

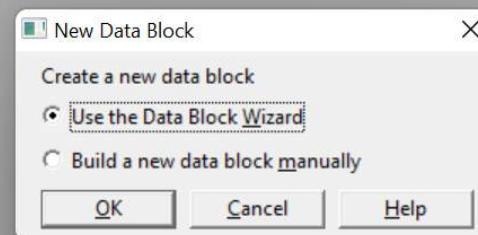


Object Navigator

Find: []

Forms

- LIBRARY_PROJECT_MO
 - Triggers
 - Alerts
 - Attached Libraries
 - Data Blocks
 - Canvases
 - Editors
 - Events
 - LOVs
 - Object Groups
 - Parameters
 - Popup Menus
 - Program Units
 - Property Classes
 - Record Groups
 - Reports
 - Visual Attributes
 - Windows
- Menus
- PL/SQL Libraries
- Object Libraries
- Built-in Packages
- Database Objects



Build a new block using the Data Block Wizard

Mod: _PROJECT_MODULE File: roject\LIBRARY_PROJECT_MODULE.fmb



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Object Navigator

- + Forms
- LIBRARY_PROJECT_MO
 - Triggers
 - Alerts
 - Attached Libraries
 - Data Blocks
 - Canvases
 - Editors
 - Events
 - LOVs
 - Object Groups
 - Parameters
 - Popup Menus
 - Program Units
 - Property Classes
 - Record Groups
 - Reports
 - Visual Attributes
 - Windows
- Menus
- PL/SQL Libraries
- Object Libraries
- Built-in Packages
- Database Objects

Data Block Wizard

Select the type of data block you would like to create by clicking on a radio button below.

Note: To base your data block on a set of stored procedures, you should have a working knowledge of PL/SQL programming.

Table or View

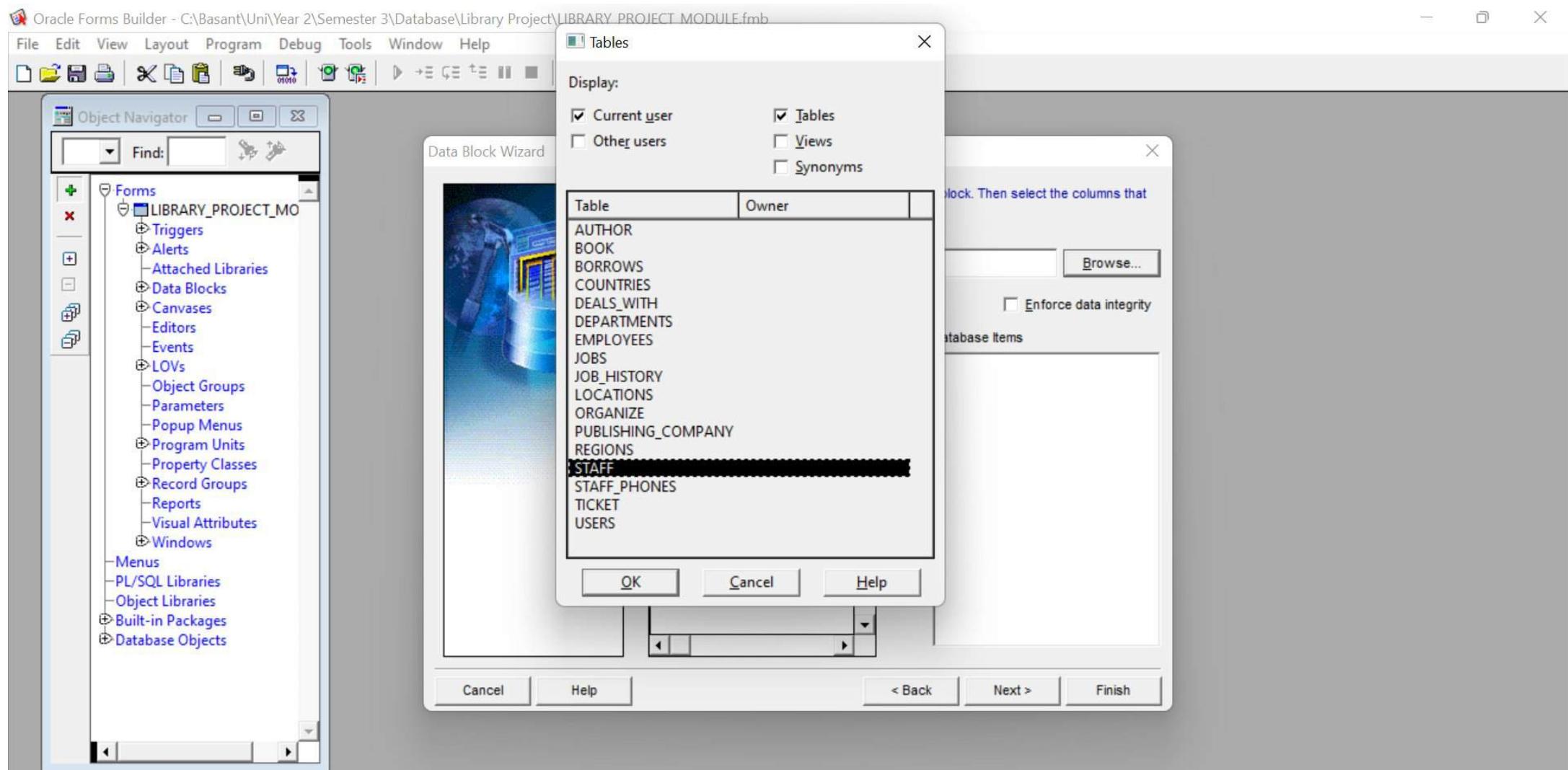
Stored Procedure

Cancel | Help | < Back | Next > | Finish

Close the window (saving any changes that may have been made).

Mod: _PROJECT_MODULE File: rojectLIBRARY_PROJECT_MODULE.fmb



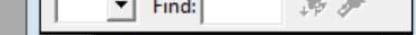
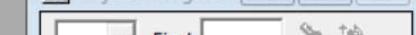
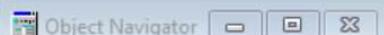


Query the current user table space.

Mod: _PROJECT_MODULE File: roject\LIBRARY_PROJECT_MODULE.fmb



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12/6/2025



Object Navigator

Find: 

- + Forms
- LIBRARY_PROJECT_MO
 - Triggers
 - Alerts
 - Attached Libraries
 - Data Blocks
 - Canvases
 - Editors
 - Events
 - LOVs
 - Object Groups
 - Parameters
 - Popup Menus
 - Program Units
 - Property Classes
 - Record Groups
 - Reports
 - Visual Attributes
 - Windows
- Menus
- PL/SQL Libraries
- Object Libraries
- Built-in Packages
- Database Objects

Data Block Wizard



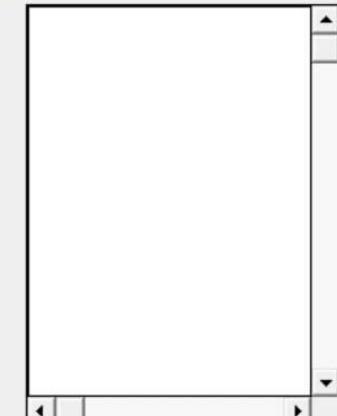
Enter a table or view on which to base your data block. Then select the columns that should appear as items.

Table or view:

STAFF

 Enforce data integrity

Available Columns



Database Items

- STAFF_ID
- STAFF_NAME
- STAFF_EMAIL
- STAFF_BIRTHDATE
- STAFF_SALARY
- STAFF_TYPE
- STAFF_TYPING_SPEED





Object Navigator

Find:

Forms

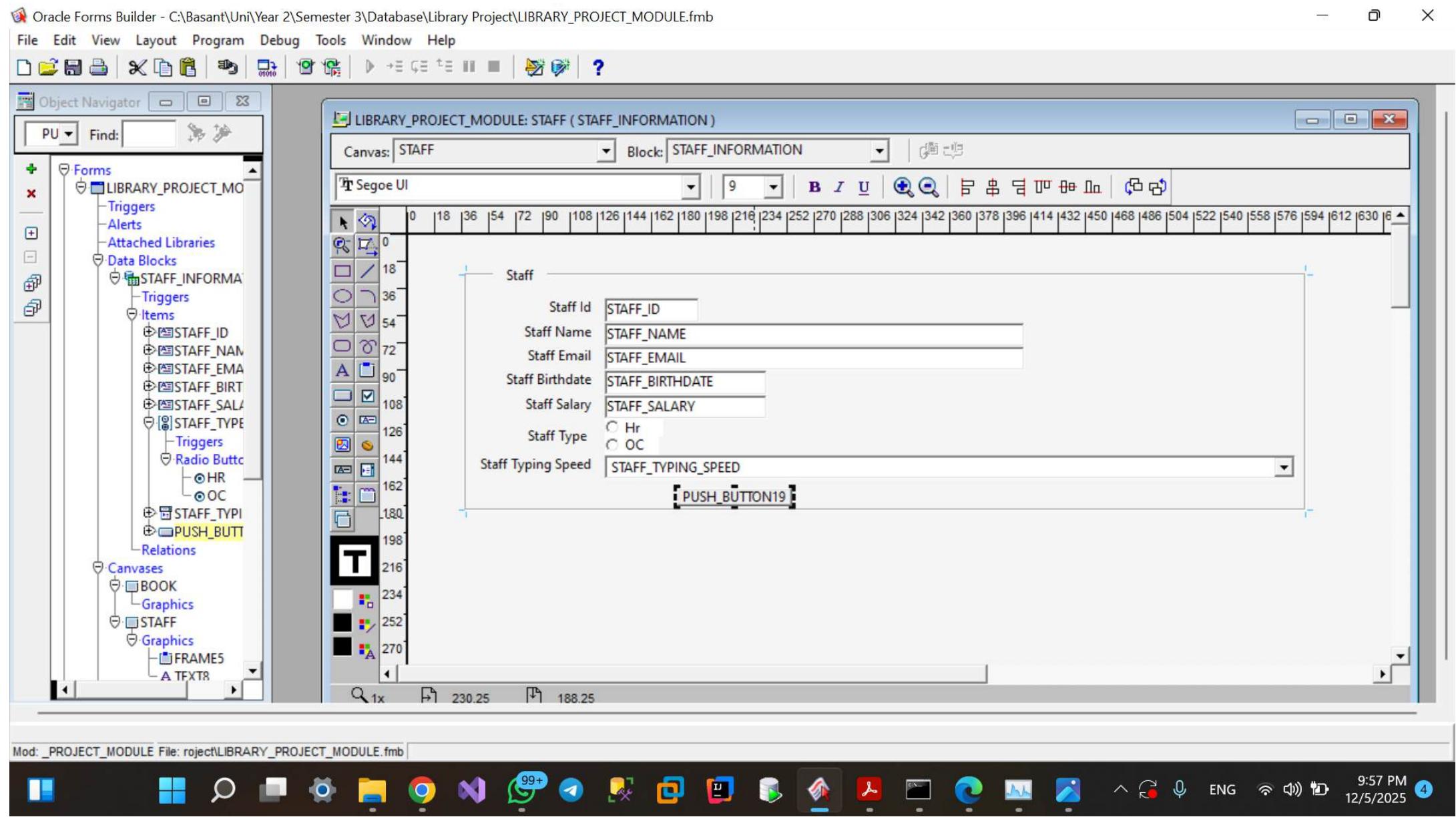
- LIBRARY_PROJECT_MO
 - Triggers
 - Alerts
 - Attached Libraries
 - Data Blocks
 - Canvases
 - Editors
 - Events
 - LOVs
 - Object Groups
 - Parameters
 - Popup Menus
 - Program Units
 - Property Classes
 - Record Groups
 - Reports
 - Visual Attributes
 - Windows
- Menus
- PL/SQL Libraries
- Object Libraries
- Built-in Packages
- Database Objects

Data Block Wizard

Enter a name for your data block.

Data Block Name:

Cancel Help < Back Next > Finish



Find:

Item: SAVE

General

Name	SAVE
Item Type	Push Button
Subclass Information	
Comments	
Help Book Topic	

Functional

Enabled	Yes
Label	Save
Access Key	
Implementation Class	
Iconic	No
Icon Filename	
Default Button	No
Popup Menu	<Null>

Navigation

Keyboard Navigable	Yes
Mouse Navigate	Yes
Previous Navigation Item	<Null>
Next Navigation Item	<Null>

Records

Text label displayed for item or parameter.

Mod: _PROJECT_MODULE File: roject\LIBRARY_PROJECT_MODULE.fmb

9:57 PM
12/5/2025

Object Navigator

SA Find:

Forms LIBRARY_PROJECT_MO

- Triggers
- Alerts
- Attached Libraries

Data Blocks STAFF_INFORMATION

- Triggers
- Items
- STAFF_ID
- STAFF_NAME
- STAFF_EMAIL
- STAFF_BIRTHDATE
- STAFF_SALARY
- STAFF_TYPE
 - Triggers
 - Radio Buttons
 - HR
 - OC
 - STAFF_TYPING_SPEED
 - Triggers
 - WHEN-NEW-ITEM-INSTANCE
 - WHEN-BUTTON-PRESSED
 - WHEN-CUSTOM-ITEM-EVENT
 - Other
- Relations
- Canvases BOOK
- Graphics STAFF

Canvas: STAFF Block: STAFF_INFORMATION

Segoe UI 9

Staff

Staff Id	STAFF_ID
Staff Name	STAFF_NAME
Staff Email	STAFF_EMAIL
Staff Birthdate	STAFF_BIRTHDATE
Staff Salary	STAFF_SALARY
Staff Type	<input type="radio"/> Hr <input type="radio"/> OC
Staff Typing Speed	STAFF_TYPING_SPEED

Save

Cut Ctrl+X
Copy Ctrl+C
Paste Ctrl+V

Property Palette
PL/SQL Editor
Data Block Wizard
Layout Wizard
Update Layout
SmartTriggers
SmartClasses
Help

WHEN-NEW-ITEM-INSTANCE
WHEN-BUTTON-PRESSED
WHEN-CUSTOM-ITEM-EVENT
Other

discord.com is sharing your screen.

Stop sharing

Hide

Oracle Forms Builder - C:\Basant\Uni\Year 2\Semester 3\Database\Library Project\LIBRARY_PROJECT_MODULE.fmb - [PL/SQL Editor]

File Edit View Layout Program Debug Tools Window Help



Name: WHEN-BUTTON-PRESSED

Type: Trigger

Object: STAFF_INFORMATION

SAVE

1 Commit;

2

Not Modified

|| discord.com is sharing your screen.

Stop sharing

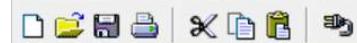
Hide

Not Compiled

Mod: _PROJECT_MODULE File: roject\LIBRARY_PROJECT_MODULE.fmb



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12/5/2025



Object Navigator

- Forms
- LIBRARY_PROJECT_MO
 - Triggers
 - Alerts
 - Attached Libraries
 - Data Blocks
 - STAFF_INFORMATION
 - Triggers
 - Items
 - Relations
- Canvases
 - CANVAS20
 - STAFF
 - Graphics
 - FRAMES
 - TEXT8
- Editors
- Events
- LOVs
- Object Groups
- Parameters
- Popup Menus
- Program Units
- Property Classes
- Record Groups
- Reports
- Visual Attributes
- Windows

MODUII F2

LIBRARY_PROJECT_MODULE: STAFF (STAFF_INFORMATION)

Canvas: STAFF Block: <Null>

Segoe UI

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0	18	36	54	72	90	108	126	144	162	180	198	216	234	252	270	288	306	324	342	360	378	396	414	432	450	468	486	504	522	540	558	576	594	612	630	6
---	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---

New Data Block

- Use the Data Block Wizard
 Build a new data block manually

OK

Cancel

Help

Staff Birthdate STAFF_BIRTHDATE

Staff Salary STAFF_SALARY

Staff Type Hr OC

Staff Typing Speed STAFF_TYPING_SPEED

Save

Build a new block using the Data Block Wizard

Mod: _PROJECT_MODULE File: rojectLIBRARY_PROJECT_MODULE.fmb

10:59 PM
12/5/2025



Object Navigator

- Forms
- LIBRARY_PROJECT_MODULE
 - Triggers
 - Alerts
 - Attached Libraries
 - Data Blocks
 - STAFF_INFORMATION
 - Triggers
 - Items
 - Relations
 - Canvases
 - CANVAS20
 - STAFF
 - Graphics
 - FRAMES
 - TEXT8
 - Editors
 - Events
 - LOVs
 - Object Groups
 - Parameters
 - Popup Menus
 - Program Units
 - Property Classes
 - Record Groups
 - Reports
 - Visual Attributes
 - Windows
- MODUII.F2

LIBRARY_PROJECT_MODULE: STAFF (STAFF_INFORMATION)

Data Block Wizard



Select the type of data block you would like to create by clicking on a radio button below.

Note: To base your data block on a set of stored procedures, you should have a working knowledge of PL/SQL programming.

