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## Exam Questions 1Z0-151

### Oracle Fusion Middleware 11g: Build Applications with Oracle Forms

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## QUESTION 1

The Employees database table contains more columns than can be displayed at one time in a form. You create a data

block that uses all the columns. How can you enable users to interact with all the items and switch between them

without scrolling or closing anything?

- A. Define multiple content canvases and display them in multiple modeless windows.
- B. Define multiple content canvases and display them in the same modeless window.
- C. Define multiple content canvases and display them in multiple modal windows.
- D. Define multiple content canvases; display one in a modeless window and the others in modal windows.
- E. This is not possible because items from a single block must be displayed on the same canvas and window.

Correct Answer: D

Note 1:

The most common canvas type is the content canvas (the default type). A content canvas is the "base" view that

occupies the entire content pane of the window in which it is displayed. You must define at least one content canvas for

each

window you create.

Note 2:

Modal and Modeless Windows in Oracle Forms

A window in oracle forms is a container for all visual objects that make up a Forms application. You can create two

different type of windows in oracle forms. Lets have a brief comparisons between these two types of windows.

\*

Modal Window:

A modal window is a restricted window that the user must respond to before moving the input focus to another window.



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Modal windows:

Must be dismissed before control can be returned to a modeless window Become active as soon as they display

Require a means of exit or dismissal

\*

Modeless Window:

A modeless window is an unrestricted window that the user can exit freely. Modeless windows:

Can display many at once

Are not necessarily active when displayed

Are the default window type

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## QUESTION 2

Which symbol when used in an object's Property Palette, indicates an inherited property that has been changed?

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: C

## QUESTION 3

You have created a complex menu structure with several types of menu objects. To which objects would you assign

menu commands?

A. main menus

B. individual menus

C. submenus

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D. menu items

E. all of the above

Correct Answer: E

The Menu Editor is a graphical design facility for laying out, modifying, and viewing menu modules and their objects.

You can use the Menu Editor to carry out all of your menu design work.

Note:

To use the Menu Editor to create a basic structure for your menu, perform the following steps:

1 .

With the SUMMIT\_MENU module selected, perform one of the following actions to invoke the Menu Editor:

Double-click the icon to the left of the module Right-click the module and select Menu Editor Select Tools > Menu Editor

from the Forms Builder menu

2 .

When you invoke the Menu Editor, it automatically creates the main menu and one menu item. The main menu is the

menu whose items, which can be menu items or submenus, show in the menu bar when you run a form.

In the Object Navigator, change the name of the main menu to MAIN\_MENU in the same way that you changed the

name of the menu module.

3 .

In the Object Navigator, change the name of the menu item to File.

4 .

Note that the item's display label in the Menu Editor remains the same.

The label is the text that is displayed for the menu item at run time. The label may differ from the name.

You use the

name programmatically, and it must follow PL/SQL naming conventions.



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Change the label of the menu item by double-clicking in the Menu Editor and typing the new label of File.

5 .

Create two menu items under File. In the Menu Editor, select File, then click Create Down twice.

6 .

In the Menu Editor, relabel the menu items to Save and Exit.

Note that creating menu items under the File object creates a FILE\_MENU object as a menu with two items under it.

Also, when you relabel the items in the Menu Editor, the names of the items, as shown in the Object Navigator, also

change.

7 .

Create another submenu of the main menu and label it Edit by performing the following steps:

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In the Menu Editor, select the File node.

Click Create Right.

Relabel the new menu Edit.

8 .

In a similar fashion to the way you created the File menu items, create two items for the Edit menu labeled Copy and

Paste.

9 .

You can also use the Object Navigator to add a menu item.

Under the Edit\_Menu in the Object Navigator, select the Items node and click Create.

10 .

In the same way as you did with other items, relabel the new item in the Menu Editor with the label Cut, which also

renames it in the Object Navigator.

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Reference: Creating Oracle Forms Menus

#### QUESTION 4

You have a form with a single multi-record block. During a session, a user performs an insert and clicks Save What is

the behavior of the record being inserted violates a database constraint?

A. The record is posted to the database but not committed. The form redisplay the record with an error message so

that the user can correct the data. Navigation to another record cannot occur until the correct data is committed or the

new record is deleted. If the user exits the form without correcting the entry, a database rollback is performed.

B. The record is committed to the database. The form redisplay the record with an error message so that the user can

correct the data. The user is unable to exit the form or move to another record until the correct data is committed of the

new record is deleted.

C. A database rollback is performed. The form redisplay the record with an error message so that the user can correct

the entry. The user is able to navigate to another record or exit the form.

D. A database rollback is performed. The form redisplay the record with an error message so that an correct the entry.

Navigation to another record cannot occur until the correct data is committed or the record is deleted.

E. The record is committed to the database. The form redisplay the record with a warning in case the user would like to

correct the entry. The user is able to navigate to another record or exit the form.

