



Form Developer Guide

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INTRODUCTION

This document mainly prepared for a sample development for the form. Through this document you can develop any kind of form because the following development covers over all concepts in form 6i.

Sample Development refers as follows.

The screenshot shows a web application window titled "Employee Form For Development". The form is structured as follows:

- Name Section:** Contains three input fields: "First Name" (highlighted in yellow), "Last Name", and "Title". There is a small icon of a document with a checkmark to the right of the "Title" field.
- Identifier Section:** Contains one input field: "Employee Number" (highlighted in yellow).
- Personal Information Section:** This section is highlighted with a light gray background and contains:
 - Gender:** Three radio buttons labeled "Male", "Female", and "Unkown".
 - Birth Date:** A date input field.
 - Email Address:** A text input field.
 - Phone Number:** A text input field.
- Navigation and Action:** At the bottom, there are two buttons: "In Complete" and "Submit". Above the "Personal Information" section, there are three tabs: "Personal Information" (active), "Location", and "Assignment".

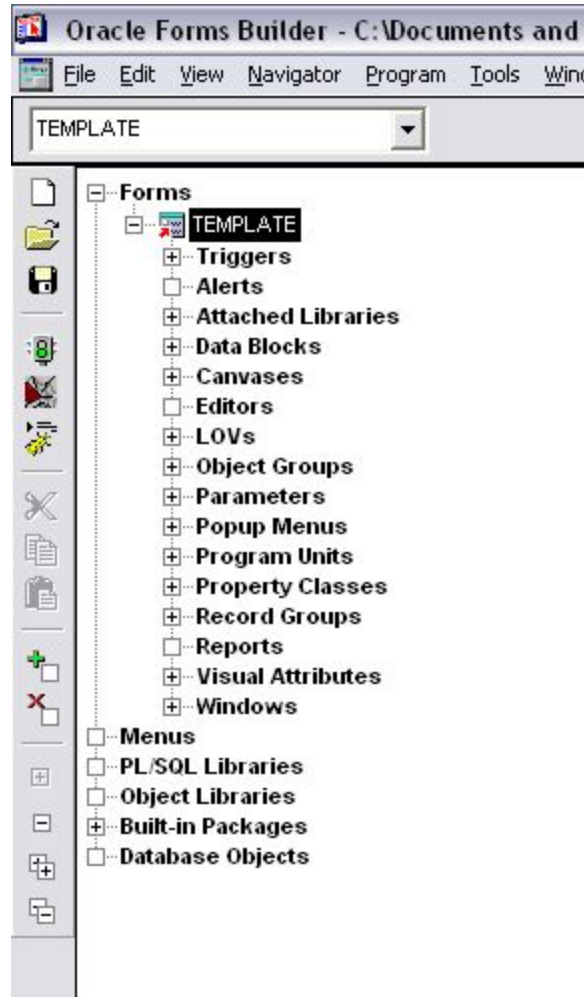
Step to be followed

- While starting the form development we should use TEMPLATE.fmb. Which is provided by the oracle. It has the standard libraries need to be loaded in the basic form. So we will start with the TEMPLATE.fmb. form location as follows.

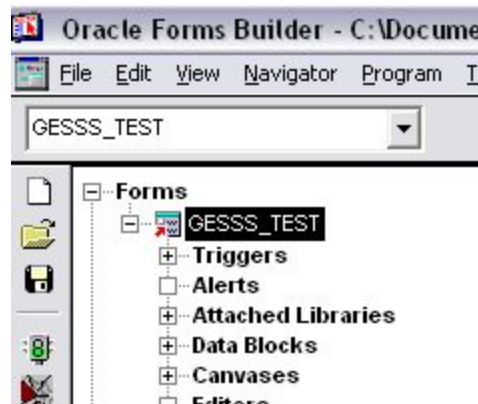
Please down load the file into our Desktop.

Server	Application Server
Path	\$AU_TOP/form/US
File Name	TEMPLATE.fmb

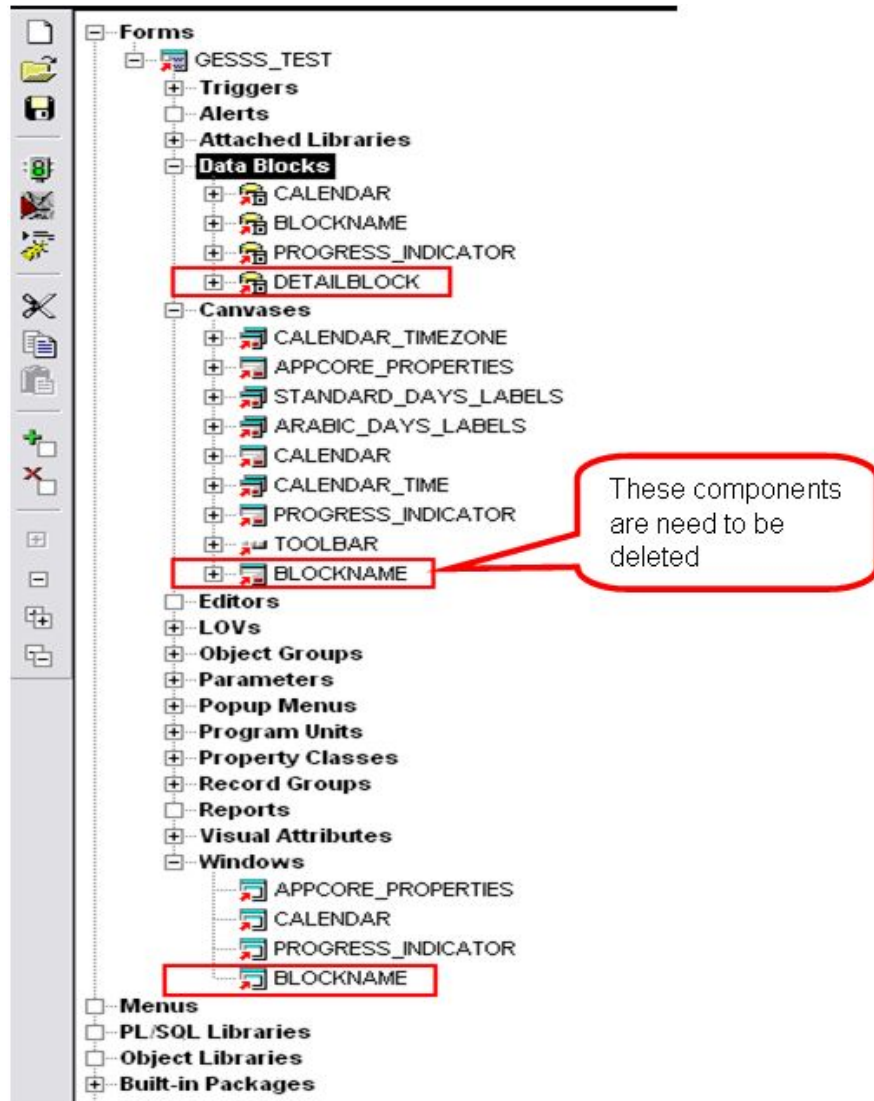
- Rename the TEMPLATE.fmb into some custom name like 'GESSS_TEST.fmb'
- Load the File into Form builder 6i. it will be looks like as bellow.