Table or View

Stored Procedure

Cancel

Help

< Back

Next >

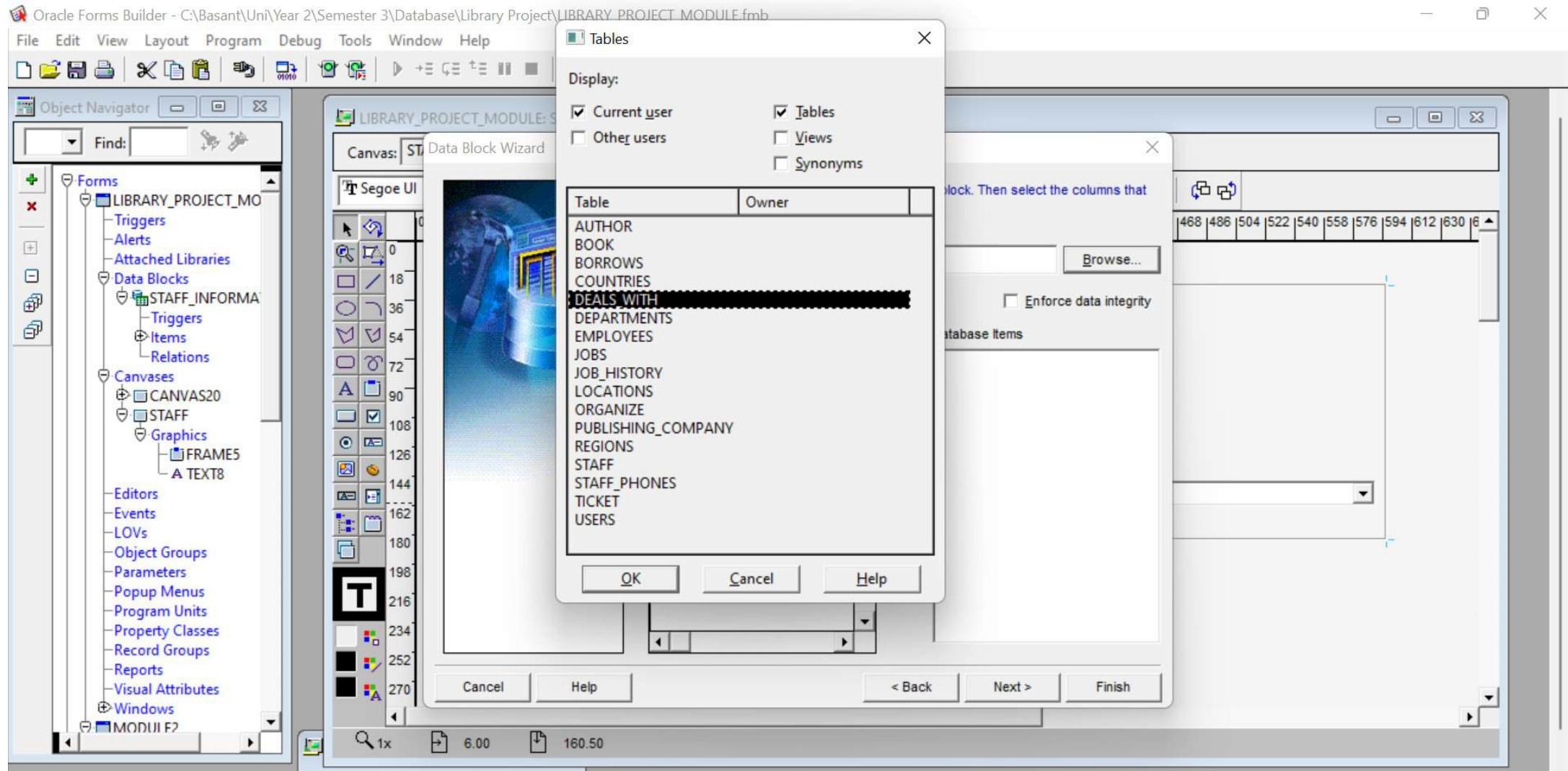
Finish

468	486	504	522	540	558	576	594	612	630	648
1	2	3	4	5	6	7	8	9	10	11

Close the window (saving any changes that may have been made).

Mod: _PROJECT_MODULE File: rojectLIBRARY_PROJECT_MODULE.fmb







Object Navigator

- Forms
- LIBRARY_PROJECT_MODULE
 - Triggers
 - Alerts
 - Attached Libraries
 - Data Blocks
 - STAFF_INFORMATION
 - Triggers
 - Items
 - Relations
 - Canvases
 - CANVAS20
 - STAFF
 - Graphics
 - FRAMES
 - TEXT8
 - Editors
 - Events
 - LOVs
 - Object Groups
 - Parameters
 - Popup Menus
 - Program Units
 - Property Classes
 - Record Groups
 - Reports
 - Visual Attributes
 - Windows
- MODUII.F2

LIBRARY_PROJECT_MODULE: STAFF (STAFF_INFORMATION)

Data Block Wizard



Enter a table or view on which to base your data block. Then select the columns that should appear as items.

Table or view:

DEALS_WITH

 Enforce data integrity

Available Columns

Database Items

HR_ID

USER_ID

Mod: _PROJECT_MODULE File: rojectLIBRARY_PROJECT_MODULE.fmb

10:59 PM
12/5/2025



Object Navigator

- Forms
- LIBRARY_PROJECT_MODULE
 - Triggers
 - Alerts
 - Attached Libraries
 - Data Blocks
 - STAFF_INFORMATION
 - Triggers
 - Items
 - Relations
 - Canvases
 - CANVAS20
 - STAFF
 - Graphics
 - FRAMES
 - TEXT8
 - Editors
 - Events
 - LOVs
 - Object Groups
 - Parameters
 - Popup Menus
 - Program Units
 - Property Classes
 - Record Groups
 - Reports
 - Visual Attributes
 - Windows
- MODUII F2

LIBRARY_PROJECT_MODULE: STAFF (STAFF_INFORMATION)

Data Block Wizard



You may optionally create and delete master-detail relationships to other data blocks in your form.

Auto-join data blocks

Detail Item

HR_ID

Master Data Blocks

STAFF_INFORMATION

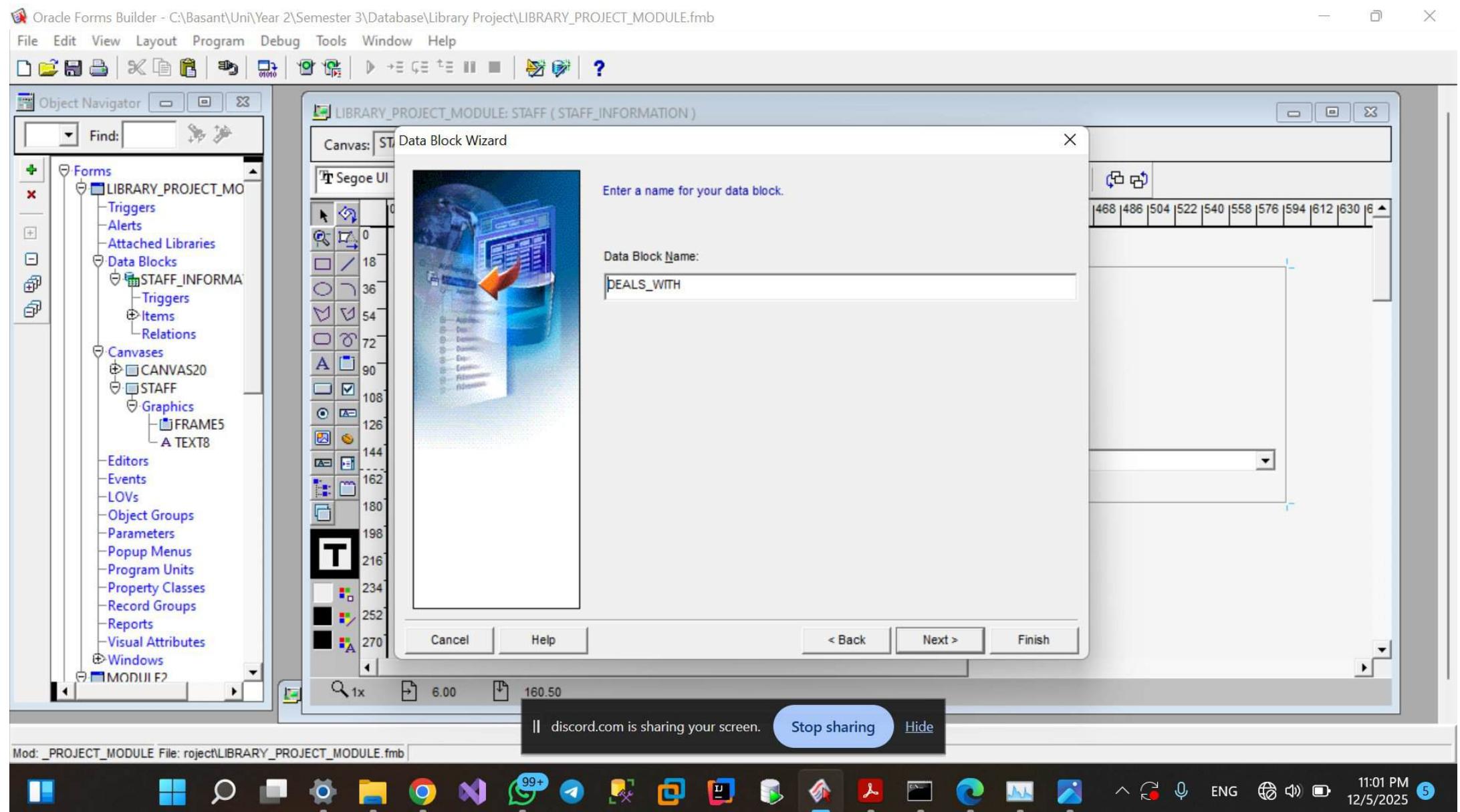
Master Item

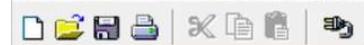
STAFF_ID

Join Condition

DEALS_WITH.HR_ID = STAFF_INFORMATION.STAFF_ID







Object Navigator

- Forms
- LIBRARY_PROJECT_MODULE
 - Triggers
 - Alerts
 - Attached Libraries
 - Data Blocks
 - STAFF_INFORMATION
 - Triggers
 - Items
 - Relations
 - Canvases
 - CANVAS20
 - STAFF
 - Graphics
 - FRAMES
 - TEXT8
 - Editors
 - Events
 - LOVs
 - Object Groups
 - Parameters
 - Popup Menus
 - Program Units
 - Property Classes
 - Record Groups
 - Reports
 - Visual Attributes
 - Windows
- MODUII.F2

LIBRARY_PROJECT_MODULE: STAFF (STAFF_INFORMATION)

Data Block Wizard



Congratulations!

You have finished describing your data block.

Before you click Finish to create your new data block, click a radio button to tell the Data Block Wizard what you want to do next.

Create the data block, then call the Layout Wizard

Just create the data block

You can also use the Data Block Wizard to modify your existing data blocks.

Simply select the data block in the Object Navigator and click the Data Block Wizard toolbar button, or choose 'Data Block Wizard' from the 'Tools' menu.

Cancel

Help

< Back

Next >

Finish

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Stop sharing

Hide





Object Navigator

- DEA
- Forms
- LIBRARY_PROJECT_MODULE
 - Triggers
 - Alerts
 - Attached Libraries
 - Data Blocks
 - STAFF_INFORMATION
 - Triggers
 - Items
 - Relations
 - Canvases
 - CANVAS20
 - STAFF
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 - FRAMES
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 - Editors
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 - LOVs
 - Object Groups
 - Parameters
 - Popup Menus
 - Program Units
 - Property Classes
 - Record Groups
 - Reports
 - Visual Attributes
 - Windows
- MODUII F2

LIBRARY_PROJECT_MODULE: STAFF (STAFF_INFORMATION)

Layout Wizard



Select the canvas on which you wish to lay out the data block's items. If you are creating a new canvas, also be sure to select the appropriate canvas type.

Canvas:

STAFF

Type:

Content

If you select a tab canvas, then you also must select a tab page on which to lay out the data block's items.

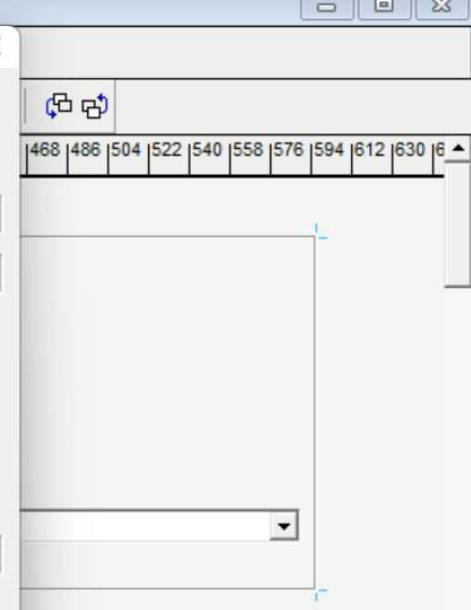
Tab Page:

(New Tab Page)

< Back

Next >

Finish



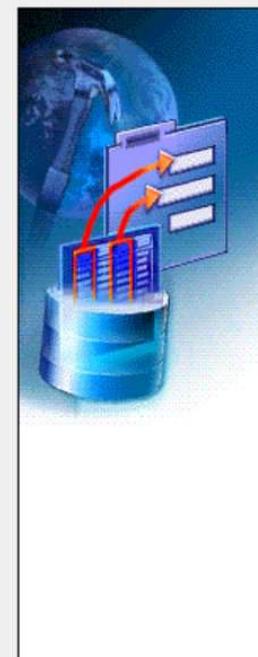


Object Navigator

- DEA
- Forms
- LIBRARY_PROJECT_MODULE
 - Triggers
 - Alerts
 - Attached Libraries
 - Data Blocks
 - STAFF_INFORMATION
 - Triggers
 - Items
 - Relations
 - Canvases
 - CANVAS20
 - STAFF
 - Graphics
 - FRAMES5
 - TEXT8
 - Editors
 - Events
 - LOVs
 - Object Groups
 - Parameters
 - Popup Menus
 - Program Units
 - Property Classes
 - Record Groups
 - Reports
 - Visual Attributes
 - Windows
- MODUII F2

LIBRARY_PROJECT_MODULE: STAFF (STAFF_INFORMATION)

Layout Wizard



Select the data block you wish to lay out. Then select the items that should be displayed in the frame, and select an item type for each.

Data Block: DEALS_WITH

Available Items

--

Displayed Items

HR_ID
USER_ID

>
>>
<<
<

Item Type: Bean Area

View: Group

Cancel

Help

< Back

Next >

Finish

468	486	504	522	540	558	576	594	612	630	6





Object Navigator

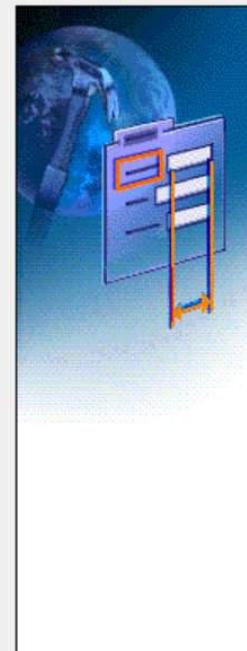
DEA Find:

- Forms
- LIBRARY_PROJECT_MODULE
- Triggers
- Alerts
- Attached Libraries
- Data Blocks
 - STAFF_INFORMATION
- Canvases
 - CANVAS20
 - STAFF
 - Graphics
 - FRAMES5
 - TEXT8
- Editors
- Events
- LOVs
- Object Groups
- Parameters
- Popup Menus
- Program Units
- Property Classes
- Record Groups
- Reports
- Visual Attributes
- Windows
- MODUII F2

LIBRARY_PROJECT_MODULE: STAFF (STAFF_INFORMATION)

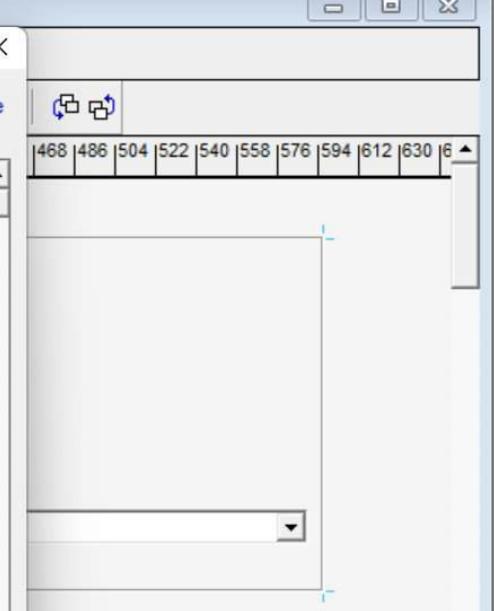
Canvas: STAFF

Segoe UI



Enter a prompt, width, and height for each item. The units for item width and height are Points.

Name	Prompt	Width	Height
HR_ID	Hr Id	63	16
USER_ID	User Id	63	16



Cancel

Help

< Back

Next >

Finish





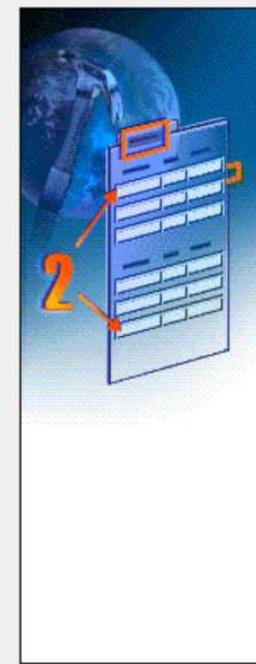
Object Navigator

DEA Find:

- Forms
- LIBRARY_PROJECT_MODULE
- Triggers
- Alerts
- Attached Libraries
- Data Blocks
 - STAFF_INFORMATION
 - Triggers
 - Items
 - Relations
- Canvases
 - CANVAS20
 - STAFF
 - Graphics
 - FRAMES
 - TEXT8
- Editors
- Events
- LOVs
- Object Groups
- Parameters
- Popup Menus
- Program Units
- Property Classes
- Record Groups
- Reports
- Visual Attributes
- Windows
- MODUII F2

LIBRARY_PROJECT_MODULE: STAFF (STAFF_INFORMATION)

Layout Wizard



Enter a title for the frame. Also be sure to specify the number of database records to be displayed in the frame, as well as the distance between each record.

To display a scrollbar in the frame that can be used to scroll through database records, check the 'Display Scrollbar' check box.

Frame Title: Deals_With

Records Displayed: 1

Distance Between Records: 0

 Display Scrollbar

Cancel

Help

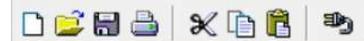
< Back

Next >

Finish

468	486	504	522	540	558	576	594	612	630	648
1	2	3	4	5	6	7	8	9	10	11





Object Navigator

- + Forms
- LIBRARY_PROJECT_MO
- + Triggers
- + Alerts
- + Attached Libraries
- + Data Blocks
 - + STAFF_INFORMATION
 - + DEALS_WITH
- + Canvases
 - CANVAS20
 - STAFF
 - Graphics
 - FRAMES5
 - TEXT8
 - FRAME26
- Editors
- Events
- LOVs
- Object Groups
- Parameters
- Popup Menus
- + Program Units
 - + CHECK_PACKAGE
 - + CLEAR_ALL_MAS
 - + QUERY_MASTER
- Property Classes
- Record Groups
- Reports
- Visual Attributes

LIBRARY_PROJECT_MODULE: STAFF (STAFF_INFORMATION)

Canvas: STAFF

Block: <Null>

Segoe UI

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New Data Block

 Use the Data Block Wizard
 Build a new data block manuallyStaff Birthdate Staff Salary Staff Type Hr OCStaff Typing Speed

Save

Deals_With

Hr Id User Id

Build a new block using the Data Block Wizard

Mod: _PROJECT_MODULE File: rojectLIBRARY_PROJECT_MODULE.fmb



11:17 PM

12/5/2025



Object Navigator

Forms
LIBRARY_PROJECT_MO
Triggers
Alerts
Attached Libraries
Data Blocks
STAFF_INFORMATION
DEALS_WITH
Canvases
CANVAS20
STAFF
Graphics
FRAMES5
TEXT8
FRAME26
Editors
Events
LOVs
Object Groups
Parameters
Popup Menus
Program Units
CHECK_PACKAGE
CLEAR_ALL_MASTER
QUERY_MASTER
Property Classes
Record Groups
Reports
Visual Attributes

LIBRARY_PROJECT_MODULE: STAFF (STAFF_INFORMATION)

Data Block Wizard



Select the type of data block you would like to create by clicking on a radio button below.

