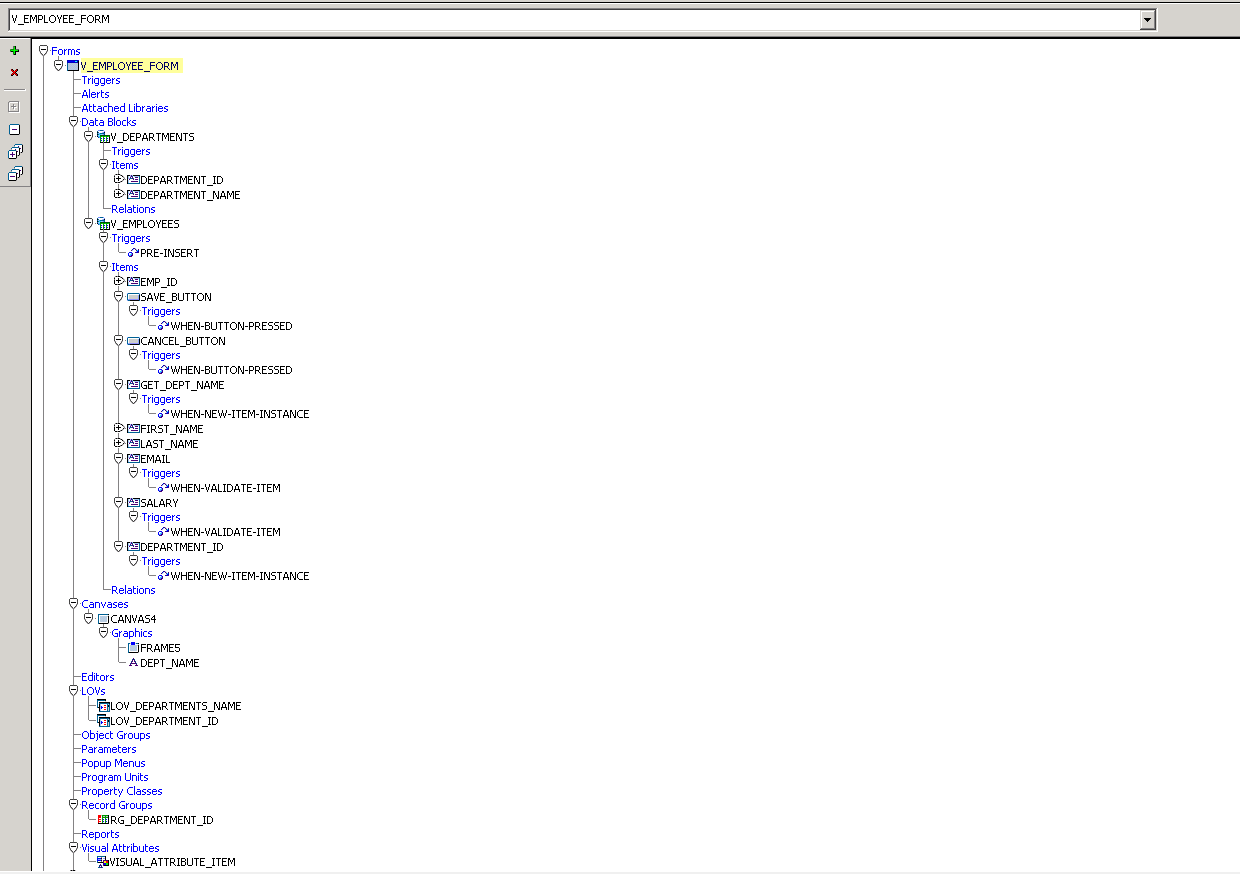
LAST\_NAME

EMAIL

SALARY

DEPARTMENT\_ID

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Attaching Objects Navigator from Form Builder-  


**Form Name**: `V\_EMPLOYEE\_FORM`

**Data Blocks:**

1. **V\_DEPARTMENTS**

   - Fields: `DEPARTMENT\_ID`, `DEPARTMENT\_NAME`

   - Purpose: Department master data

2. **V\_EMPLOYEES**

   - Fields: `EMP\_ID`, `FIRST\_NAME`, `LAST\_NAME`, `EMAIL`, `SALARY`, `DEPARTMENT\_ID`

   - Purpose: Employee data entry with department linkage

🔸 **Buttons**:

1. **SAVE\_BUTTON** `WHEN-BUTTON-PRESSED` – Commits form data
2. **CANCEL\_BUTTON**

WHEN-BUTTON-PRESSED` – Clears or rolls back form data

🔸 **Triggers Used:**

1. V\_EMPLOYEES > PRE-INSERT.
2. GET\_DEPT\_NAME > WHEN-NEW-ITEM-INSTANCE.
3. EMAIL > WHEN-NEW-ITEM-INSTANCE.
4. SALARY > WHEN-NEW-ITEM-INSTANCE.
5. DEPARTMENT\_ID > WHEN-NEW-ITEM-INSTANCE.
6. SAVE BUTTON > WHEN-BUTTON-PRESSED.
7. CANCEL BUTTON > WHEN-BUTTON-PRESSED.

🧾 **LOVs (List of Values):**

1. LOV\_DEPARTMENT\_ID` – For department selection by ID
2. LOV\_DEPARTMENTS\_NAME` – For department name selection by Name.

**🖼 Canvas: -** Contains all form items

- **Frames**:   
F\_FRAMES, `A\_DEPT\_NAME` for layout grouping.

🧱 **Database Tables**

Based on the form, the following tables are used:

CREATE TABLE **V\_DEPARTMENTS** (

DEPARTMENT\_ID   NUMBER,

DEPARTMENT\_NAME VARCHAR2(100)

);

CREATE TABLE **V\_EMPLOYEES** (

EMP\_ID         NUMBER,

FIRST\_NAME     VARCHAR2(50),

LAST\_NAME      VARCHAR2(50),

EMAIL          VARCHAR2(100),

SALARY         NUMBER,

DEPARTMENT\_ID NUMBER

);

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