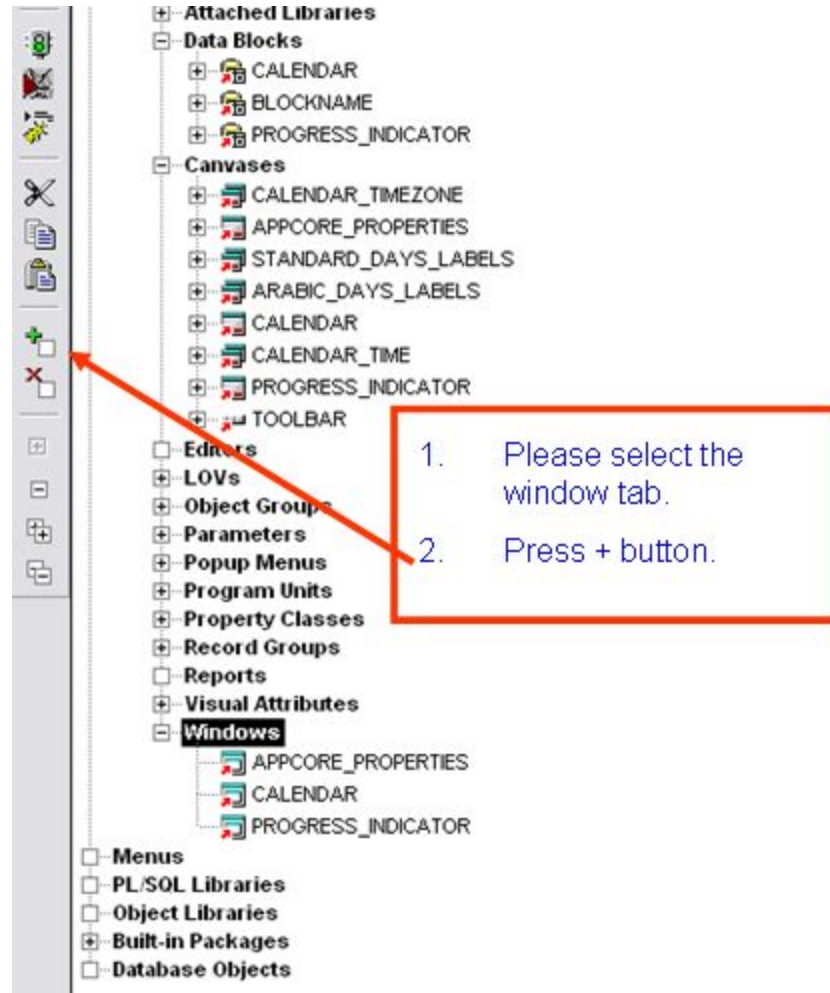
- Rename the TEMPLATE into 'GESSS_TEST'.



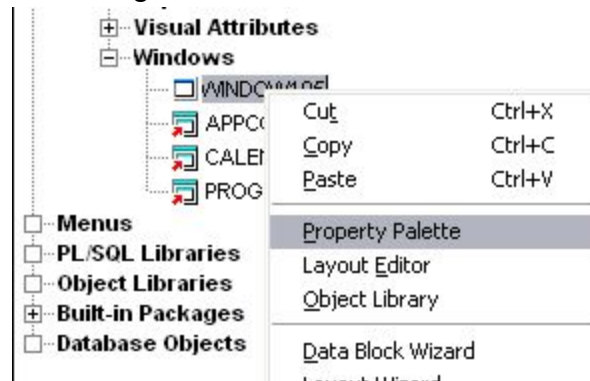
- Need to delete the Standard component in the form. Like standard Window, Canvas and Data block.