Note: To base your data block on a set of stored procedures, you should have a working knowledge of PL/SQL programming.

Table or View

Stored Procedure

Cancel

Help

< Back

Next >

Finish

1x 0.75 44.25

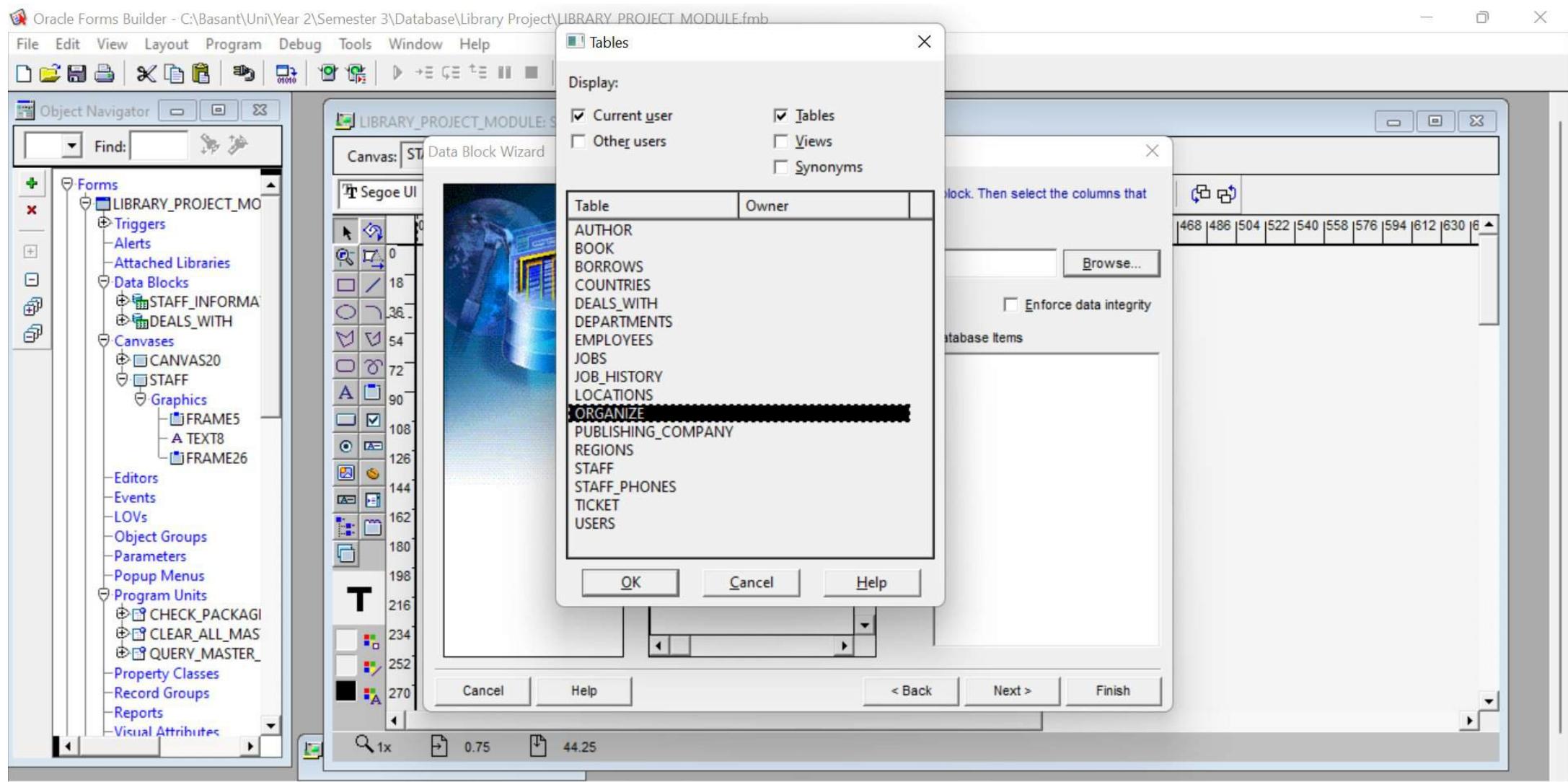
Close the window (saving any changes that may have been made).

Mod: _PROJECT_MODULE File: rojectLIBRARY_PROJECT_MODULE.fmb



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12/5/2025



Object Navigator

- Forms
- LIBRARY_PROJECT_MO
- Triggers
- Alerts
- Attached Libraries
- Data Blocks
 - STAFF_INFORMATION
 - DEALS_WITH
- Canvases
 - CANVAS20
 - STAFF
 - Graphics
 - FRAMES5
 - TEXT8
 - FRAME26
- Editors
- Events
- LOVs
- Object Groups
- Parameters
- Popup Menus
- Program Units
 - CHECK_PACKAGE
 - CLEAR_ALL_MASTER
 - QUERY_MASTER
- Property Classes
- Record Groups
- Reports
- Visual Attributes

LIBRARY_PROJECT_MODULE: STAFF (STAFF_INFORMATION)

Data Block Wizard



Enter a table or view on which to base your data block. Then select the columns that should appear as items.

Table or view:

ORGANIZE

 Enforce data integrity

Available Columns

STAFF_ID	BOOK_ID
468	486

1x

0.75

44.25





Object Navigator

- Forms
- LIBRARY_PROJECT_MO
- Triggers
- Alerts
- Attached Libraries
- Data Blocks
 - STAFF_INFORMATION
 - DEALS_WITH
- Canvases
 - CANVAS20
 - STAFF
 - Graphics
 - FRAMES5
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- Editors
- Events
- LOVs
- Object Groups
- Parameters
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 - CHECK_PACKAGE
 - CLEAR_ALL_MASTER
 - QUERY_MASTER
- Property Classes
- Record Groups
- Reports
- Visual Attributes

LIBRARY_PROJECT_MODULE: STAFF (STAFF_INFORMATION)

Data Block Wizard



You may optionally create and delete master-detail relationships to other data blocks in your form.

Auto-join data blocks

Master Data Blocks

STAFF_INFORMATION

Detail Item

STAFF_ID

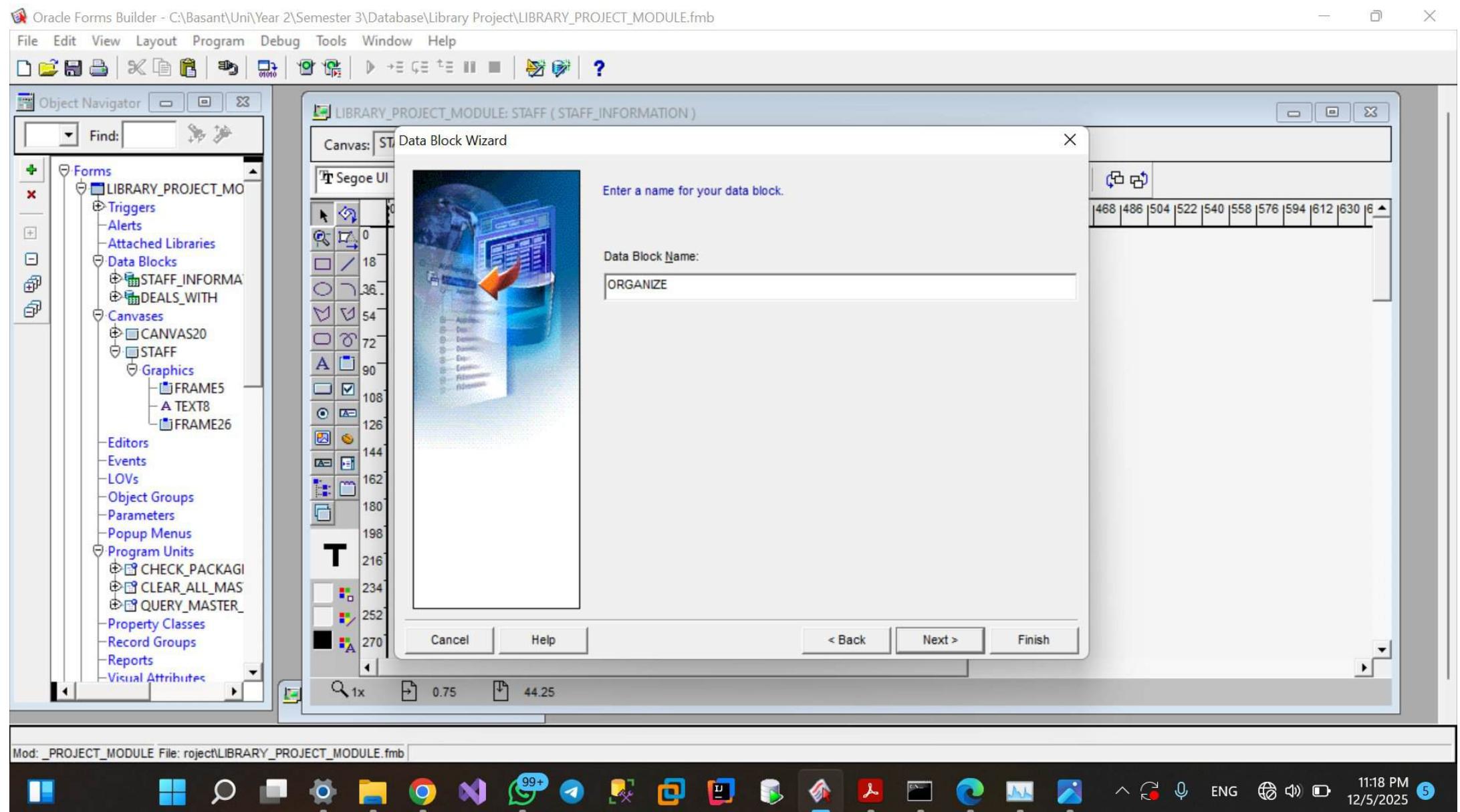
Master Item

STAFF_ID

Join Condition

ORGANIZE.STAFF_ID = STAFF_INFORMATION.STAFF_ID







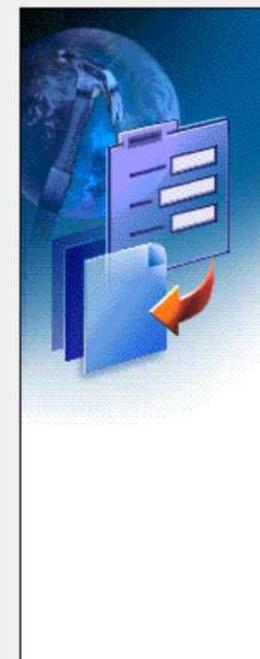
Object Navigator

- Forms
- LIBRARY_PROJECT_MODULE
- Triggers
- Alerts
- Attached Libraries
- Data Blocks
 - STAFF_INFORMATION
 - DEALS_WITH
- Canvases
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 - Graphics
 - FRAMES5
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- Popup Menus
- Program Units
 - CHECK_PACKAGE
 - CLEAR_ALL_MASTER
 - QUERY_MASTER
- Property Classes
- Record Groups
- Reports
- Visual Attributes

LIBRARY_PROJECT_MODULE: STAFF (STAFF_INFORMATION)

Canvas: STAFF

Segoe UI



Select the canvas on which you wish to lay out the data block's items. If you are creating a new canvas, also be sure to select the appropriate canvas type.

Canvas:

STAFF

Type:

Content

If you select a tab canvas, then you also must select a tab page on which to lay out the data block's items.

Tab Page:

(New Tab Page)

Cancel

Help

< Back

Next >

Finish

1x

0.75

44.25





Object Navigator

- Forms
- LIBRARY_PROJECT_MODULE
- Triggers
- Alerts
- Attached Libraries
- Data Blocks
 - STAFF_INFORMATION
 - DEALS_WITH
- Canvases
 - CANVAS20
 - STAFF
 - Graphics
 - FRAMES5
 - TEXT8
 - FRAME26
- Editors
- Events
- LOVs
- Object Groups
- Parameters
- Popup Menus
- Program Units
 - CHECK_PACKAGE
 - CLEAR_ALL_MAS
 - QUERY_MASTER
- Property Classes
- Record Groups
- Reports
- Visual Attributes

LIBRARY_PROJECT_MODULE: STAFF (STAFF_INFORMATION)

Canvas: STAFF

Segoe UI



Select the data block you wish to lay out. Then select the items that should be displayed in the frame, and select an item type for each.

Data Block: ORGANIZE

Available Items

Displayed Items

STAFF_ID
BOOK_ID

> >> << <

Item Type: Bean Area

View: Group

Cancel

Help

< Back

Next >

Finish





Object Navigator

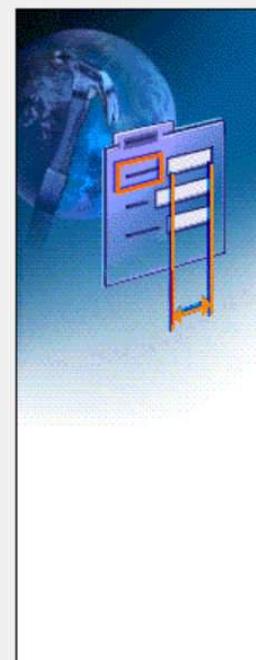
Forms

- LIBRARY_PROJECT_MODULE
- Triggers
- Alerts
- Attached Libraries
- Data Blocks
 - STAFF_INFORMATION
 - DEALS_WITH
- Canvases
 - CANVAS20
 - STAFF
 - Graphics
 - FRAMES
 - TEXT8
 - FRAME26
- Editors
- Events
- LOVs
- Object Groups
- Parameters
- Popup Menus
- Program Units
 - CHECK_PACKAGE
 - CLEAR_ALL_MASTER
 - QUERY_MASTER
- Property Classes
- Record Groups
- Reports
- Visual Attributes

LIBRARY_PROJECT_MODULE: STAFF (STAFF_INFORMATION)

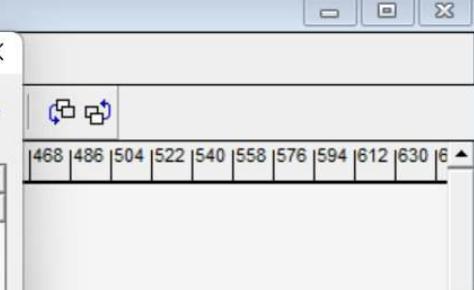
Canvas: STAFF

Segoe UI



Enter a prompt, width, and height for each item. The units for item width and height are Points.

Name	Prompt	Width	Height
STAFF_ID	Staff Id	63	16
BOOK_ID	Book Id	63	16



Cancel

Help

< Back

Next >

Finish

1x

0.75

44.25





Object Navigator

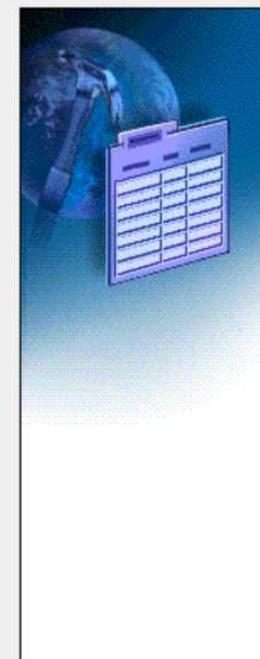
Forms

- LIBRARY_PROJECT_MODULE
- Triggers
- Alerts
- Attached Libraries
- Data Blocks
 - STAFF_INFORMATION
 - DEALS_WITH
- Canvases
 - CANVAS20
 - STAFF
 - Graphics
 - FRAMES5
 - TEXT8
 - FRAME26
- Editors
- Events
- LOVs
- Object Groups
- Parameters
- Popup Menus
- Program Units
 - CHECK_PACKAGE
 - CLEAR_ALL_MASTER
 - QUERY_MASTER
- Property Classes
- Record Groups
- Reports
- Visual Attributes

LIBRARY_PROJECT_MODULE: STAFF (STAFF_INFORMATION)

Canvas: STAFF

Segoe UI



Select a layout style for your frame by clicking a radio button below.

 Form Tabular

Cancel

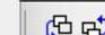
Help

< Back

Next >

Finish

X



468	486	504	522	540	558	576	594	612	630	648
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----





Object Navigator

Forms

- LIBRARY_PROJECT_MODULE
- Triggers
- Alerts
- Attached Libraries
- Data Blocks
 - STAFF_INFORMATION
 - DEALS_WITH
- Canvases
 - CANVAS20
 - STAFF
 - Graphics
 - FRAMES5
 - TEXT8
 - FRAME26
- Editors
- Events
- LOVs
- Object Groups
- Parameters
- Popup Menus
- Program Units
 - CHECK_PACKAGE
 - CLEAR_ALL_MASTER
 - QUERY_MASTER
- Property Classes
- Record Groups
- Reports
- Visual Attributes

LIBRARY_PROJECT_MODULE: STAFF (STAFF_INFORMATION)

Layout Wizard

Enter a title for the frame. Also be sure to specify the number of database records to be displayed in the frame, as well as the distance between each record.

To display a scrollbar in the frame that can be used to scroll through database records, check the 'Display Scrollbar' check box.

Frame Title:

Records Displayed:

Distance Between Records:

Display Scrollbar

Cancel Help < Back Next > Finish

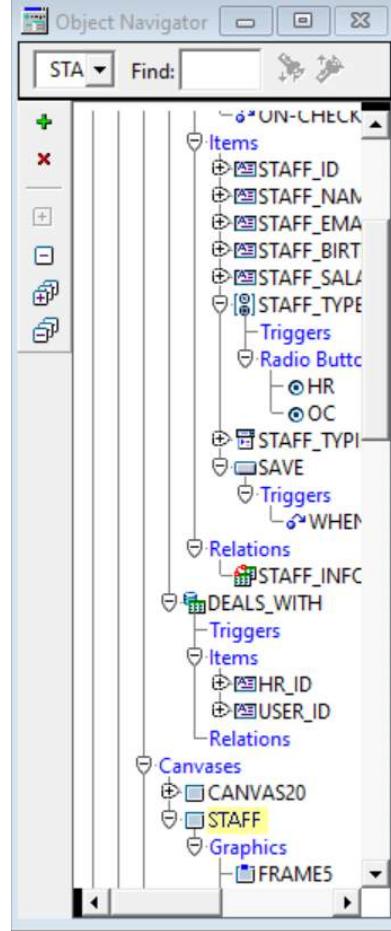
Canvas: STAFF

Segoe UI

Font Size: 0 18 36 54 72 90 108 126 144 162 180 198 216 234 252 270

Color: Black White Red Green Blue Yellow Orange Cyan Magenta

Image:



LIBRARY_PROJECT_MODULE: STAFF (STAFF_INFORMATION)

Canvas: STAFF

Block: STAFF_INFORMATION

Segoe UI

9

B

I

U

+

C

D

E

F

G

H

I

J

K

L

M

N

O

Staff

Staff Id Staff Name Staff Email Staff Birthdate Staff Salary Staff Type Hr OCStaff Typing Speed

Save

Deals_With

User Id

Hr Id

Module built successfully.