Correct Answer: A

#### QUESTION 5

The Credit\_Rating item in the Customers block of an Order Entry form must be restricted to three possible values:

Good, Poor, or Null (the latter value indicates that the credit rating has not been determined). Order entry clerks must be

able to update this item to any of the preceding three values.



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You want to change the item to a check box labeled "Credit Risk" that should be selected if the customer has poor

credit, the check box should not be selected if the customer's credit rating is good or undetermined.

You change the item type to Checkbox, set other properties as shown in the Exhibit, and then run your form and insert

three records: two with good credit and the check box deselected, and one with poor credit and the check box selected.

You commit the data and query the records, with the following result set:

The first two records show an undetermined credit rating, although your intention was to set the value to Good for these

customers. What change must you make in the properties of the Credit\_Rating item to enable values of Good, Poor,

and Null to be entered?

- A. Change the initial Value property to Good.
- B. Change the Check Box Mapping of Other Values property to Not Allowed.
- C. Change the initial Value property to Good and the Value When Unchecked property to Null.

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D. Change the initial Value property to Good and the Check Box Mapping of Other Values property to Null.

E. Change the initial Value property to Good and the Check Box Mapping of Other Values property to checked.

F. Change the item type. It is not appropriate to use a check box to enable entry and update of more than two values in

an item.

Correct Answer: E

Incorrect answers:

F: A check box is not limited to two values.



## QUESTION 6

In an Order Entry form, the Order\_Items block has a text item called Shipping Date, which is of the Date data type. The

Lowest Allowed Value and the Highest Allowed Value properties are not defined for this item.

Assuming that the following are defined, which three are valid settings for the initial Value = property of the

Shipping\_Date Item?

- A. \$\$DBDATE\$\$
- B. :Orders.Order\_Date + 3
- C. SYSDATE

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- D. :GLOBAL.SHIP\_DATE
- E. :PARAMETER.SHIP
- F. ORDER\_ITEMS\_SEQ

Correct Answer: ACD

A: Use \$\$DATE\$\$, \$\$DATETIME\$\$, and \$\$TIME\$\$ to obtain the local system date/time; use \$\$DBDATE\$\$,

\$\$DBDATETIME\$\$, and \$\$DBTIME\$\$ to obtain the database date/time, which may differ from the local system

date/time when, for example, connecting to a remote database in a different time zone. ,, Use these variables only to set

the

value of the Initial Value, Highest Allowed Value or Lowest Allowed Value property.

Incorrect answers:

B: This would work within a trigger.

## QUESTION 7

You have a form that called a database stored procedure. You do not want processing to continue, so immediately after





the call to the stored procedure, you add the following code:

```
IF NOT FORM_SUCCESS THEN  
MESSAGE (\\'Stored Procedure failure\\');  
RAISE FORM_TRIGGER_FAILURE;  
END IF;
```

You test the code and input some data that intentionally causes the stored procedure to fail. However, the message that

you defined does not appear. What are two possible reasons for this?

- A. You must handle database errors in an exception clause of the trigger.
- B. You must test for FORM\_FAILURE when testing for failure of a stored procedure.
- C. You must test for FORM\_FATAL when testing for failure of a stored procedure.
- D. FORM\_SUCCESS tests for failure of Forms built-ins, not stored procedures.
- E. You cannot test for failure of a stored procedure, because database errors are transparent to Forms.

Correct Answer: AD

A: You should use DBMS\_ERROR\_CODE and DBMS\_ERROR\_TEXT in an ON-ERROR trigger to trap errors propagated from Oracle server from Forms.

Note: FORM\_SUCCESS and FORM\_TRIGGER\_FAILURE

Either the FORM\_SUCCESS built-in or the FORM\_TRIGGER\_FAILURE exception must be used to handle all Forms

errors. FORM\_SUCCESS is a Boolean function that evaluates to TRUE or FALSE depending on the success or failure

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of a Forms built-in. FORM\_TRIGGER\_FAILURE is an exception that has to be raised to stop further processing

whenever an error occurs or FORM\_SUCCESS evaluates to FALSE. The following sections describe their use in errormessage handling.

## QUESTION 8

The Orders form, whose properties have not been changed from the default, has two non-base table text items to



display the sales representative's first and last names.

You want to ensure that entries made in these Items correspond to an existing employee, so you write a When-ValidateItem trigger for the Sales\_Rep\_First\_Name text item:

```
SELECT LAST_NAME Into :last_name FROM employees WHERE first_name = :first_name; EXCEPTION  
WHEN
```

```
NO_DATA_FOUND THEN MESSAGE (\\'There is no sales rep by this name\\');
```

When you test the form and enter a first name that does not exist in the database, the message that you specified

appears, but the cursor goes to the Sales\_Rep\_Last\_Name item. You want the cursor to remain in the Sales\_Rep\_\_First Name item until a correct first name is entered.