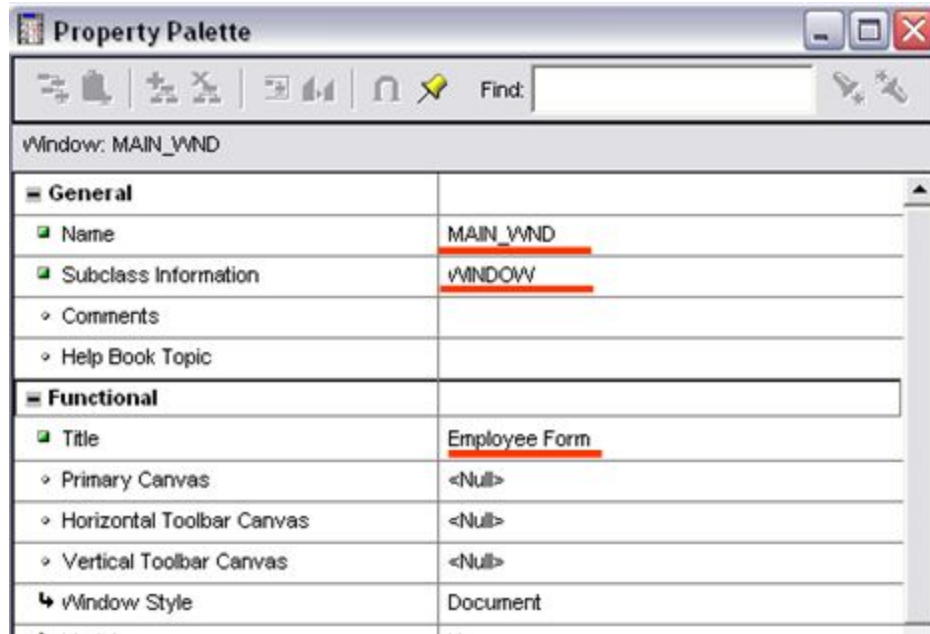
- Need to create window for this form. Please follow the steps as bellow.



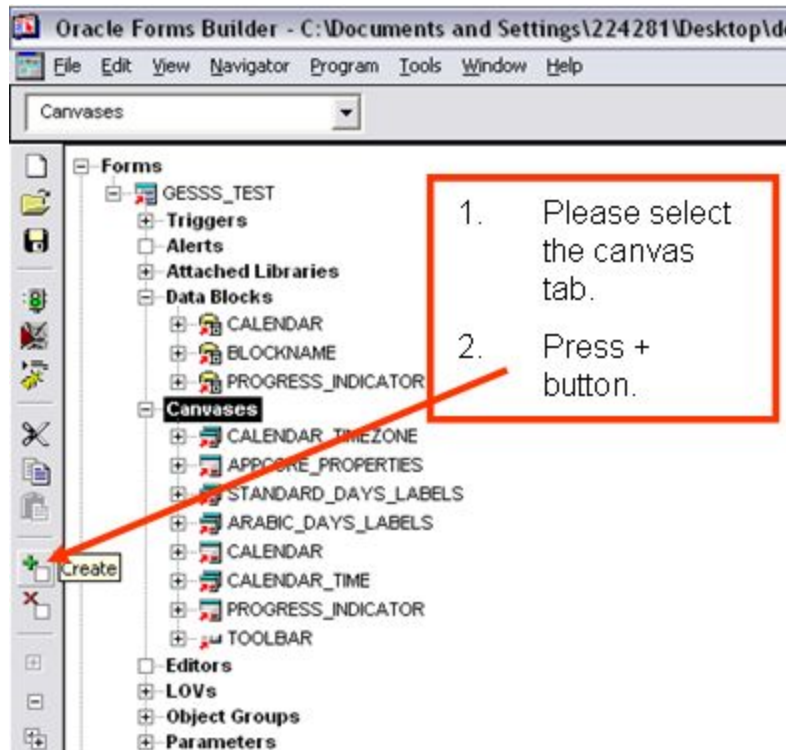
Please right click in new window.



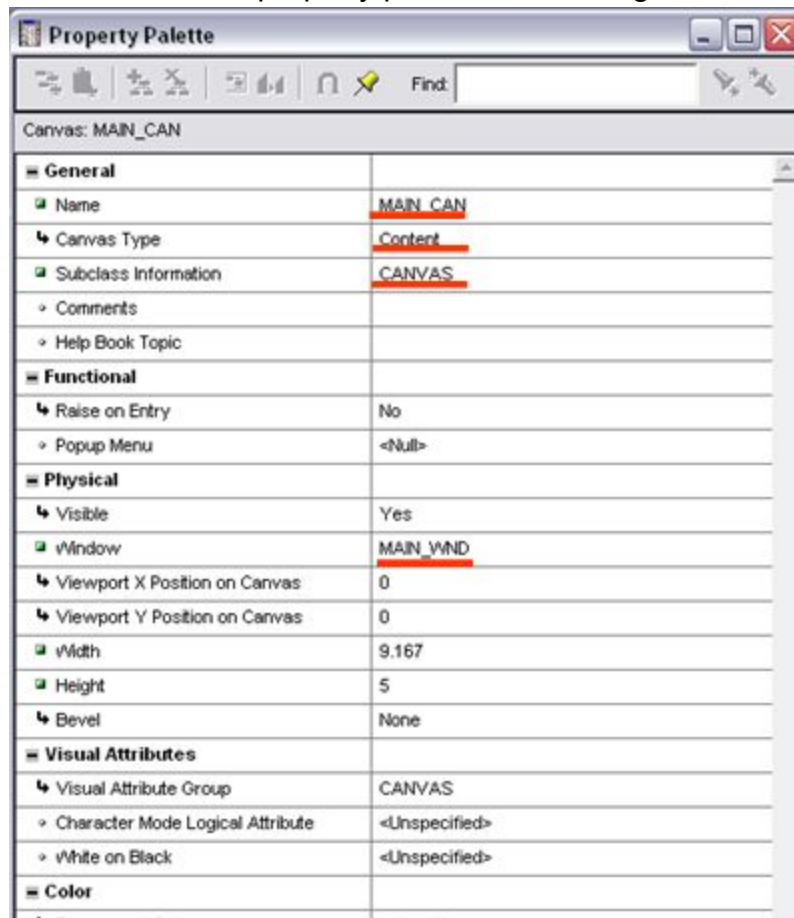
Please select the following detail from the property palette.



- Need to create a new canvas. For that please follow the bellow reference.



Please select the property palette. And change values as bellow.