Mod: _PROJECT_MODULE File: roject\LIBRARY_PROJECT_MODULE.fmb



File Edit View Layout Program Debug Tools Window Help

Canvas: STAFF Block: <Null>

Segoe UI 9 B I U ?

0 18 36 54 72 90 108 126 144 162 180 198 216 234 252 270 288 306 324 342 360 378 396 414 432 450 468 486 504 522 540 558 576 594 612 630 648 666 684 702 720 738 756 774 792 810 828 846 864 882

Staff

Staff Id: STAFF_ID
Staff Name: STAFF_NAME
Staff Email: STAFF_EMAIL
Staff Birthdate: STAFF_BIRTHDATE
Staff Salary: STAFF_SALARY
Staff Type: Hr OC
Staff Typing Speed: STAFF_TYPING_SPEED

Previous_Record Next_Record Save

Deals_With Organize

Hr Id User Id STAFF_ID Book Id

HR_ID USER_ID STAFF_ID BOOK_ID

Module built successfully.

Mod: _PROJECT_MODULE File: roject\LIBRARY_PROJECT_MODULE.fmb

1x 510.00 198.00

11:33 PM 12/5/2025

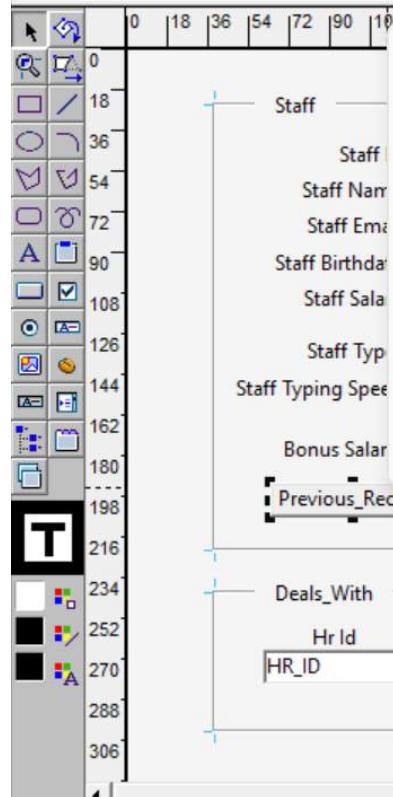


Canvas: STAFF_ORGANIZE_DEALSWITH Block: STAFF

Segoe UI

9

B I U



Cut Ctrl+X

Copy Ctrl+C

Paste Ctrl+V

Property Palette

PL/SQL Editor

Data Block Wizard

Layout Wizard

Update Layout

SmartTriggers >

SmartClasses

Help

Previous_Record

Next_Record

Save

WHEN-NEW-ITEM-INSTANCE

WHEN-BUTTON-PRESSED

WHEN-CUSTOM-ITEM-EVENT

Other

Oracle Forms Builder - C:\Basant\Uni\Year 2\Semester 3\Database\Library Project\LIBRARY_PROJECT_MODULE.fmb - [PL/SQL Editor]

File Edit View Layout Program Debug Tools Window Help



Name: WHEN-BUTTON-PRESSED

Type: Trigger

Object: STAFF

PREVIOUS_RECORD

```
1 previous_record;
```

Not Modified

Successfully Compiled

Mod: _PROJECT_MODULE File: roject\LIBRARY_PROJECT_MODULE.fmb





01010



? ?



Item: PREVIOUS_RECORD

Find:

**General**

<input checked="" type="checkbox"/> Name	PREVIOUS_RECORD
<input checked="" type="checkbox"/> Item Type	Push Button
› Subclass Information	
› Comments	
› Help Book Topic	

Functional

› Enabled	Yes
<input checked="" type="checkbox"/> Label	Previous_Record
› Access Key	
› Implementation Class	
› Iconic	No
› Icon Filename	
› Default Button	No
› Popup Menu	<Null>

Navigation

› Keyboard Navigable	Yes
› Mouse Navigate	Yes
<input checked="" type="checkbox"/> Previous Navigation Item	PREVIOUS_RECORD
› Next Navigation Item	<Null>

Records

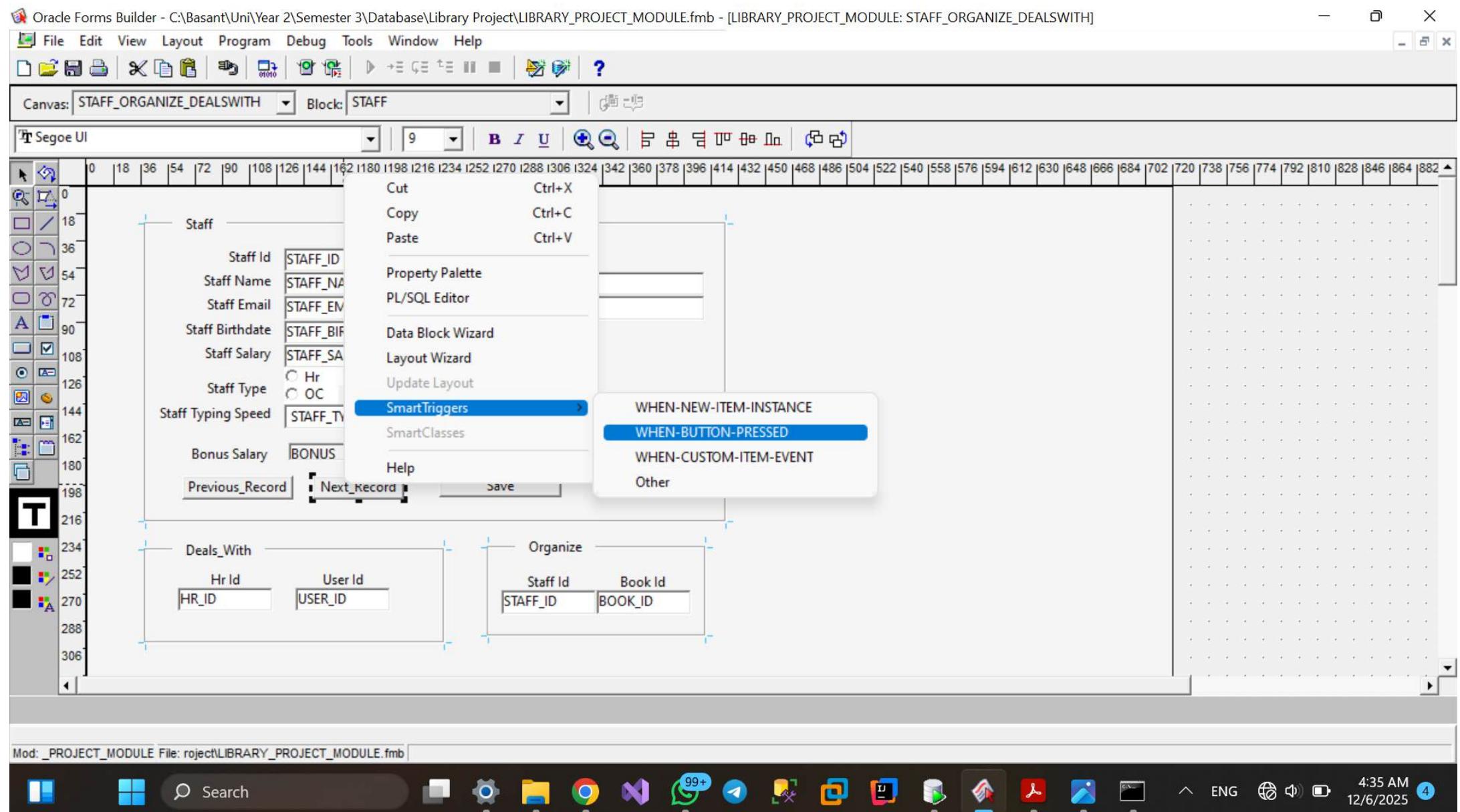
General

Mod: _PROJECT_MODULE File: roject\LIBRARY_PROJECT_MODULE.fmb



Search

4:35 AM
12/6/2025



Oracle Forms Builder - C:\Basant\Uni\Year 2\Semester 3\Database\Library Project\LIBRARY_PROJECT_MODULE.fmb - [PL/SQL Editor]

File Edit View Layout Program Debug Tools Window Help



Name: WHEN-BUTTON-PRESSED

Type: Trigger

Object: STAFF

NEXT_RECORD

```
1 next_record;
```

Not Modified

Successfully Compiled

Mod: _PROJECT_MODULE File: roject\LIBRARY_PROJECT_MODULE.fmb



Search



ENG



4
4:36 AM
12/6/2025

File Edit View Layout Program Debug Tools Window Help

Find:

Item: NEXT_RECORD

General	
Name	NEXT_RECORD
Item Type	Push Button
Subclass Information	
Comments	
Help Book Topic	
Functional	
Enabled	Yes
Label	Next_Record
Access Key	
Implementation Class	
Iconic	No
Icon Filename	
Default Button	No
Popup Menu	<Null>
Navigation	
Keyboard Navigable	Yes
Mouse Navigate	Yes
Previous Navigation Item	<Null>
Next Navigation Item	NEXT_RECORD
Records	

General

Mod: _PROJECT_MODULE File: roject\LIBRARY_PROJECT_MODULE.fmb

4:36 AM
12/6/2025



Canvas: STAFF_ORGANIZE_DEALSWITH Block: STAFF

Segoe UI 9 **I** U

0 18 36 54 72 90 108 126 144 162 180 198 216 234 252 270 288 306 324 342 360 378 396 414 432 450 468 486 504 522 540 558 576 594 612 630 648 666 684 702 720 738 756 774 792 810 828 846 864 882

18
36
54
72
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108
126
144
162
180
198
216
234
252
270
288
306
324
342
360
378
396
414
432
450
468
486
504
522
540
558
576
594
612
630
648
666
684
702
720
738
756
774
792
810
828
846
864
882

Staff

Staff Id
Staff Name
Staff Email
Staff Birthdate
Staff Salary
Staff Type Hr OC
Staff Typing Speed
Bonus Salary
[Previous Record](#) [Next Record](#) [Save](#)

Deals_With

Hr Id User Id

Organize

Staff Id Book Id

1x 687.00 147.75

Module built successfully.

Mod: _PROJECT_MODULE File: roject\LIBRARY_PROJECT_MODULE.fmb



3:21 AM 12/6/2025 5



Item: BONUS

General	
Name	BONUS
Item Type	Display Item
Subclass Information	
Comments	
Help Book Topic	
Functional	
Justification	Start
Popup Menu	<Null>
Navigation	
Previous Navigation Item	<Null>
Next Navigation Item	<Null>
Data	
Data Type	Char
Data Length Semantics	Null
Maximum Length	30
Initial Value	
Format Mask	
Copy Value from Item	
Synchronize with Item	<Null>
Calculation	

Single PL/SQL expression that determines value for formula calculated item.

Mod: _PROJECT_MODULE File: roject\LIBRARY_PROJECT_MODULE.fmb

3:12 AM
12/6/2025

Oracle Forms Builder - C:\Basant\Uni\Year 2\Semester 3\Database\Library Project\LIBRARY_PROJECT_MODULE.fmb - [Property Palette]

File Edit View Layout Program Debug Tools Window Help

Find:

Item: BONUS

↳ Synchronize with Item	<Null>
Calculation	
↳ Calculation Mode	Formula
↳ Formula	NVL(:STAFF_SALARY * 1.05,0)
↳ Summary Function	None
↳ Summarized Block	<Null>
↳ Summarized Item	<Null>
Records	
↳ Current Record Visual Attribute Group	<Null>
↳ Distance Between Records	0
↳ Number of Items Displayed	0
Database	
↳ Database Item	No
↳ Column Name	
↳ Primary Key	No
↳ Query Only	No
Physical	
↳ Visible	Yes
↳ Canvas	STAFF_ORGANIZE_DEALSWITH
↳ Tab Page	<Null>
↳ X Position	134

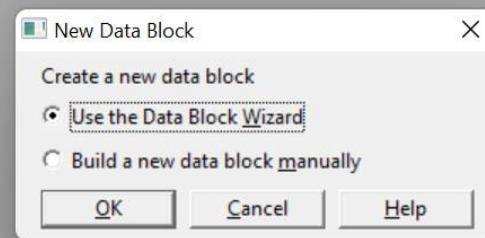
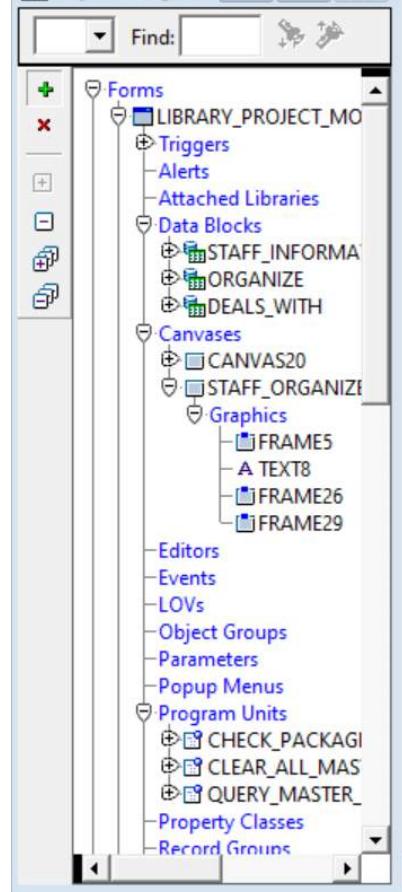
Single PL/SQL expression that determines value for formula calculated item.

Mod: _PROJECT_MODULE File: roject\LIBRARY_PROJECT_MODULE.fmb

3:12 AM 12/6/2025



Object Navigator



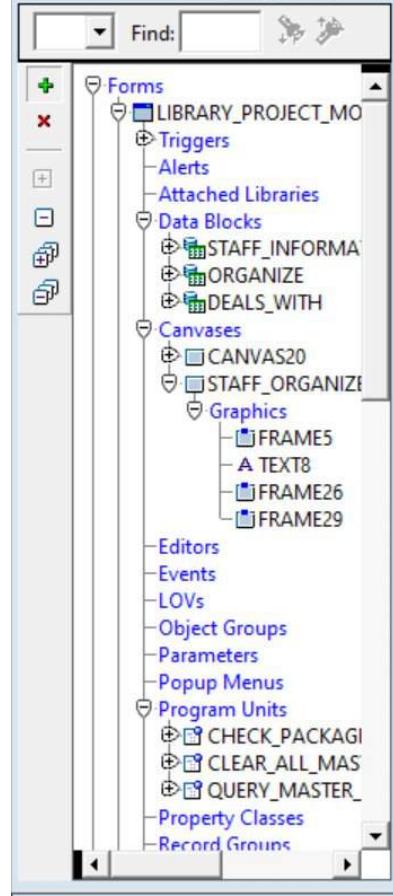
Build a new block using the Data Block Wizard

Mod: _PROJECT_MODULE File: roject\LIBRARY_PROJECT_MODULE.fmb





Object Navigator



Data Block Wizard



Select the type of data block you would like to create by clicking on a radio button below.

Note: To base your data block on a set of stored procedures, you should have a working knowledge of PL/SQL programming.

Table or View

Stored Procedure

Cancel

Help

< Back

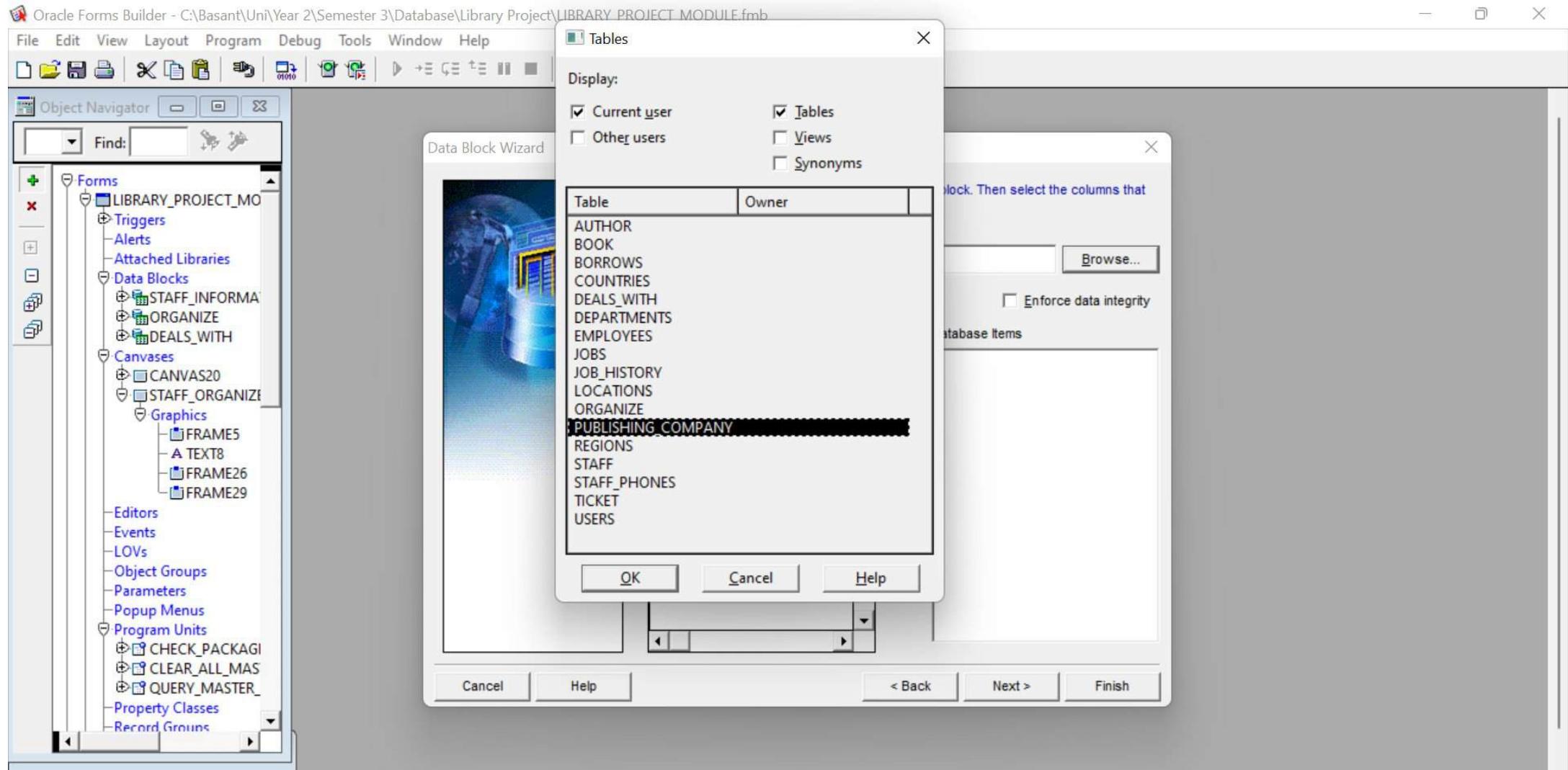
Next >

Finish

Close the window (saving any changes that may have been made).