Also, as you continue to test the form, at times, the cursor does not leave the Sales\_Rep\_First\_Name item after you

enter a name, but no error message appears.

Which two things can you do to correct these problems?

- A. Add the code to handle the FORM\_TRIGGER\_FAILURE exception.
- B. Raise the FORM\_TRIGGER\_FAILURE exception.
- C. Add code to handle the TOO\_MANY\_ROWS exception.
- D. Raise the TOO\_MANY\_ROWS exception.
- E. Code an On-Error trigger.
- F. Code an On-Message trigger.
- G. Write a When-Validate-Item trigger for the Sales\_Rep\_Last\_Name item.
- H. Move the code to a form-level When-Validate-Item trigger.
- I. Change the form's validation Unit property to Record.

Correct Answer: AC

A: FORM\_TRIGGER\_FAILURE Exception

Triggers fail only when one of the following occurs:

\*An unhandled exception

\*When you request the trigger to fail by raising the built-in exception FORM\_TRIGGER\_FAILURE This exception is

defined and handled by Forms Builder, beyond the visible trigger text that youwrite. You can raise this exception:



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\* In the executable part of a trigger, to skip remaining actions and fail the trigger \*In an exception handler, to fail the

trigger after your own exception-handling actions have been obeyed In either case, Forms Builder has its own exception

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handler for FORM\_TRIGGER\_FAILURE , which fails the trigger but does not cause an unhandled exception. This

means that you can fail the trigger in a controlled manner.

C: When you use SELECT in a PL/SQL block, it's important to make sure that exactly one row will always be returned

by your query. If more than one row is returned, the TOO\_MANY\_ROWS exception occurs.

Note 1\_ When-Validate-Item fires when Forms validates an item.

Note 2: The scope of a trigger is determined by its position in the formobject hierarchy--that is, the type of object under

which you create the trigger. There are three possible levels that answer the "What Level?" question in the slide

graphic:?

Form level:

The trigger belongs to the form and can fire due to events across the entire form. ?Block level:

The trigger belongs to a block and can fire only when this block is the current block. ?Item level:

The trigger belongs to an individual item and can fire only when this item is the current item

## QUESTION 9

Customers log in to your Orders application by using their customer ID, which is saved as a global variable. When the

Orders form first comes up, you want it to be populated with the customer's orders, and you do not want customers to

be

able to query for another customer's orders.

You code the following triggers:

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When-New Form instance on the Orders form:

```
GO_BLOCK(\\'orders\\');
```

```
EXECUTE_QUERY;
```

You also have a button in the Control block labeled Query Orders with a When-Button Pressed trigger that has the

same code as the When New-Form instance trigger. To test the form, you run it and log in a Customer 104. When you

click

Query Orders, all orders are shown, not just those for Customer 104.

What is the best way to correct this issue to ensure that the customer can never query another customer\\'s orders?

A. Delete the Key-Exeqry trigger and add the its first line after the call to GO\_BLOCK in the When-New-Form-instance

trigger.

B. Change the last line of the When-Button-Pressed code to: DO\_KEY (\\'EXECUTE\_QUERY\\');

C. Delete the Key-Exqry trigger and put its code in an On-Select trigger.

D. Delete the Key-Exqry trigger and put its code in a Pre-Query trigger.

Correct Answer: B

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Note: EXECUTE\_QUERY procedure Clears the current block, opens a query, and fetches anumber of selected records.

If there are changes tocommit, Forms Builder prompts the operator to committhem before continuing EXECUTEQUERYprocessing

## QUESTION 10

Which two actions are always necessary when deploying Forms applications that were developed on Windows platform

to a UNIX middle tier server?

A. moving the forms executable files from the development machine to the middle-tier machine

B. compiling the Forms modules on the middle tier machine

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- C. creating a menu module for the application
- D. compiling the Forms modules on the development machine
- E. moving the Forms source files from the development machine to the middle tier machine
- F. creating a Forms PL/SQL library file to contain the application logic
- G. installing forms Builder on the middle-tier machine

Correct Answer: AD

Once you have created your application in Forms Developer, you are ready for application Web deployment. Oracle

Forms Services accesses an application in Oracle Fusion Middleware through a specified URL. The URL then accesses

the

HTTP Listener, which communicates with the Listener Servlet. The Listener Servlet starts a Forms run-time process

(frmweb.exe on Windows or frmweb on UNIX and Linux) for each Forms Services session.

Note:

To deploy a basic form with the default parameters set up by the installer:

1.

Create your application in Forms Developer and save it. The .fmb file is a design time file that can only be opened in

Forms Developer. The .fmx file is the run-time file created when you compile the .fmb and is used for Web deployment.

2.

Modify the formsweb.cfg file so that Oracle Forms Services can access your application module.

3.

Make sure the .fmx file location is specified in the FORMS\_PATH environment variable.

4.

To modify an environment file, select the file in the Environment Configuration page of Fusion Middleware Control and

add or edit environment variables as needed by your application



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