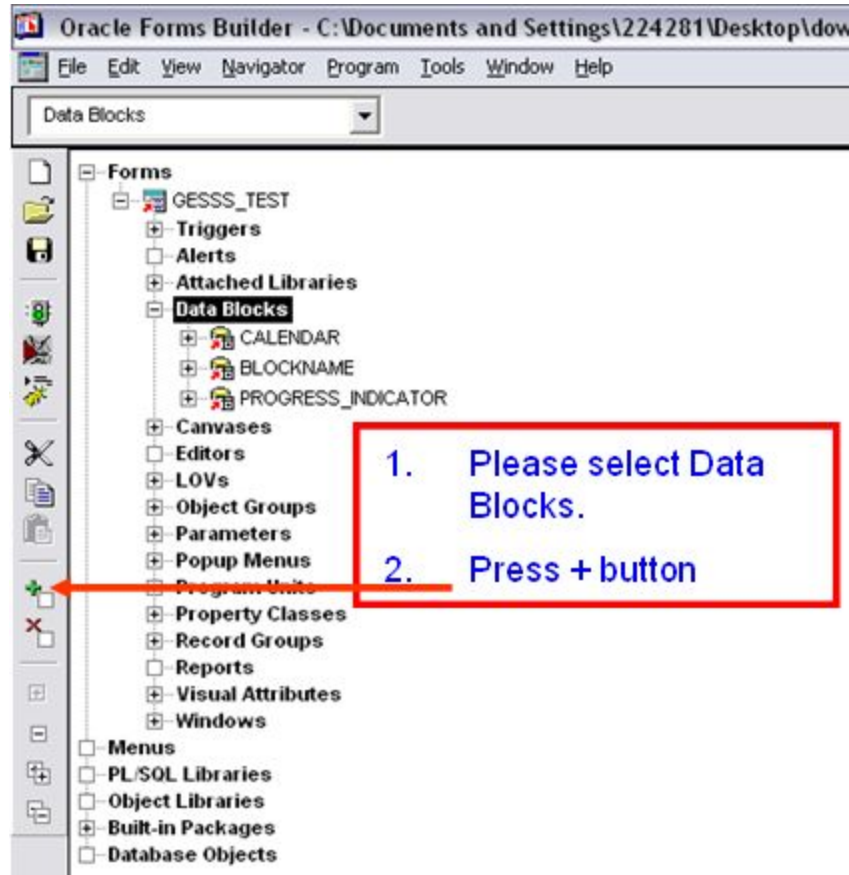
➤ Create the table (GESSS_TEST_TBL) with using following table.

-----Table Script

```
create table GESSS_TEST_TBL (  
  --Name  
  first_name varchar2(50),  
  last_name  varchar2(50),  
  title      varchar2(10),  
  full_name  varchar2(250),  
  --Personal Informaation  
  gender     varchar2(10),  
  birth_date date,  
  email      varchar2(250),  
  phone      varchar2(50),  
  --Identifier  
  employee_number varchar2(100) primary Key,  
  --Address  
  address1     varchar2(100),  
  address2     varchar2(100),
```

```
city varchar2(100),
state varchar2(100),
country varchar2(100),
--Assignment
Assigenment_number varchar2(100),
job varchar2(100),
position varchar2(100),
supervisor varchar2(100),
--Account information
code_combination_id number,
flex_account varchar2(200),
--Status of the Record
Flow_Status varchar2(50),
--Workflow Information
wf_itemtype varchar2(50),
ef_itemkey varchar2(50),
--Descriptive Flexfiled purpose
attribute1 varchar2(250),
attribute2 varchar2(250),
attribute3 varchar2(250),
attribute4 varchar2(250),
attribute5 varchar2(250)
);
```

➤ Create a new data block.



➤ Please select as follow



➤ Please rename as follows GESSS_TEST_DB.

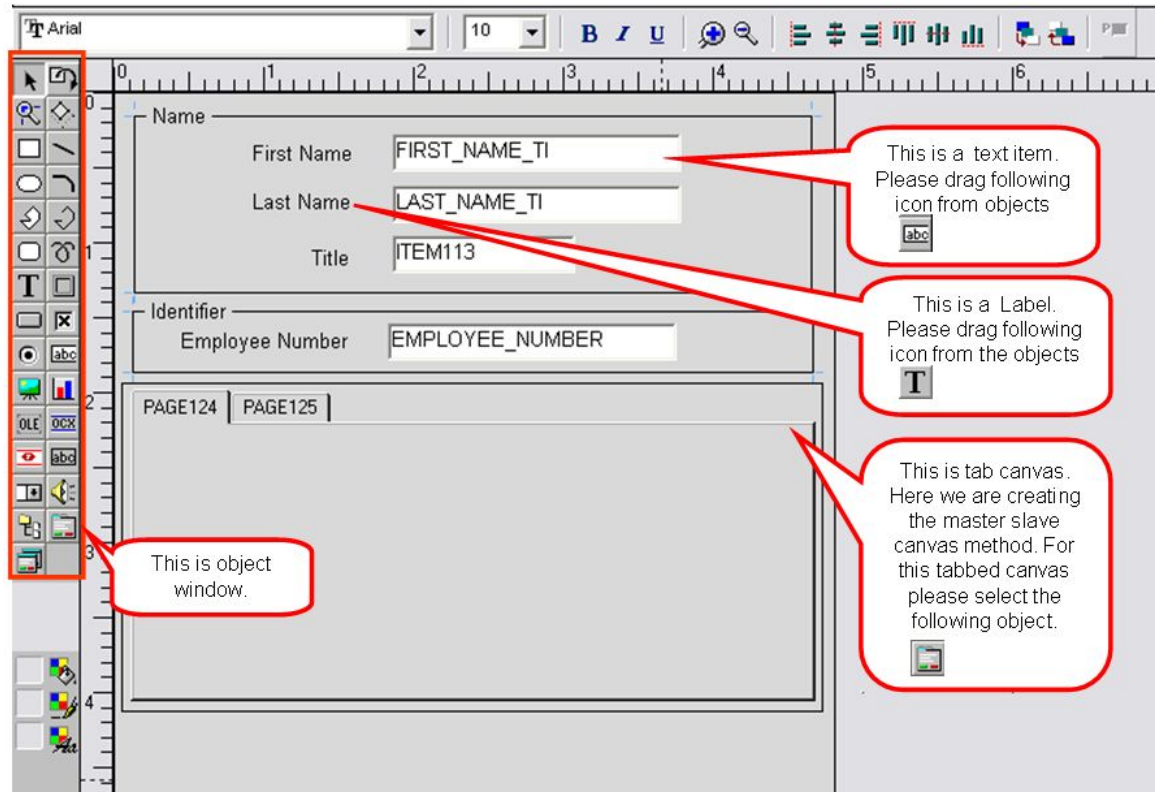
➤ Please select properties palette. As follow.