Mod: _PROJECT_MODULE File: rojectLIBRARY_PROJECT_MODULE.fmb





Query the current user table space.

Mod: _PROJECT_MODULE File: roject\LIBRARY_PROJECT_MODULE.fmb



11:42 PM
12/5/2025



Object Navigator

Forms

- LIBRARY_PROJECT_MO
- Triggers
- Alerts
- Attached Libraries
- Data Blocks
 - STAFF_INFORMATION
 - ORGANIZE
 - DEALS_WITH
- Canvases
 - CANVAS20
 - STAFF_ORGANIZE
 - Graphics
 - FRAMES5
 - TEXT8
 - FRAME26
 - FRAME29
- Editors
- Events
- LOVs
- Object Groups
- Parameters
- Popup Menus
- Program Units
 - CHECK_PACKAGE
 - CLEAR_ALL_MASTER
 - QUERY_MASTER
- Property Classes
- Record Groups

Data Block Wizard

Enter a table or view on which to base your data block. Then select the columns that should appear as items.

Table or view:

PUBLISHING_COMPANY

Refresh Enforce data integrity

Available Columns

Database Items

COMPANY_ID
COMPANY_NAME

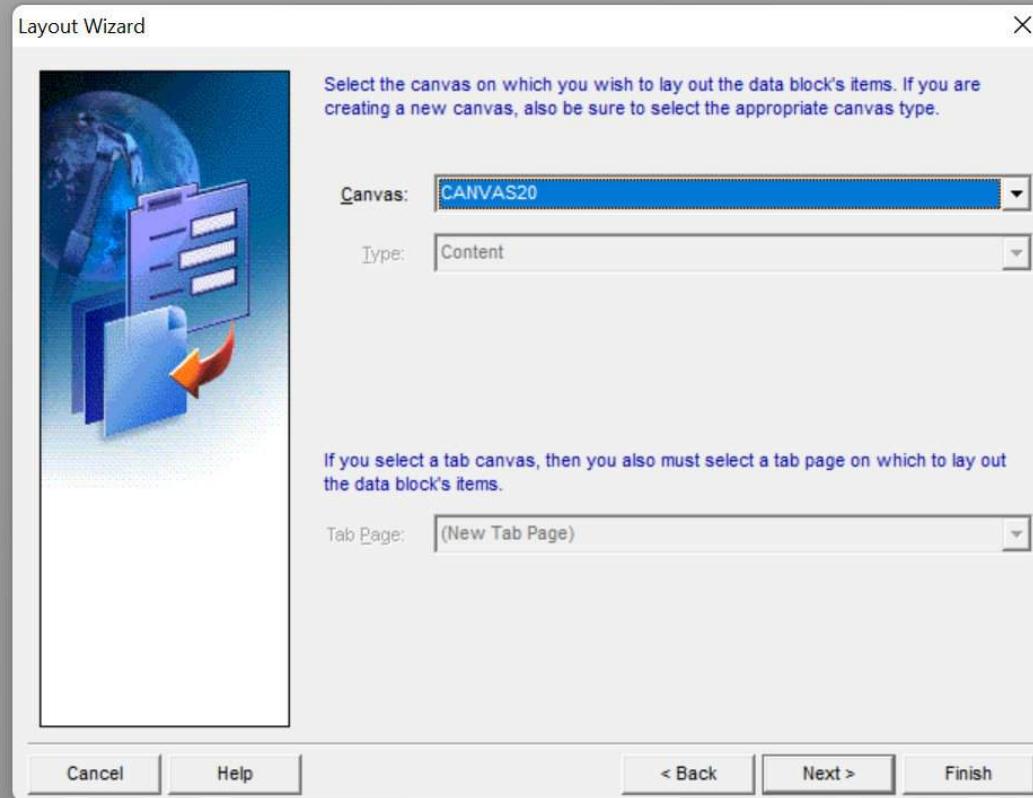
Cancel Help < Back Next > Finish



Object Navigator

PUE ▾ Find: 🔎

- + Forms
- LIBRARY_PROJECT_MO
- + Triggers
- Alerts
- Attached Libraries
- + Data Blocks
 - + STAFF_INFORMATION
 - + ORGANIZE
 - + DEALS_WITH
- + Canvases
 - CANVAS20
 - STAFF_ORGANIZE
 - + Graphics
 - + FRAMES5
 - + TEXT8
 - + FRAME26
 - + FRAME29
- Editors
- Events
- LOVs
- Object Groups
- Parameters
- Popup Menus
- + Program Units
 - + CHECK_PACKAGE
 - + CLEAR_ALL_MASTER
 - + QUERY_MASTER
- Property Classes
- Record Groups





Object Navigator

PUE ▾ Find: [] 🔎

- + Forms
- LIBRARY_PROJECT_MO
- + Triggers
- Alerts
- Attached Libraries
- + Data Blocks
 - + STAFF_INFORMATION
 - + ORGANIZE
 - + DEALS_WITH
- + Canvases
 - + CANVAS20
 - + STAFF_ORGANIZE
 - + Graphics
 - + FRAMES5
 - + TEXT8
 - + FRAME26
 - + FRAME29
- Editors
- Events
- LOVs
- Object Groups
- Parameters
- Popup Menus
- + Program Units
 - + CHECK_PACKAGE
 - + CLEAR_ALL_MASTER
 - + QUERY_MASTER
- + Property Classes
- Record Groups

Layout Wizard

Select the data block you wish to lay out. Then select the items that should be displayed in the frame, and select an item type for each.

Data Block: PUBLISHING_COMPANY

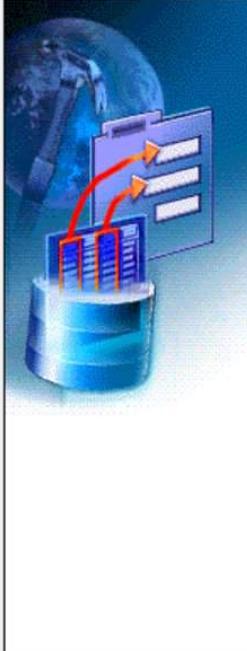
Available Items

Displayed Items

COMPANY_ID
COMPANY_NAME

Item Type: Bean Area View: Group

Cancel Help < Back Next > Finish





Object Navigator

PUE Find:

- Forms
- LIBRARY_PROJECT_MO
- Triggers
- Alerts
- Attached Libraries
- Data Blocks
 - STAFF_INFORMATION
 - ORGANIZE
 - DEALS_WITH
- Canvases
 - CANVAS20
 - STAFF_ORGANIZE
 - Graphics
 - FRAME5
 - TEXT8
 - FRAME26
 - FRAME29
- Editors
- Events
- LOVs
- Object Groups
- Parameters
- Popup Menus
- Program Units
 - CHECK_PACKAGE
 - CLEAR_ALL_MASTER
 - QUERY_MASTER
- Property Classes
- Record Groups

Layout Wizard



Enter a prompt, width, and height for each item. The units for item width and height are Points.

Name	Prompt	Width	Height
COMPANY_ID	Company Id	63	16
COMPANY_NAME	Company Name	279	16

Cancel

Help

< Back

Next >

Finish





Object Navigator

PUE Find:

- + Forms
- LIBRARY_PROJECT_MO
- + Triggers
- Alerts
- Attached Libraries
- + Data Blocks
 - + STAFF_INFORMATION
 - + ORGANIZE
 - + DEALS_WITH
- + Canvases
 - + CANVAS20
 - + STAFF_ORGANIZE
 - + Graphics
 - + FRAME5
 - + TEXT8
 - + FRAME26
 - + FRAME29
- Editors
- Events
- LOVs
- Object Groups
- Parameters
- Popup Menus
- + Program Units
 - + CHECK_PACKAGE
 - + CLEAR_ALL_MASTER
 - + QUERY_MASTER
- + Property Classes
- Record Groups

Layout Wizard



Select a layout style for your frame by clicking a radio button below.

 Form Tabular

Cancel

Help

< Back

Next >

Finish





Object Navigator

PUE Find:

- + Forms
- LIBRARY_PROJECT_MO
- + Triggers
- Alerts
- Attached Libraries
- + Data Blocks
 - + STAFF_INFORMATION
 - + ORGANIZE
 - + DEALS_WITH
- + Canvases
 - + CANVAS20
 - + STAFF_ORGANIZE
 - + Graphics
 - + FRAME5
 - + TEXT8
 - + FRAME26
 - + FRAME29
- Editors
- Events
- LOVs
- Object Groups
- Parameters
- Popup Menus
- + Program Units
 - + CHECK_PACKAGE
 - + CLEAR_ALL_MASTER
 - + QUERY_MASTER
- + Property Classes
- Record Groups

Layout Wizard

Enter a title for the frame. Also be sure to specify the number of database records to be displayed in the frame, as well as the distance between each record.

To display a scrollbar in the frame that can be used to scroll through database records, check the 'Display Scrollbar' check box.

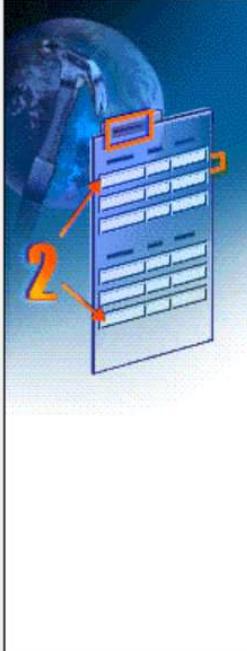
Frame Title: Publishing_Company

Records Displayed: 1

Distance Between Records: 0

Display Scrollbar

Cancel Help < Back Next > Finish



File Edit View Layout Program Debug Tools Window Help



Object Navigator

- +
- Forms
- LIBRARY_PROJECT_MODULE
 - + Triggers
 - + Alerts
 - + Attached Libraries
 - + Data Blocks
 - + PUBLISHING_COMPANY
 - + Triggers
 - + Items
 - + COMPANY_ID
 - + COMPANY_NAME
 - + Relations
 - + STAFF_INFORMA
 - + ORGANIZE
 - + DEALS_WITH
 - + Canvases
 - + CANVAS20
 - + Graphics
 - + FRAME34
 - + STAFF_ORGANIZE
 - + Graphics
 - + FRAME5
 - + TEXT8
 - + FRAME26
 - + FRAME29
 - + Editors
 - + Events
 - + LOVs
 - + Object Groups

LIBRARY_PROJECT_MODULE: CANVAS20 (PUBLISHING_COMPANY)

Canvas: CANVAS20 Block: <Null>

Segoe UI 9 B I U + 🔎

0 18 36 54 72 90 108 126 144 162 180 198 216 234 252 270 288 306 324 342 360 378 396 414 432 450 468 486 504 522

Publishing_Company

Company Id [COMPANY_ID] Company Name [COMPANY_NAME]

18 36 54 72 90 108 126 144 162 180 198 216 234 252 270 288 306 324 342 360 378 396 414 432 450 468 486 504 522

1x 107.25 98.25



Object Navigator

Forms

- LIBRARY_PROJECT_MODULE
 - Triggers
 - Alerts
 - Attached Libraries
 - Data Blocks
 - PUBLISHING_COMPANY
 - Triggers
 - Items
 - COMPANY_ID
 - COMPANY_NAME
 - Relations
 - STAFF_INFORMA
 - ORGANIZE
 - DEALS_WITH
 - Canvases
 - CANVAS20
 - Graphics
 - FRAME34
 - STAFF_ORGANIZE
 - Graphics
 - FRAME5
 - TEXT8
 - FRAME26
 - FRAME29
 - Editors
 - Events
 - LOVs
 - Object Groups

LIBRARY_PROJECT_MODULE: CANVAS20 (PUBLISHING_COMPANY)

Canvas: CANVAS20 Block: <Null>

Segoe UI

New Data Block

Create a new data block

Use the Data Block Wizard

Build a new data block manually

OK Cancel Help

Company Id

Company Name COMPANY_NAME

0 18 36 54 72 90 108 126 144 162 180 198 216

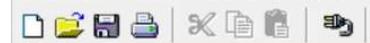
18 306 324 342 360 378 396 414 432 450 468 486 504 522

1x 0.00 68.25

Build a new block using the Data Block Wizard

Mod: _PROJECT_MODULE File: roject\LIBRARY_PROJECT_MODULE.fmb

11:45 PM
12/5/2025



Object Navigator

Forms

- LIBRARY_PROJECT_MODULE
 - Triggers
 - Alerts
 - Attached Libraries
 - Data Blocks
 - PUBLISHING_COI
 - Triggers
 - Items
 - COMPANY
 - COMPANY
 - Relations
 - STAFF_INFORMA
 - ORGANIZE
 - DEALS_WITH
 - Canvases
 - CANVAS20
 - Graphics
 - FRAME34
 - STAFF_ORGANIZE
 - Graphics
 - FRAME5
 - TEXT8
 - FRAME26
 - FRAME29
 - Editors
 - Events
 - LOVs
 - Object Groups

Data Block Wizard

Select the type of data block you would like to create by clicking on a radio button below.

Note: To base your data block on a set of stored procedures, you should have a working knowledge of PL/SQL programming.

Table or View

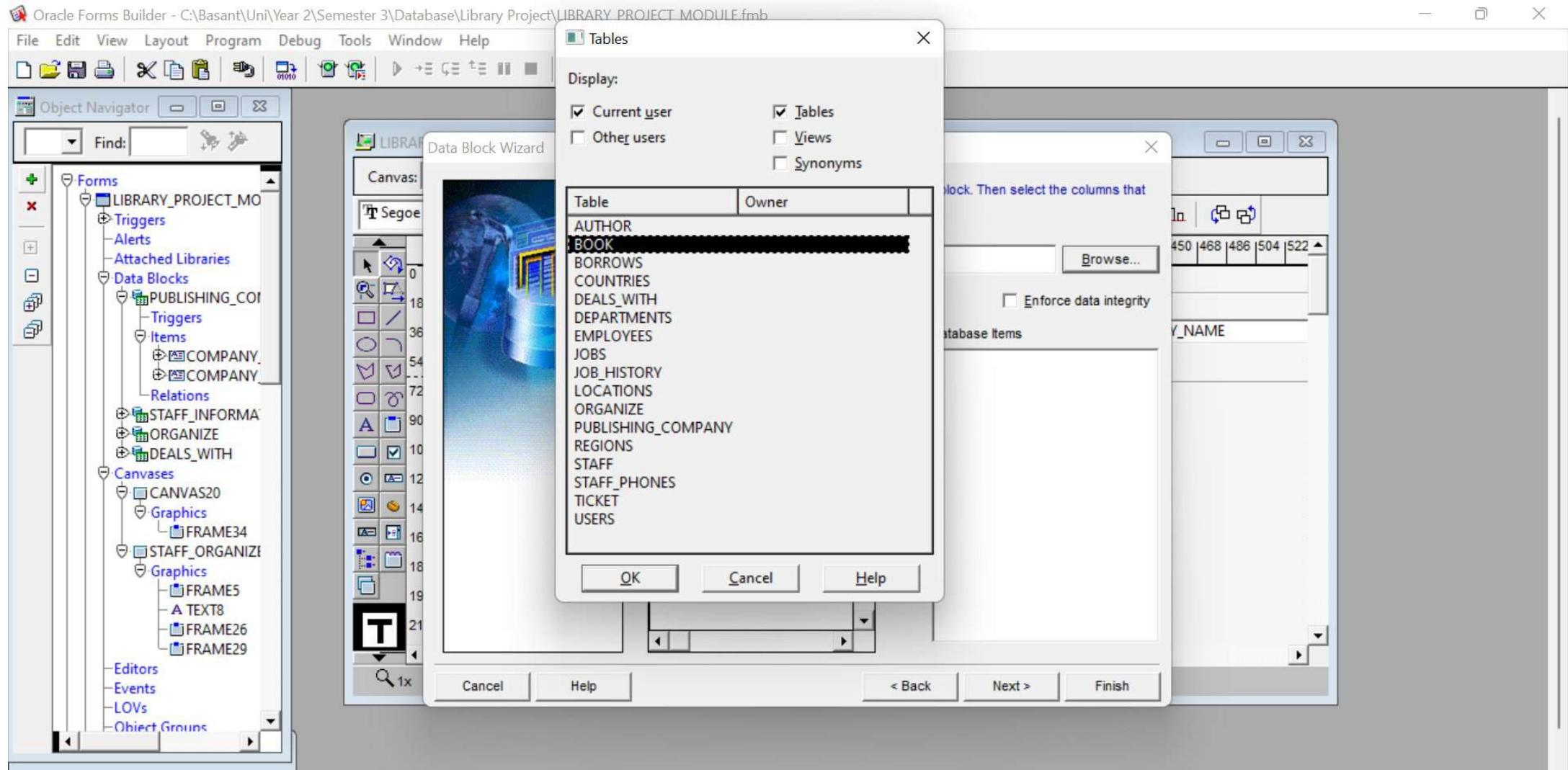
Stored Procedure

Cancel Help < Back Next > Finish

Close the window (saving any changes that may have been made).

Mod: _PROJECT_MODULE File: roject\LIBRARY_PROJECT_MODULE.fmb

11:45 PM
12/5/2025



11:45 PM
12/5/2025



Object Navigator

Forms
LIBRARY_PROJECT_MO
Triggers
Alerts
Attached Libraries
Data Blocks
PUBLISHING_COI
Triggers
Items
COMPANY
COMPANY
Relations
STAFF_INFORMA
ORGANIZE
DEALS_WITH
Canvases
CANVAS20
Graphics
FRAME34
STAFF_ORGANIZE
Graphics
FRAME5
TEXT8
FRAME26
FRAME29
Editors
Events
LOVs
Object Groups

Data Block Wizard

Enter a table or view on which to base your data block. Then select the columns that should appear as items.

