## ✅ Oracle Forms 10g Manual Creation for PO\_HEADERS\_ALL

### 1. ****Create New Form Module****

Open Oracle Forms Builder 10g

Go to: File → New → Form

### 2. ****Create Data Block (Manual)****

Right-click Data Blocks → Create → Choose **Manual** → Finish

Set:

Name: PO\_HDR\_BLK

Database Data Block: Yes

Query Data Source Type: Table

Table Name: PO\_HEADERS\_ALL

#### Add These Columns:

PO\_HEADER\_ID (Number)

SEGMENT1 (PO Number)

VENDOR\_ID (Number)

AGENT\_ID (Number)

CURRENCY\_CODE (VARCHAR2)

AUTHORIZATION\_STATUS (VARCHAR2)

APPROVED\_DATE (Date)

### 3. ****Create Canvas and Window****

Right-click Canvases → Create

Name: PO\_CANVAS, Type: Content, Size: 800x600

Right-click Windows → Create

Name: PO\_WIN, Title: "PO Headers"

Primary Canvas: PO\_CANVAS

### 4. ****Design Layout****

Open Layout Editor → Place and arrange items:

Top: SEGMENT1, APPROVED\_DATE

Middle: VENDOR\_ID, AGENT\_ID

Bottom: AUTHORIZATION\_STATUS, CURRENCY\_CODE

### 5. ****(Optional) Add Radio Group for Status****

Create a non-database item: STATUS\_INDICATOR (VARCHAR2)

Create a **Radio Group** (STATUS\_GROUP) with:

"Approved" → APPROVED

"Incomplete" → INCOMPLETE

"Requires Reapproval" → REQUIRES REAPPROVAL

### ✅ Step 1: Create the Non-Database Item (STATUS\_INDICATOR)

**Open the Object Navigator**

Expand your **data block** → e.g., PO\_HDR\_BLK

Right-click on **Items** → **Create**

Set the item’s properties:

**Name**: STATUS\_INDICATOR

**Item Type**: Radio Group

**Data Type**: CHAR

**Canvas**: PO\_CANVAS

**Database Item**: No

**Width**: 20

### ✅ Step 2: Create the Radio Buttons

Right-click on STATUS\_INDICATOR → **Create** → This adds a child radio button (e.g., RADIO\_BUTTON1)

Set properties for each radio button:

| **Property** | **Value** |
| --- | --- |
| **Name** | RB\_APPROVED |
| **Label** | Approved |
| **Value** | APPROVED |

Repeat to create two more buttons:

RB\_INCOMPLETE → Label: Incomplete, Value: INCOMPLETE

RB\_REAPPROVAL → Label: Requires Reapproval, Value: REQUIRES REAPPROVAL

### ✅ Step 3: Position the Radio Group

Open **Layout Editor** (right-click canvas → Layout Editor)

Drag and position the STATUS\_INDICATOR group and its radio buttons under a frame labeled “PO Header Details” or any area you prefer.

### ✅ Step 4: Add Mapping Triggers

#### 🔹 POST-QUERY (on PO\_HDR\_BLK)

This copies the DB value to the radio group after fetching data.

In Object Navigator:

Right-click PO\_HDR\_BLK → **Triggers** → Create

Choose POST-QUERY

Add:

:PO\_HDR\_BLK.STATUS\_INDICATOR := :PO\_HDR\_BLK.AUTHORIZATION\_STATUS;

#### PRE-INSERT and PRE-UPDATE (on PO\_HDR\_BLK)

This saves the radio selection back into the database field.

Create both PRE-INSERT and PRE-UPDATE triggers:

:PO\_HDR\_BLK.AUTHORIZATION\_STATUS := :PO\_HDR\_BLK.STATUS\_INDICATOR;

### 6. ****Add Control Buttons****

Create 3 push buttons:

#### Execute Query Button

Label: Execute Query

Trigger: WHEN-BUTTON-PRESSED

EXECUTE\_QUERY;

#### Save Button

Label: Save PO

Trigger: WHEN-BUTTON-PRESSED

COMMIT;

MESSAGE('PO Saved Successfully');

#### Exit Button

Label: Exit

Trigger: WHEN-BUTTON-PRESSED

EXIT\_FORM;

### 7. ****WHEN-NEW-FORM-INSTANCE Trigger****

GO\_BLOCK('PO\_HDR\_BLK');

SET\_BLOCK\_PROPERTY('PO\_HDR\_BLK', INSERT\_ALLOWED, PROPERTY\_TRUE);

SET\_BLOCK\_PROPERTY('PO\_HDR\_BLK', UPDATE\_ALLOWED, PROPERTY\_TRUE);

### 8. ****Form Properties****

Console Window: PO\_WIN

First Navigation Block: PO\_HDR\_BLK

Coordinate Canvas: PO\_CANVAS

### 9. ****Save & Compile****

Save as: po\_headers\_form.fmb

Compile (Ctrl + T)

Run Form (Ctrl + R)