Property Palette

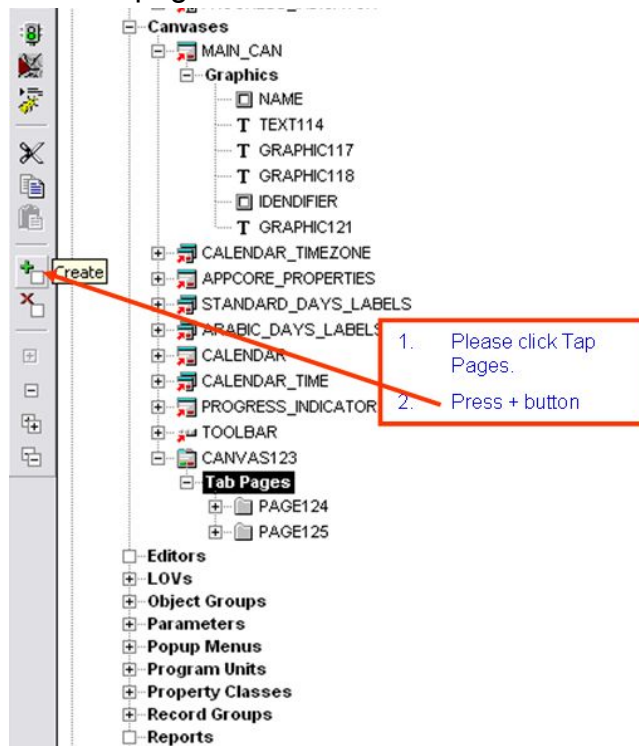
Data Block: GESSS_TEST_DB

General	
Name	<u>GESSS_TEST_DB</u>
Subclass information	<u>BLOCK</u>
Comments	
Navigation	
Navigation Style	<u>Change Record</u>
Previous Navigation Data Block	<Null>
Next Navigation Data Block	<Null>
Records	
Current Record Visual Attribute Group	<Null>
Query Array Size	0
Number of Records Buffered	0
Number of Records Displayed	1
Query All Records	No
Record Orientation	Vertical
Single Record	No
Database	
Database Data Block	Yes
Enforce Primary Key	No
Query Allowed	Yes
Query Data Source Type	Table
Query Data Source Name	<u>gesss_test_tbl</u>
Query Data Source Columns	
Query Data Source Arguments	
Alias	

- Open the canvas drag and drop the items as bellow.



- Now we have tab canvas has only two pages we need to add one more page.



➤ Please add the object as bellow to tabbed canvas for each pages.

➤ Page: 1

Form Design for Page 1:

Name

First Name: FIRST_NAME_TI

Last Name: LAST_NAME_TI

Title: ITEM113

Identifier

Employee Number: EMPLOYEE_NUMBER

Personal Information | **Locations** | **Assignment**

Gender

☐ Male ☐ Female ☐ Unkown

Birth Date: BIRTH_DATE_TI

Email Address: EMAIL_ADDRESS_TI

Phone Number: PHONE_NUMBER_TI

➤ Page: 2

Form Design for Page 2:

Name

First Name: FIRST_NAME_TI

Last Name: LAST_NAME_TI

Title: ITEM113

Identifier

Employee Number: EMPLOYEE_NUMBER

Personal Information | **Locations** | **Assignment**

Address Line1: ADDRESS1_TI

Address Line2: ADDRESS2_TI

City: CITY_TI

State: STATE_TI

Country: COUNTRY_TI

➤ Page: 3

The screenshot shows a form design tool interface. At the top, there is a text box with 'Arial' font and a size of '10'. Below this is a ruler with markings from 0 to 15. On the left side, there is a vertical toolbar with various icons for text, shapes, and alignment. The main area displays a form layout with the following sections:

- Name**: Contains three text boxes labeled 'First Name' (with value 'FIRST_NAME_TI'), 'Last Name' (with value 'LAST_NAME_TI'), and 'Title' (with value 'ITEM113').
- Identifier**: Contains one text box labeled 'Employee Number' (with value 'EMPLOYEE_NUMBER').
- Personal Information**: A section with a tabbed interface. The 'Personal Information' tab is selected, showing five text boxes: 'Assigenment Number' (with value 'ASSIGENMENT_NUMBER_TI'), 'Job' (with value 'JOB_TI'), 'Position' (with value 'POSITION_TI'), 'Supervisor' (with value 'SUPERVISOR_TI'), and 'Expences Account' (with value 'FLEX_ACCOUNT_TI').

➤ Add Flow_Status Text Item and Submit button in this form.

➤ Properties for these items as bellow.