Table or view:

Enforce data integrity

Available Columns

Database Items

BOOK_ID
TITLE
NO_OF_PAGES
NO_OF_COPIES
CABINET
SHELF
AUTHOR_ID
COMPANY_ID

Cancel Help < Back Next > Finish



Object Navigator

Forms
LIBRARY_PROJECT_MO
Triggers
Alerts
Attached Libraries
Data Blocks
PUBLISHING_COMPANY
Triggers
Items
COMPANY_ID
COMPANY_NAME
Relations
STAFF_INFORMATION
ORGANIZE
DEALS_WITH
Canvases
CANVAS20
Graphics
FRAME34
STAFF_ORGANIZE
Graphics
FRAME5
TEXT8
FRAME26
FRAME29
Editors
Events
LOVs
Object Groups

Data Block Wizard

You may optionally create and delete master-detail relationships to other data blocks in your form.

Create Relationship... Auto-join data blocks

Delete Relationship

Master Data Blocks
PUBLISHING_COMPANY

Detail Item: BOOK_ID Master Item: (No Join)

Join Condition: BOOK.COMPANY_ID = PUBLISHING_COMPANY.COMPANY_ID

< Back Next > Finish



Object Navigator

Forms
LIBRARY_PROJECT_MO
Triggers
Alerts
Attached Libraries
Data Blocks
PUBLISHING_COI
Triggers
Items
COMPANY
COMPANY
Relations
STAFF_INFORMA
ORGANIZE
DEALS_WITH
Canvases
CANVAS20
Graphics
FRAME34
STAFF_ORGANIZE
Graphics
FRAME5
TEXT8
FRAME26
FRAME29
Editors
Events
LOVs
Object Groups

Data Block Wizard

Enter a name for your data block.

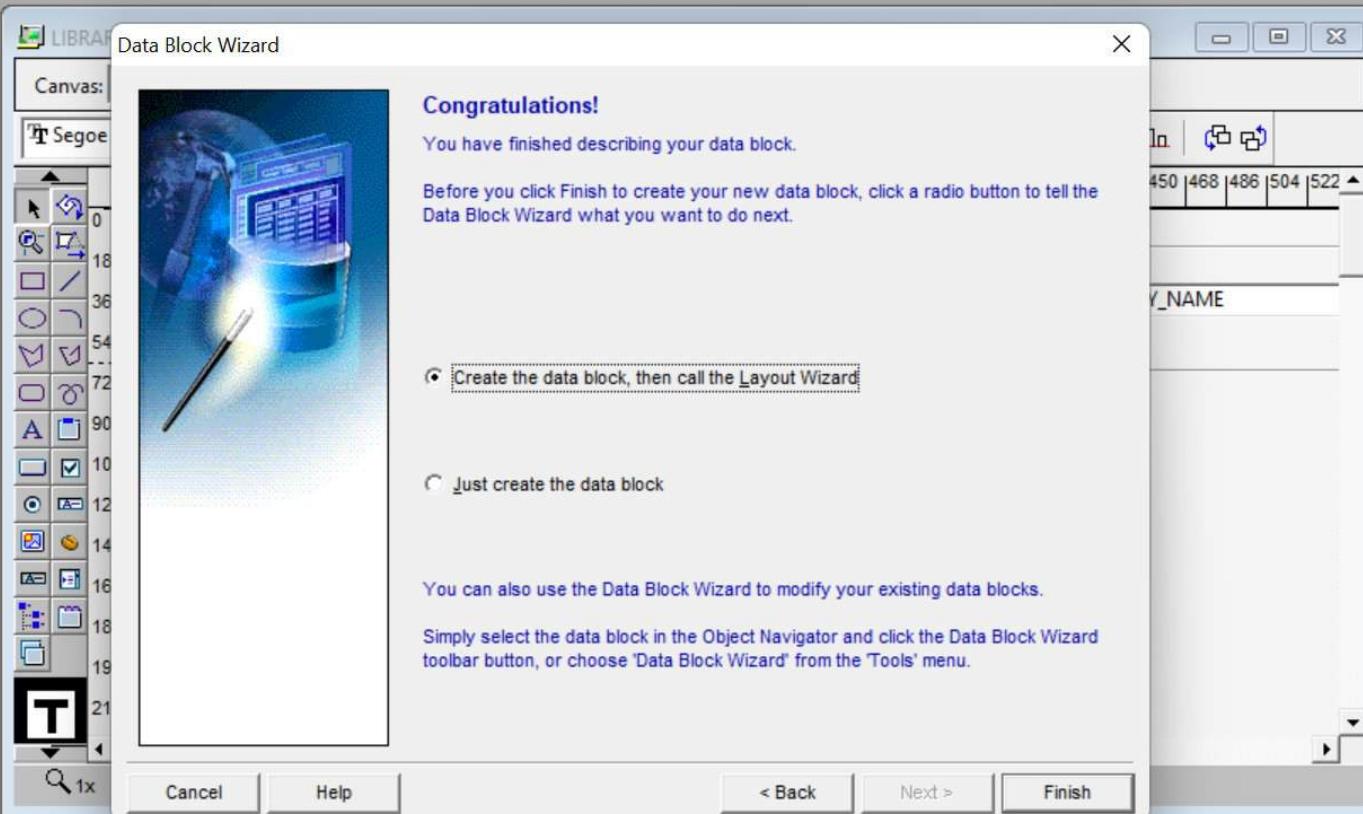
Data Block Name:

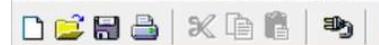
Cancel Help < Back Next > Finish



Object Navigator

Forms
LIBRARY_PROJECT_MO
Triggers
Alerts
Attached Libraries
Data Blocks
PUBLISHING_COI
Triggers
Items
COMPANY
COMPANY
Relations
STAFF_INFORMA
ORGANIZE
DEALS_WITH
Canvases
CANVAS20
Graphics
FRAME34
STAFF_ORGANIZE
Graphics
FRAME5
TEXT8
FRAME26
FRAME29
Editors
Events
LOVs
Object Groups

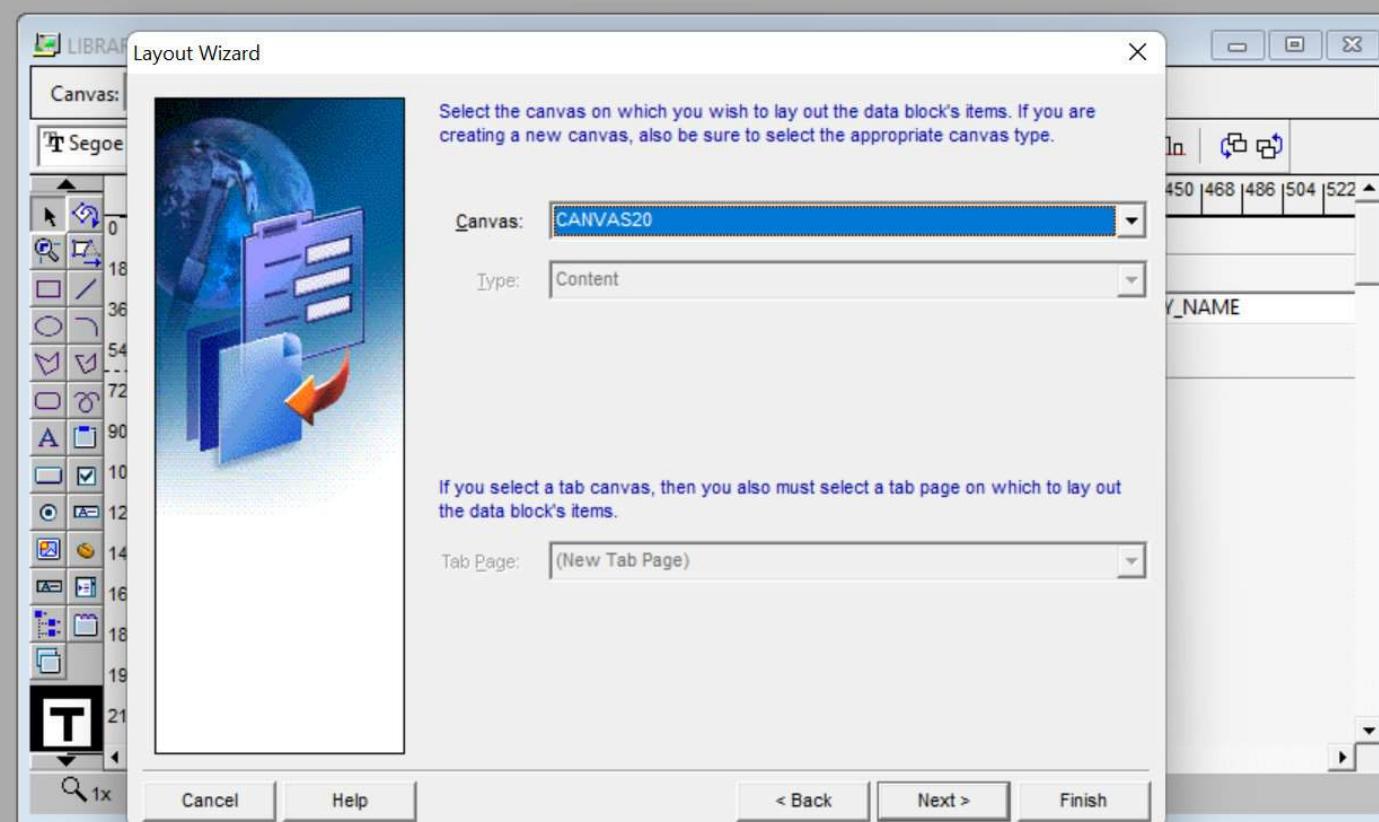


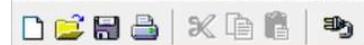


Object Navigator

BOC Find:

- Forms
- LIBRARY_PROJECT_MODULE
- Triggers
- Alerts
- Attached Libraries
- Data Blocks
 - PUBLISHING_COI
 - Triggers
 - Items
 - COMPANY
 - COMPANY
 - Relations
 - STAFF_INFORMA
 - ORGANIZE
 - DEALS_WITH
- Canvases
 - CANVAS20
 - Graphics
 - FRAME34
 - STAFF_ORGANIZE
 - Graphics
 - FRAME5
 - TEXT8
 - FRAME26
 - FRAME29
- Editors
- Events
- LOVs
- Object Groups

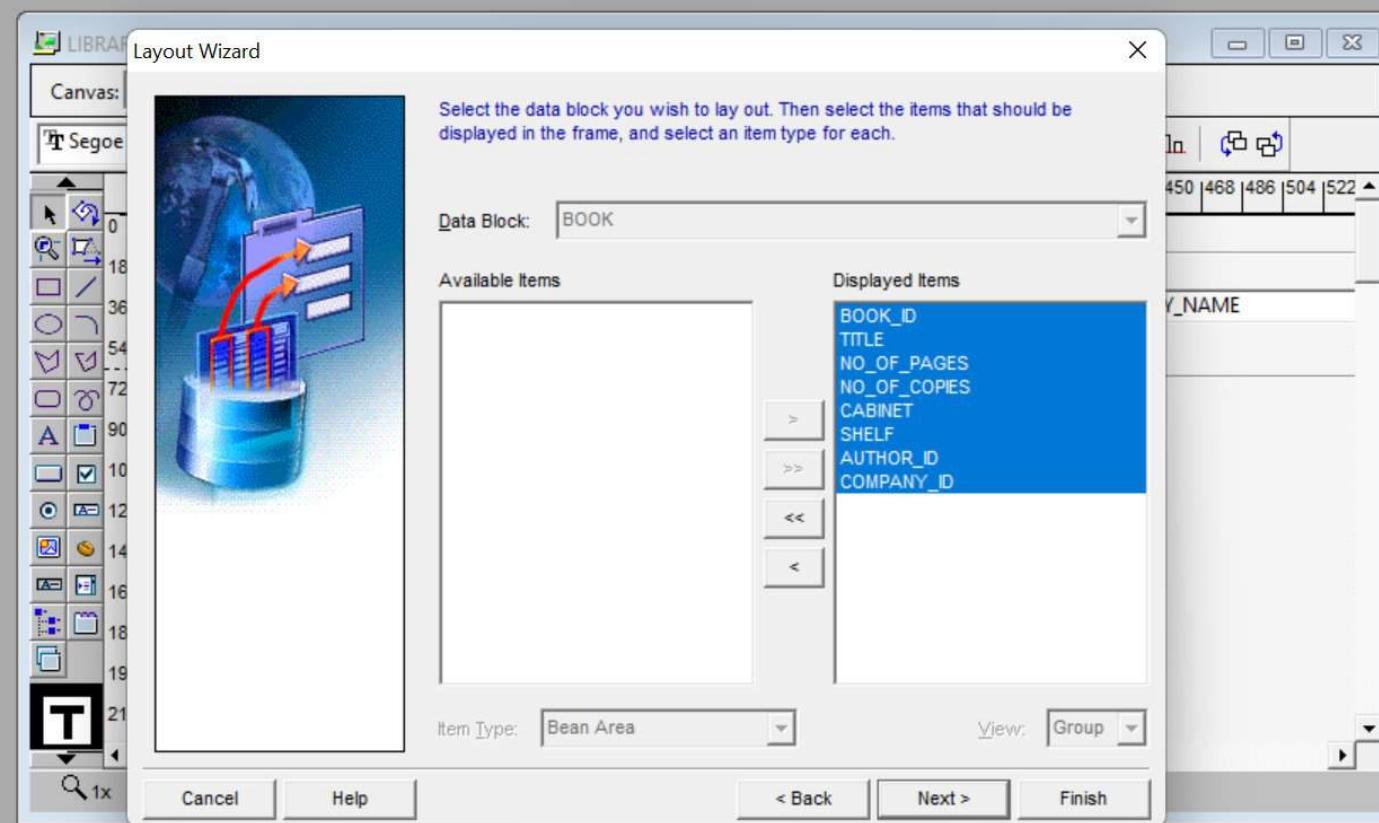


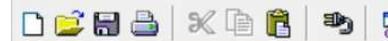


Object Navigator

BOC Find:

- Forms
- LIBRARY_PROJECT_MODULE
- Triggers
- Alerts
- Attached Libraries
- Data Blocks
 - PUBLISHING_COI
 - Triggers
 - Items
 - COMPANY
 - COMPANY
 - Relations
 - STAFF_INFORMA
 - ORGANIZE
 - DEALS_WITH
- Canvases
 - CANVAS20
 - Graphics
 - FRAME34
 - STAFF_ORGANIZE
 - Graphics
 - FRAME5
 - TEXT8
 - FRAME26
 - FRAME29
- Editors
- Events
- LOVs
- Object Groups





Object Navigator

BOC Find:

- Forms
- LIBRARY_PROJECT_MODULE
- Triggers
- Alerts
- Attached Libraries
- Data Blocks
 - PUBLISHING_COI
 - Triggers
 - Items
 - COMPANY
 - COMPANY
 - Relations
 - STAFF_INFORMA
 - ORGANIZE
 - DEALS_WITH
 - Canvases
 - CANVAS20
 - Graphics
 - FRAME34
 - STAFF_ORGANIZE
 - Graphics
 - FRAME5
 - TEXT8
 - FRAME26
 - FRAME29
 - Editors
 - Events
 - LOVs
 - Object Groups

Layout Wizard

Enter a prompt, width, and height for each item. The units for item width and height are Points.

Name	Prompt	Width	Height
BOOK_ID	Book Id	63	16
TITLE	Title	549	16
NO_OF_PAGES	No Of Pages	63	16
NO_OF_COPIES	No Of Copies	63	16
CABINET	Cabinet	18	16
SHELF	Shelf	36	16
AUTHOR_ID	Author Id	63	16
COMPANY_ID	Company Id	63	16

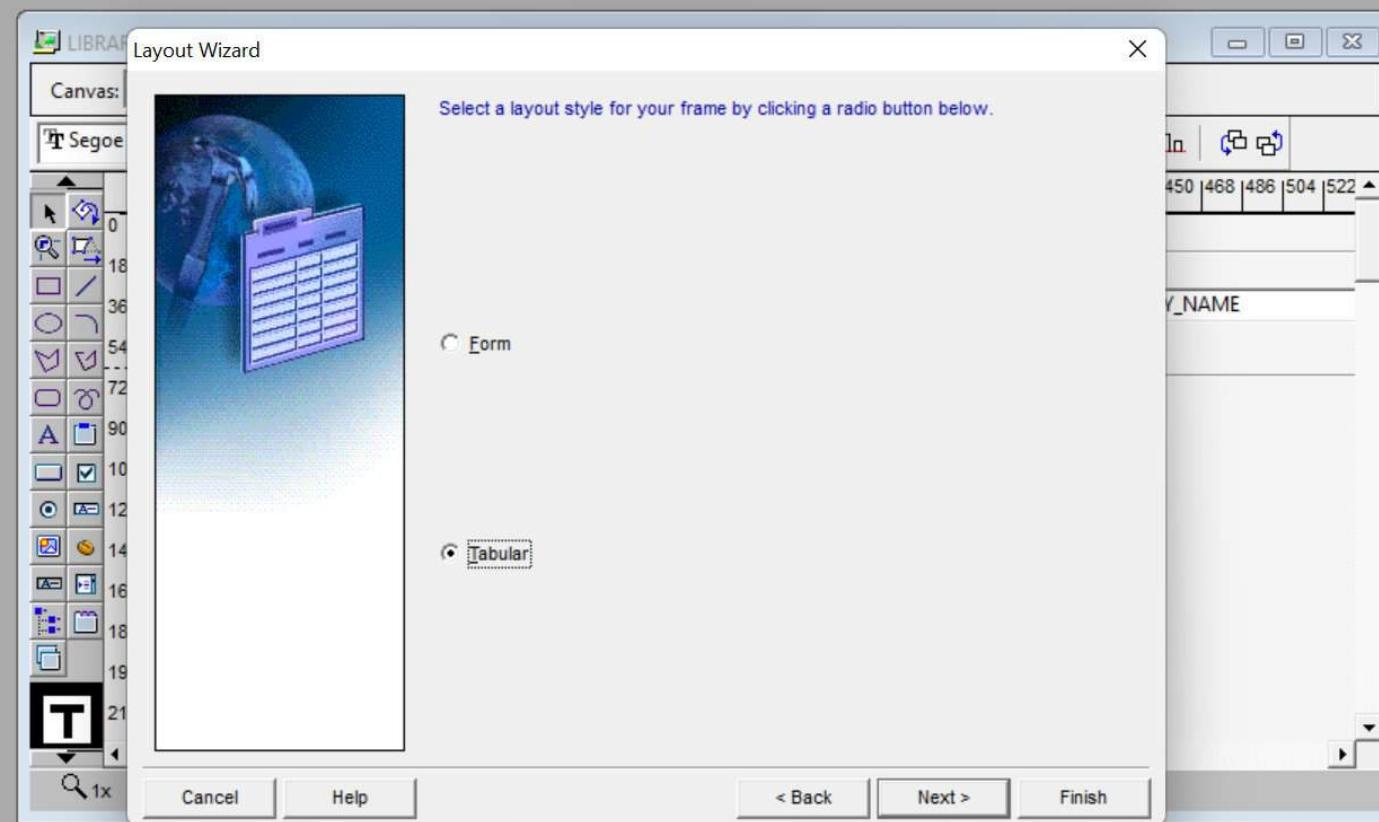
Cancel Help < Back Next > Finish

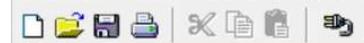


Object Navigator

BOC Find:

- Forms
- LIBRARY_PROJECT_MODULE
- Triggers
- Alerts
- Attached Libraries
- Data Blocks
 - PUBLISHING_COI
 - Triggers
 - Items
 - COMPANY
 - COMPANY
 - Relations
 - STAFF_INFORMA
 - ORGANIZE
 - DEALS_WITH
- Canvases
 - CANVAS20
 - Graphics
 - FRAME34
 - STAFF_ORGANIZE
 - Graphics
 - FRAME5
 - TEXT8
 - FRAME26
 - FRAME29
- Editors
- Events
- LOVs
- Object Groups

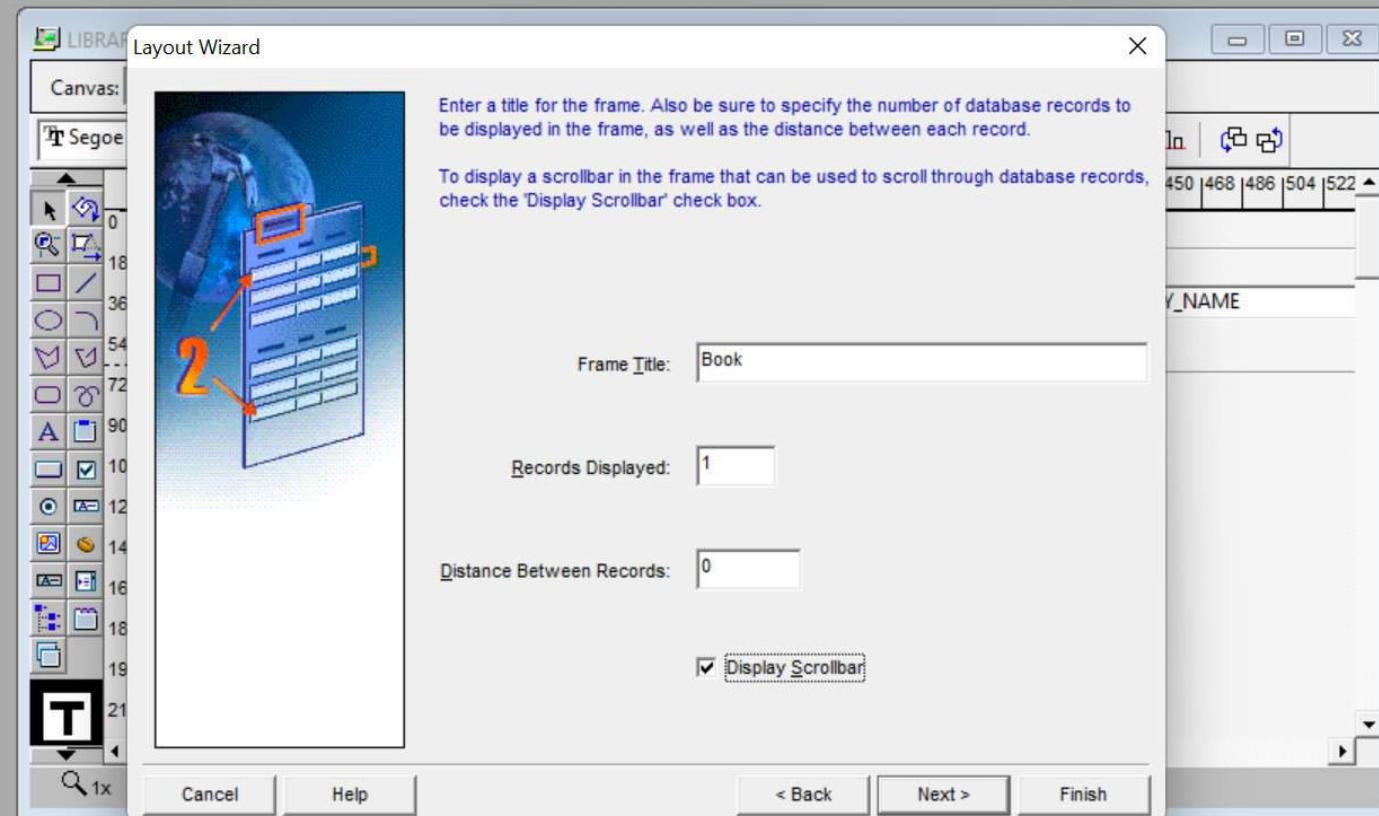




Object Navigator

BOC Find:

- Forms
- LIBRARY_PROJECT_MODULE
- Triggers
- Alerts
- Attached Libraries
- Data Blocks
 - PUBLISHING_COI
 - Triggers
 - Items
 - COMPANY
 - COMPANY
- Relations
- STAFF_INFORMA
- ORGANIZE
- DEALS_WITH
- Canvases
 - CANVAS20
 - Graphics
 - FRAME34
 - STAFF_ORGANIZE
 - Graphics
 - FRAME5
 - TEXT8
 - FRAME26
 - FRAME29
- Editors
- Events
- LOVs
- Object Groups





Canvas: CANVAS20

Block: PUBLISHING_COMPANY

Segoe UI

9

B

I

U



0 | 18 | 36 | 54 | 72 | 90 | 108 | 126 | 144 | 162 | 180 | 198 | 216 | 234 | 252 | 270 | 288 | 306 | 324 | 342 | 360 | 378 | 396 | 414 | 432 | 450 | 468 | 486 | 504 | 522 | 540 | 558 | 576 | 594 | 612 | 630 | 648 | 666 | 684 | 702 | 720 | 738 | 756 | 774 | 792 | 810 | 828 | 846 | 864 | 882

0 Publishing_Company

18 Company Id COMPANY_ID

Company Name COMPANY_NAME

90 Book

Book Id	Title	No Of Pages	No Of Copies	Cabinet	Shelf	Author Id	Company Id
BOOK_ID	TITLE	NO_OF_PAGES	NO_OF_COPIES	CAE	SHELF	AUTHOR_ID	COMPANY_ID

T

1x 571.50 321.75

Module built successfully.

Mod: _PROJECT_MODULE File: roject\LIBRARY_PROJECT_MODULE.fmb

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Stop sharing

Hide



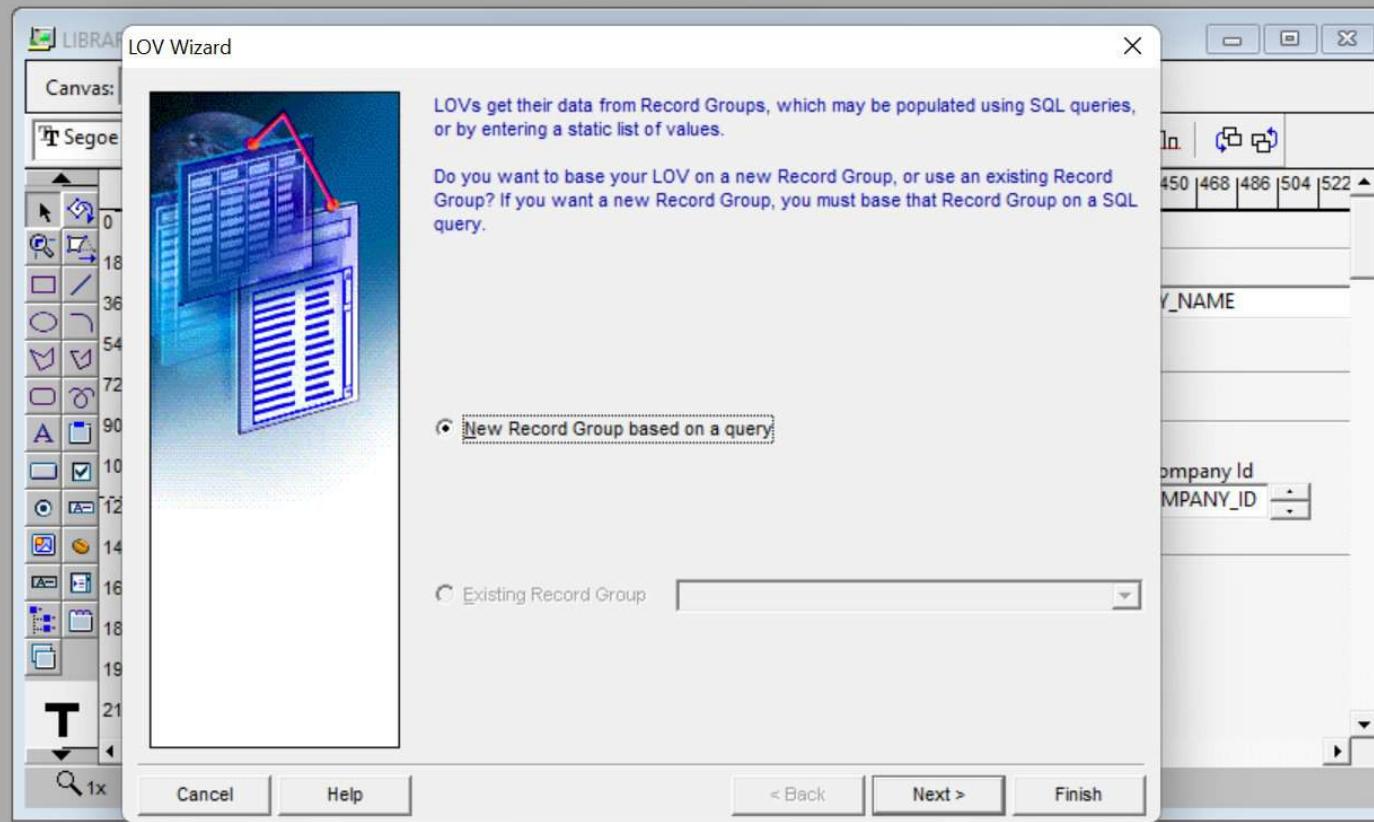
11:58 PM
12/5/2025



Object Navigator

Find:

- + Graphics
 - FRAME34
 - FRAME37
 - STAFF_ORGANIZE
 - Graphics
 - FRAMES
 - TEXT8
 - FRAME26
 - FRAME29
- Editors
- Events
- LOVs
- Object Groups
- Parameters
- Popup Menus
- + Program Units
 - CHECK_PACKAGE
 - CLEAR_ALL_MAS
 - QUERY_MASTER
- Property Classes
- Record Groups
- Reports
- Visual Attributes
- + Windows
 - MODULE2
 - Triggers
 - Alerts
 - Attached Libraries
 - Data Blocks
 - STAFF



Close the window (saving any changes that may have been made).

Mod: _PROJECT_MODULE File: rojectLIBRARY_PROJECT_MODULE.fmb

12:05 AM
12/6/2025



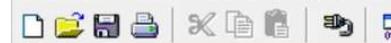
Object Navigator

- + Edit
- Event
- LOV
- Obj
- Para
- Pop
- Proj
- + Rec
- + Rep
- + Visu
- + Win
- MO
- + Triggers
- + Alerts
- + Attached Libraries
- + Data Blocks

Close the window (saving any changes that may have been made).

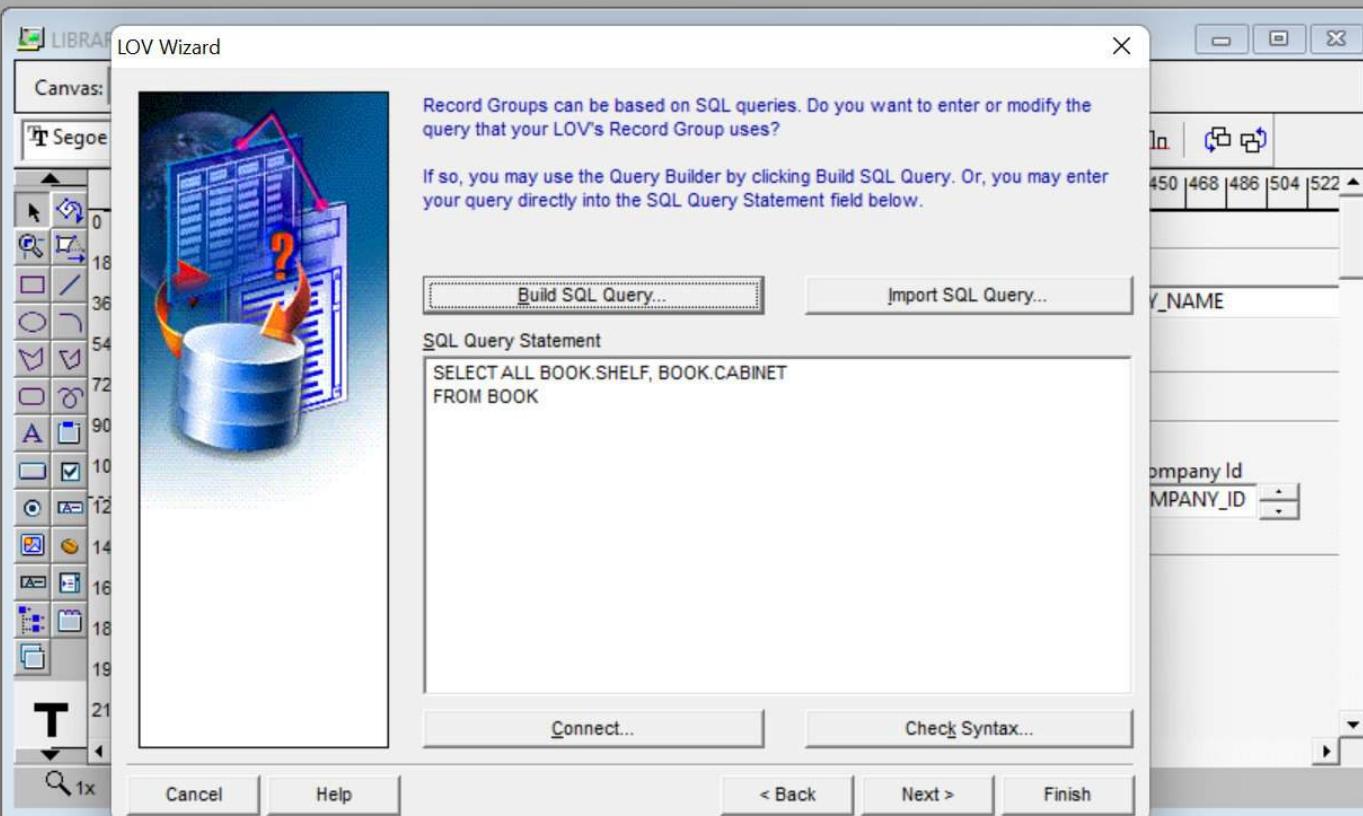
Mod: _PROJECT_MODULE File: project\LIBRARY_PROJECT_MODULE.fmb





Object Navigator

- +
-
- Find:
- Graphics
 - FRAME34
 - FRAME37
 - STAFF_ORGANIZE
 - Graphics
 - FRAMES
 - TEXT8
 - FRAME26
 - FRAME29
- Editors
- Events
- LOVs
- Object Groups
- Parameters
- Popup Menus
- Program Units
 - CHECK_PACKAGE
 - CLEAR_ALL_MAS
 - QUERY_MASTER
- Property Classes
- Record Groups
- Reports
- Visual Attributes
- Windows
 - MODULE2
 - Triggers
 - Alerts
 - Attached Libraries
 - Data Blocks
 - STAFF



Close the window (saving any changes that may have been made).

Mod: _PROJECT_MODULE File: rojectLIBRARY_PROJECT_MODULE.fmb

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Object Navigator

Find:

- + Graphics
 - FRAME34
 - FRAME37
 - STAFF_ORGANIZE
 - Graphics
 - FRAMES
 - TEXT8
 - FRAME26
 - FRAME29
- Editors
- Events
- LOVs
- Object Groups
- Parameters
- Popup Menus
- Program Units
 - CHECK_PACKAGE
 - CLEAR_ALL_MAS
 - QUERY_MASTER
- Property Classes
- Record Groups
- Reports
- Visual Attributes
- Windows
- MODULE2
- Triggers
- Alerts
- Attached Libraries
- Data Blocks

LOV Wizard

Your LOV may include some or all of the columns in the Record Group. Which Record Group columns do you wish to include in your LOV?

Record Group Columns

LOV Columns

SHELF
CABINET

< Back Next > Finish

Close the window (saving any changes that may have been made).

Mod: _PROJECT_MODULE File: rojectLIBRARY_PROJECT_MODULE.fmb

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Object Navigator

Find:

- + Graphics
 - FRAME34
 - FRAME37
 - STAFF_ORGANIZE
 - Graphics
 - FRAMES
 - TEXT8
 - FRAME26
 - FRAME29
- Editors
- Events
- LOVs
- Object Groups
- Parameters
- Popup Menus
- Program Units
 - CHECK_PACKAGE
 - CLEAR_ALL_MAS
 - QUERY_MASTER
- Property Classes
- Record Groups
- Reports
- Visual Attributes
- Windows
- MODULE2
- Triggers
- Alerts
- Attached Libraries
- Data Blocks
- STAFF

LOV Wizard



If you wish to specify the LOV column properties, you may enter a title, width and return value for each LOV column. The units for the column width is Points.

Column	Title	Width	Return value
SHELF	Shelf	36	
CABINET	Cabinet	18	

Automatically size columns

Look up return item...

Cancel

Help

< Back

Next >

Finish

Close the window (saving any changes that may have been made).