Text Item

PROPERTY ATTRIBUTE	Name	Subclass information	Required	Data base Item	Column name	Data type	Maximum Length
ITEM							
FIRST_NAME_TI	FIRST_NAME_TI	TEXT_ITEM	Yes	Yes	FIRST_NAME	Char	50
LAST_NAME_TI	LAST_NAME_TI	TEXT_ITEM	No	Yes	LAST_NAME	Char	50
EMPLOYEE_NUMBER	EMPLOYEE_NUMBE	TEXT_ITEM	Yes	Yes	EMPLOYEE_NUMBER	Char	50
BIRTH_DATE_TI	BIRTH_DATE_TI	TEXT_ITEM	No	Yes	BIRTH_DATE	Char	50
EMAIL_ADDRESS_TI	EMAIL_ADDRESS_T	TEXT_ITEM	No	Yes	EMAIL_ADDRESS	Char	50
PHONE_NUMBER_TI	PHONE_NUMBER_T	TEXT_ITEM	No	Yes	PHONE_NUMBER	Char	50
ADDRESS1_TI	ADDRESS1_TI	TEXT_ITEM	Yes	Yes	ADDRESS1	Char	50
ADDRESS2_TI	ADDRESS2_TI	TEXT_ITEM	No	Yes	ADDRESS2	Char	50
CITY_TI	CITY_TI	TEXT_ITEM	Yes	Yes	CITY	Char	50
STATE_TI	STATE_TI	TEXT_ITEM	Yes	Yes	STATE	Char	50
COUNTRY_TI	COUNTRY_TI	TEXT_ITEM	Yes	Yes	COUNTRY	Char	50
ASSIGNMENT_NUME	ASSIGNMENT_NU	TEXT_ITEM	Yes	Yes	ASSIGNMENT_NUMBE	Char	50
JOB_TI	JOB_TI	TEXT_ITEM	No	Yes	JOB	Char	50
POSITION_TI	POSITION_TI	TEXT_ITEM	No	Yes	POSITION	Char	50

SUPERVISOR_TI	SUPERVISOR_TI	TEXT_ITEM	No	Yes	SUPERVISOR	Char	50
FLEX_ACCOUNT_TI	FLEX_ACCOUNT_TI	TEXT_ITEM	No	Yes	FLEX_ACCOUNT	Char	50
FLOW_STATUS_DI	FLOW_STATUS_DI	DISPLAY_ITEM	No	Yes	FLOW_STATUS	Char	50

Frame

PROPERTY ATTRIBUTE	Name	Subclass information	Frame Title
ITEM			
NAME	NAME		Name
IDENDIFIER	IDENDIFIER		Identifier
GENDER	GENDER		Gender

Button

PROPERTY ATTRIBUTE	Name	Subclass information	Lable
ITEM			
SUBMIT_BUTTON	SUBMIT_BUTTON	BUTTON	Submit

Redio Button

PROPERTY ATTRIBUTE	Name	Label	Radio Button value
ITEM			
RADIO_BUTTON138	RADIO_BUTTON138	Male	M
RADIO_BUTTON139	RADIO_BUTTON139	Female	F
RADIO_BUTTON140	RADIO_BUTTON140	Unknown	U

➤ Now we need to add Title into LOV. For validation purpose
We have titles table. With using table we have to create. We have to create a
new Record Group.



SQL Query:

```
select title from gesss_title_tbl;
```

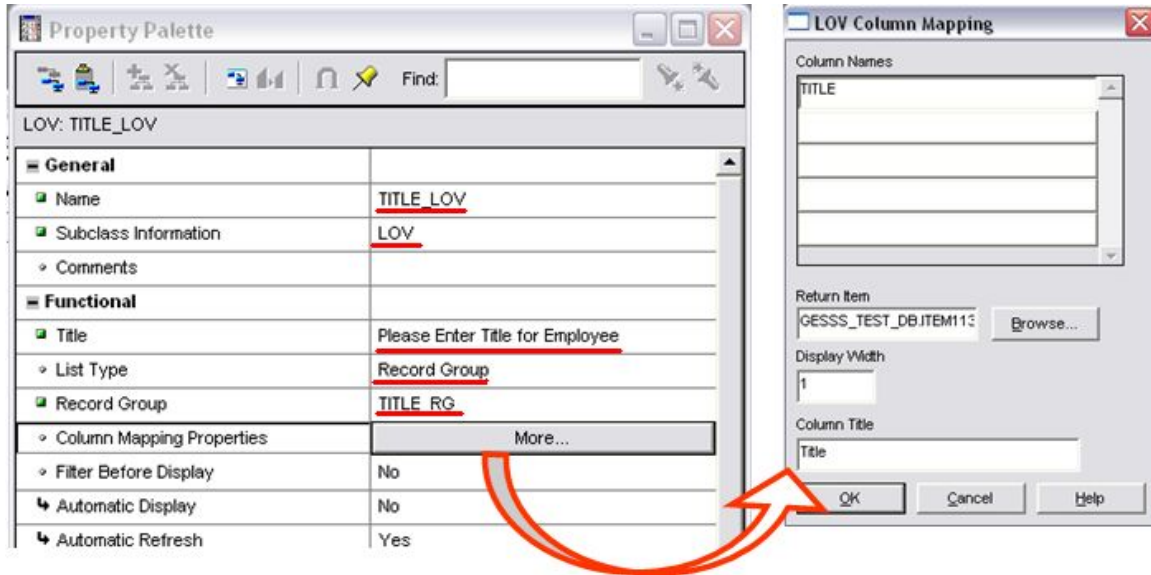
Change Properties:

Name : TITLE_RG

➤ We have to create List Of Values(LOV) for this Record Group
Create a new LOV with build manually.

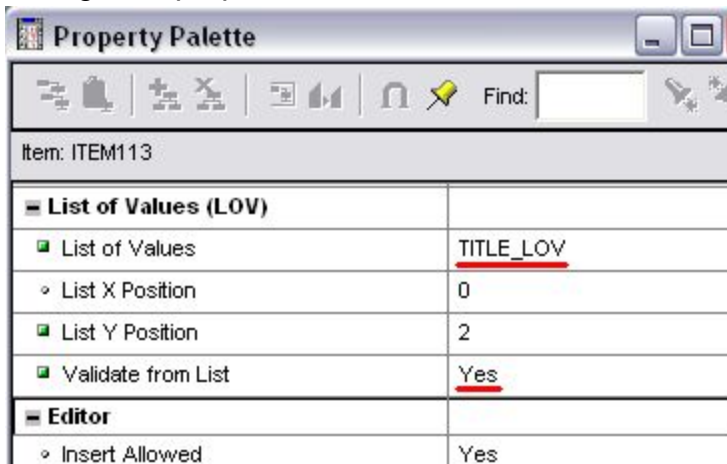


Set the properties



- We have to map the LOV with text item which we have created for Title.

Change the properties:



Now the LOV Have set to the particular user.

- Now we are going to implement Descriptive Flex Field Concept for Custom form for the custom Descriptive Flex Field.

We need to create a Descriptive Flex Field.

We need to register the Table:

This is done through API . From back end.

```
-----  
--Registering Table Descriptive FlexField.  
-----  
  
--Script for Register Table  
begin  
ad_dd.register_table('FND', 'GESSS_TEST_TBL', 'T');  
end;  
  
--Script for Register Column  
begin  
ad_dd.register_column('FND', 'GESSS_TEST_TBL', 'ATTRIBUTE1', 1, '  
VARCHAR2', 250, 'N', 'N');  
ad_dd.register_column('FND', 'GESSS_TEST_TBL', 'ATTRIBUTE2', 2, '  
VARCHAR2', 250, 'N', 'N');  
ad_dd.register_column('FND', 'GESSS_TEST_TBL', 'ATTRIBUTE3', 3, '  
VARCHAR2', 250, 'N', 'N');  
ad_dd.register_column('FND', 'GESSS_TEST_TBL', 'ATTRIBUTE4', 4, '  
VARCHAR2', 250, 'N', 'N');  
ad_dd.register_column('FND', 'GESSS_TEST_TBL', 'ATTRIBUTE5', 5, '  
VARCHAR2', 250, 'N', 'N');  
end;
```

And Need Register from front-end.

Navigation: **Application Developer -> Flex Field -> Descriptive -> Register**

The screenshot shows the 'Descriptive Flexfields' configuration window. It contains two columns of input fields. The left column includes 'Application' (Purchasing), 'Title' (GESSS_TEST), 'Table Application' (Application Object Library), 'Structure Column' (ATTRIBUTE1), and a 'Protected' checkbox. The right column includes 'Name' (GESSS_TEST), 'Description' (GESSS_TEST), 'Table Name' (GESSS_TEST_TBL), 'Context Prompt' (Context Value), and 'DFV View Name'. At the bottom right, there are two buttons: 'Reference Fields' and 'Columns'.

We need to create new structure.

Navigation: **Application Developer -> Flex Field -> Descriptive -> Segments**

Application: **Purchasing** Title: **GESSS_TEST**

☐ Freeze Flexfield Definition Segment Separator: **Period (.)**

Context Field

Prompt: **Context Value**

Value Set:

Default Value:

Reference Field:

☐ Required ☒ Displayed ☐ Synchronize with Reference Field

Context Field Values

Code	Name	Description	Enabled
Global Data Elements	Global Data Elements	Global Data Element Context	<input checked="" type="checkbox"/>
GESSS_TEST	GESSS_TEST		<input checked="" type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>

Buttons: **Compile** **Segments**

Segments Summary (GESSS_TEST) - GESSS_TEST

Number	Name	Window Prompt	Column	Value Set	Enabled
1	Test1	Test1	ATTRIBUTE2		<input checked="" type="checkbox"/>
2	Test2	Test2	ATTRIBUTE3		<input checked="" type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>

We have added the two attributes so we need to create two text item in the form. Name is Attribute2 and Attribute3.

Form layout showing: **FLOW_STATUS_D** **ATTRIB** **ATTRIB** **Submit**

The properties are bellow,

PROPERTY ATTRIBUTE	Name	Subclass information	Required	Data base Item	Column name	Data type	Maximum Length
ITEM							
ATTRIBUTE2	ATTRIBUTE2	TEXT_ITEM	No	Yes	ATTRIBUTE2	Char	250
ATTRIBUTE3	ATTRIBUTE3	TEXT_ITEM	No	Yes	ATTRIBUTE3	Char	250

Need to Create the One text item for Descriptive Flex Field purpose.

Properties as follows.

Name : ATTRIBUTE1
Sub Class : TEXT_ITEM
Required : No
Database Item : No
List Of values : Enable_List_lamp
Validate item from the list : no

Write the script as bellow,

```

-----
-- Need to Add When-New-Form-Incenance
-----

FND_DESCR_FLEX.DEFINE (
BLOCK => 'GESSS_TEST_DB',
FIELD => 'ATTRIBUTE1',
APPL_SHORT_NAME => 'PO',
DESC_FLEX_NAME => 'GESSS_TEST' );

-----
-- Need to Add When-New-Item-Instance
FND_FLEX.EVENT ( 'WHEN-NEW-ITEM-INSTANCE' );

```


➤ Moving the form into Server. (SSD4)

Login into the Server and find out the Custom Path. For example
\$GECMPO_TOP

```
corpt228v[sssadmin]_ssd4> cd $GECMPO_TOP
corpt228v[sssadmin]_ssd4> cd forms
corpt228v[sssadmin]_ssd4> cd US
corpt228v[sssadmin]_ssd4> pwd
/sssdsshr/oraappb/11.5/gesss/common/po/11.5.0/forms/US
corpt228v[sssadmin]_ssd4>
```

Login into FTP and send the file into server Mode is binary mode.

```
User (3.239.60.30:(none)): sssadmin
331 Password required for sssadmin.
Password:
230 User sssadmin logged in.
ftp> cd /sssdsshr/oraappb/11.5/gesss/common/po/11.5.0/forms/US
250 CWD command successful.
ftp> hi
200 Type set to I.
ftp> mput GESSS_TEST.fmb
mput GESSS_TEST.fmb? y
200 PORT command successful.
150 Opening BINARY mode data connection for GESSS_TEST.fmb.
226 Transfer complete.
ftp> 376832 bytes sent in 2.88Seconds 131.07Kbytes/sec.
ftp>
```

Compile form through following script. For that go to \$AU_TOP and compile the form.

```
f60gen module=$GECMPO_TOP/forms/US/GESSS_TEST.fmb
output_file=$GECMPO_TOP/forms/US/GESSS_TEST.fmx batch=no
compile all=special userid=apps/at11 antlc
```

Bellow Confirmation After the form created.

```
Compiling WHEN-BUTTON-PRESSED trigger on CANCEL_PROPERTIES item in PROGRESS_INDICATOR
No compilation errors.

FRM-30431: Warning: Duplicate column name FIRST_NAME in block GESSS_TEST_DB.

Created form file /sssdsshr/oraappb/11.5/gesss/common/po/11.5.0/forms/US/GESSS_TEST.fmx
corpt228v[sssadmin]_ssd4>
```

➤ Registering Form in our Server.

Register Form.

Navigation:- Application Developer -> Application -> Form

Form	Application	User Form Name	Description
GESSS_TEST	GECMPO - Custom/Co	Development Test	

Register Functions.

Navigation:- Application Developer -> Application -> Function

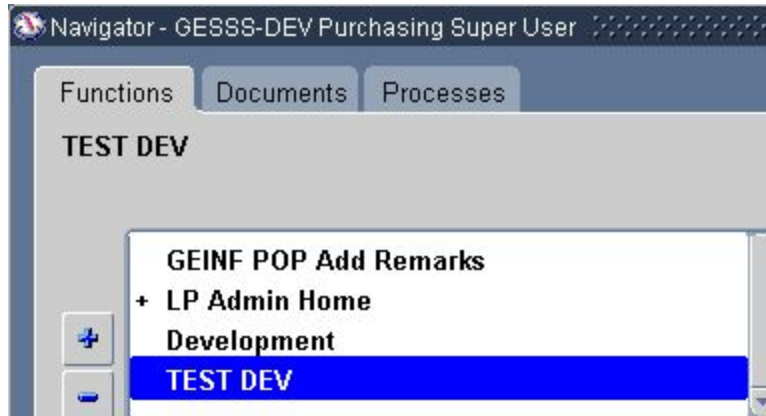
Function	Form	Application	Parameters
GESSS_TEST	Development Test	GECMPO - Custom/Co	

Attach with Menu.

Navigation:- System Administrator -> Application -> Menu

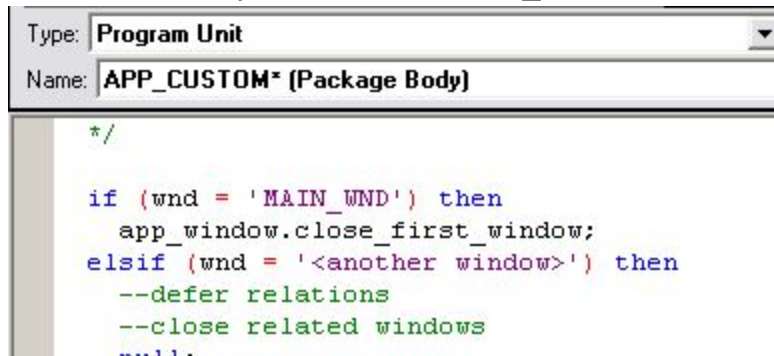
Seq	Prompt	Submenu	Function	Description	Grant
250			View Purchase Order In		<input checked="" type="checkbox"/>
260			Update Negotiated Flag		<input checked="" type="checkbox"/>
270			Purchasing		<input checked="" type="checkbox"/>
1001	GESSS Account		GECM_CHG_ACCT_DET		<input checked="" type="checkbox"/>
1002			GECM_APPL_SEL_FNC	Multiple Application Selection	<input checked="" type="checkbox"/>
1003			GECM_DFF_EXT_FNC	Generic Extended DFF Form	<input checked="" type="checkbox"/>
1100	GEINF POP Add		GEINF_ADD_REMARKS	PO Print Additional Remarks For	<input checked="" type="checkbox"/>
1101	LP Admin Home	LP Admin Home		Landing Page Admin Home	<input checked="" type="checkbox"/>
1102	Development		Employee Form For Dev		<input checked="" type="checkbox"/>
1103	TEST DEV		Development Test		<input checked="" type="checkbox"/>

From front end. Responsibility **GESSS-DEV Purchasing Super User.**

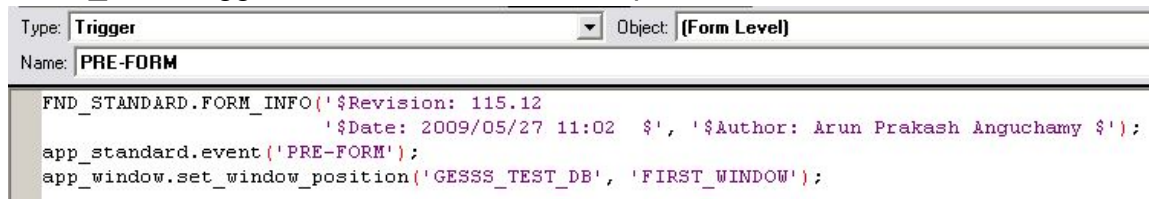


- Now we need to open the form for that we have to mention the Block Name and window name in the form.

Please write script as bellow. In APP_CUSTOM Package body.



In Pre_Form trigger Please write bellow script.



Now move the form and recompile the form in server.

Now The Forms is Ready To USE.

Attached File For Reference.

1. TEMPLATE.fmb



TEMPLATE.fmb

2. GE_TEST.fmb



GESSS_TEST.fmb