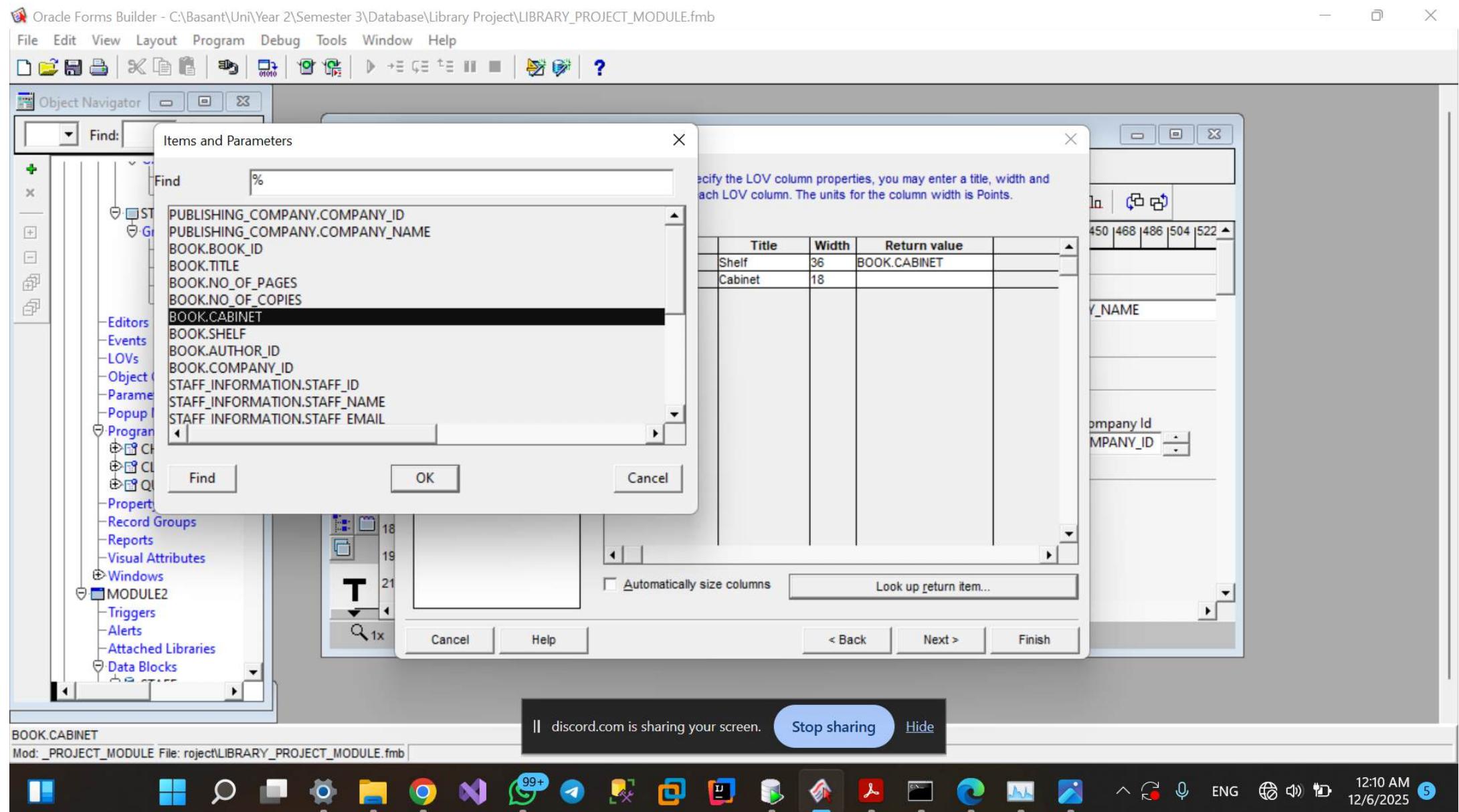
Mod: _PROJECT_MODULE File: rojectLIBRARY_PROJECT_MODULE.fmb

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Hide







Object Navigator

Find:

- + Graphics
 - FRAME34
 - FRAME37
 - STAFF_ORGANIZE
 - Graphics
 - FRAMES
 - TEXT8
 - FRAME26
 - FRAME29
- Editors
- Events
- LOVs
- Object Groups
- Parameters
- Popup Menus
- Program Units
 - CHECK_PACKAGE
 - CLEAR_ALL_MAS
 - QUERY_MASTER
- Property Classes
- Record Groups
- Reports
- Visual Attributes
- Windows
 - MODULE2
 - Triggers
 - Alerts
 - Attached Libraries
 - Data Blocks
 - STAFF

LOV Wizard

What title would you like to display in your LOV window?

Title:

What size would you like your LOV to be? The units for the LOV size and position are Points.

Width: Height:

Do you want Forms Runtime to position your LOV?

Yes, let Forms position my LOV automatically

No, I want to position it manually

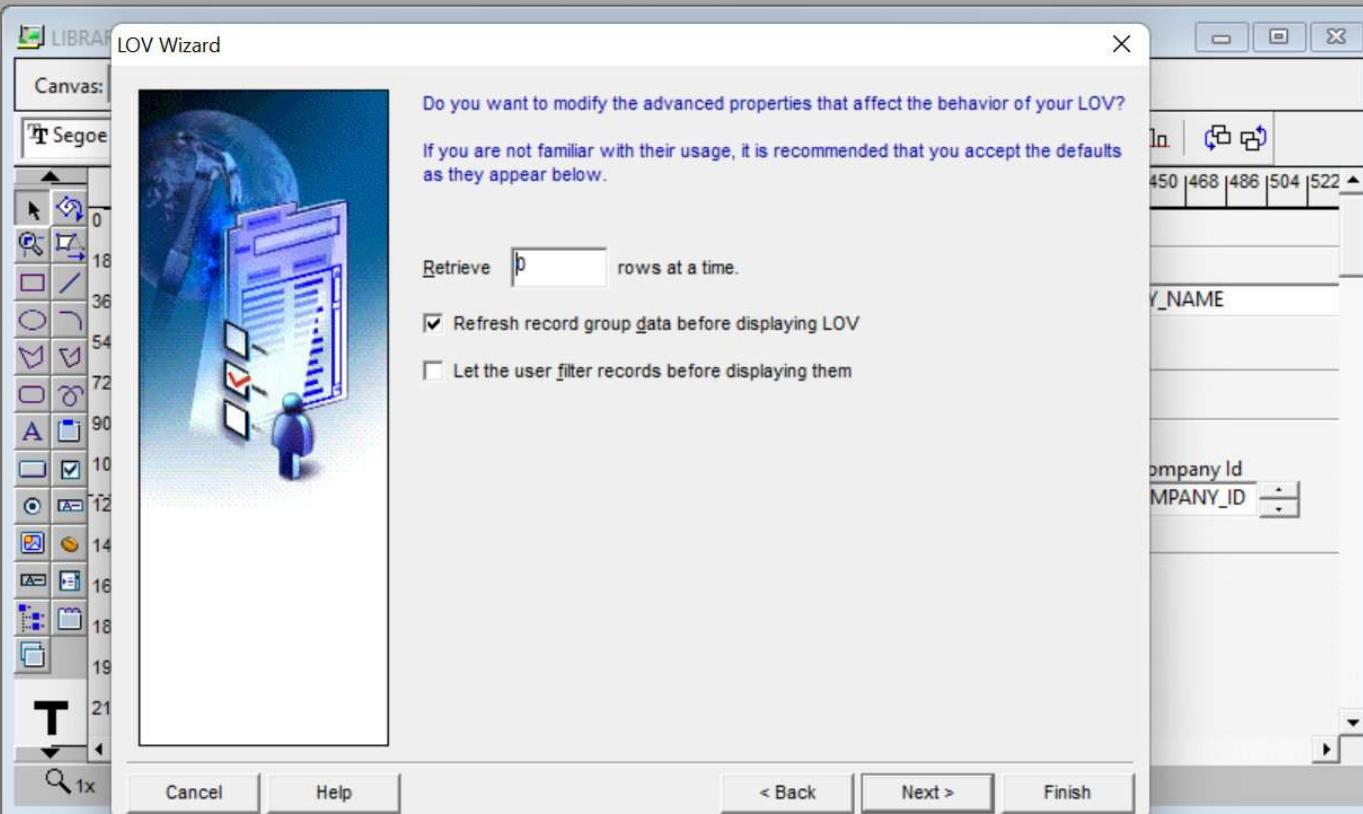
Left: Top:

Cancel Help < Back Next > Finish



Object Navigator

- Find:
- Graphics
 - FRAME34
 - FRAME37
 - STAFF_ORGANIZE
 - Graphics
 - FRAMES
 - FRAME5
 - TEXT8
 - FRAME26
 - FRAME29
- Editors
- Events
- LOVs
- Object Groups
- Parameters
- Popup Menus
- Program Units
 - CHECK_PACKAGE
 - CLEAR_ALL_MAS
 - QUERY_MASTER
- Property Classes
- Record Groups
- Reports
- Visual Attributes
- Windows
 - MODULE2
 - Triggers
 - Alerts
 - Attached Libraries
 - Data Blocks





Object Navigator

Find:

- + Graphics
 - FRAME34
 - FRAME37
 - STAFF_ORGANIZE
 - Graphics
 - FRAMES5
 - TEXT8
 - FRAME26
 - FRAME29
- Editors
- Events
- LOVs
- Object Groups
- Parameters
- Popup Menus
- + Program Units
 - CHECK_PACKAGE
 - CLEAR_ALL_MASTER
 - QUERY_MASTER
- Property Classes
- Record Groups
- Reports
- Visual Attributes
- + Windows
 - MODULE2
 - Triggers
 - Alerts
 - Attached Libraries
 - Data Blocks

LOV Wizard

You are returning values from your LOV to the following items. You may assign your LOV to some or all of these items.

To which of these items do you wish to assign your LOV?

Return Items

Assigned Items

BOOK.CABINET

< Back Next > Finish

Find: 

LOV: LOV38

General Name LOV38

› Subclass Information

› Comments

Functional Title Location

› List Type Record Group

 Record Group LOV38 Column Mapping Properties

› Filter Before Display No

 Automatic Display Yes

› Automatic Refresh Yes

No

› Automatic Select No

› Automatic Skip No

 Automatic Position Yes

› Automatic Column Width No

Physical

› X Position 0

› Y Position 0

 Width 360 Height 158

Display LOV automatically on navigation into item to which LOV is attached?

Module built successfully.

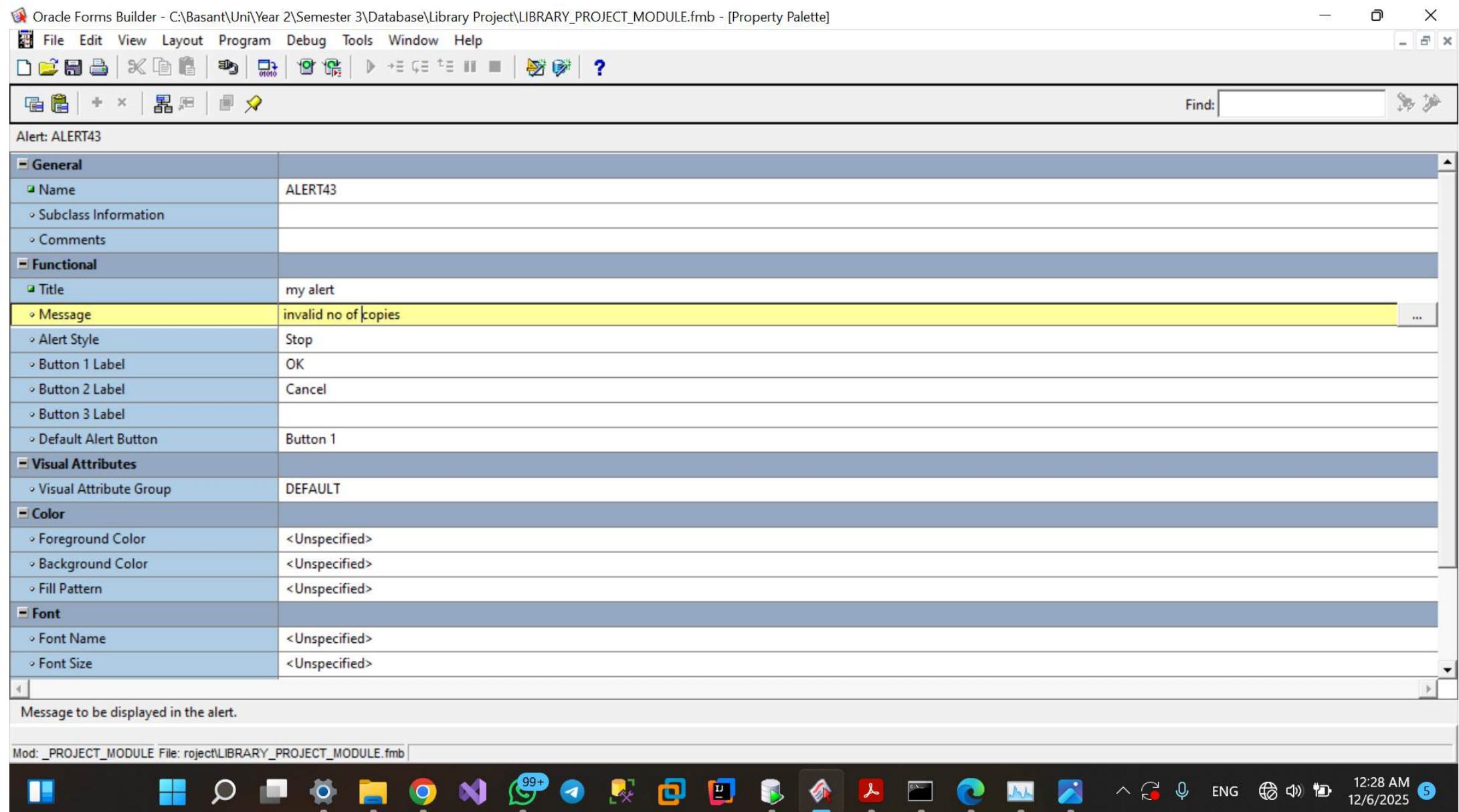
Mod: _PROJECT_MODULE File: roject\LIBRARY_PROJECT_MODULE.fmb

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Stop sharing

Hide







Object Navigator

NC Find:

- + BOOK
- Triggers
- Items
 - + BOOK_ID
 - + TITLE
 - + NO_OF_PAGES
 - + NO_OF_COPIES
 - Cut Ctrl+X
 - Copy Ctrl+C
 - Paste Ctrl+V
- Relations
- STAFF
- ORGANIZATION
- DEAL
- Canvases
 - + CANVAS
 - + STAFF
- Editors
- Events
- LOVs
 - + LOV3
- Object Groups
- Parameters
- Popup Menus
- Program Units
 - + CHECK_PACKAGE
 - + CLEAR_ALL_MAS
 - + QUERY_MASTER
- Help

- SmartTriggers >
- WHEN-VALIDATE-ITEM
- WHEN-NEW-ITEM-INSTANCE
- PRE-TEXT-ITEM
- POST-TEXT-ITEM
- WHEN-CUSTOM-ITEM-EVENT
- Other





Object Navigator

Find: []

- + Triggers
- Alerts
- ALERT43
- Attached Libraries
- + Data Blocks
 - + PUBLISHING_COMPANY
 - + BOOK
 - + Triggers
 - + Items
 - + BOOK_ID
 - + TITLE
 - + NO_OF_PAGES
 - + NO_OF_COPIES
 - + Triggers
 - + WHEN_VALIDATE-ITEM
 - + CABINET
 - + SHELF
 - + AUTHOR_ID
 - + COMPANY
 - + Relations
 - + STAFF_INFORMATION
 - + ORGANIZE
 - + DEALS_WITH
 - + Canvases
 - + CANVAS20
 - + STAFF_ORGANIZE
 - Editors
 - Events

PL/SQL Editor

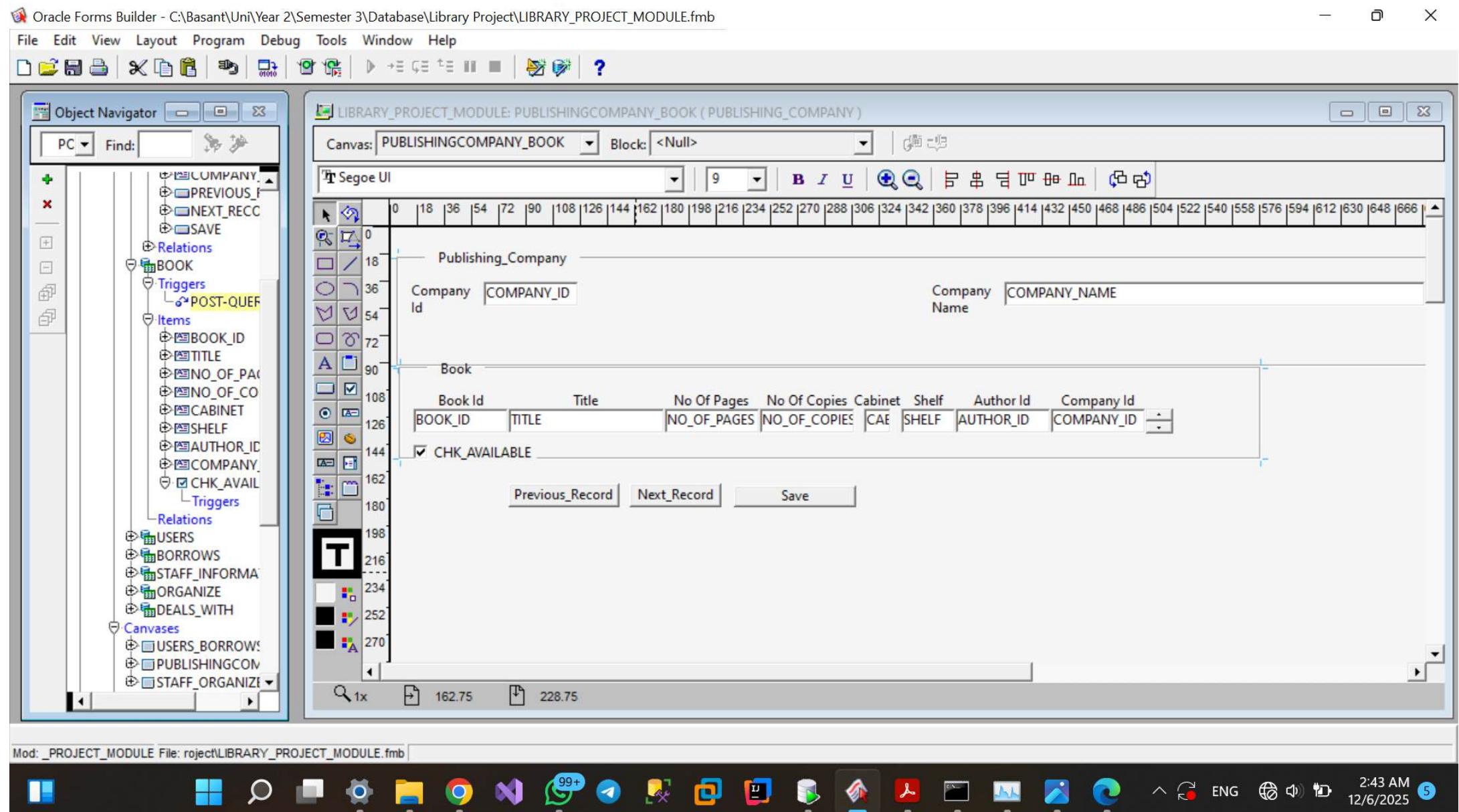
Name: WHEN-VALIDATE-ITEM

Type: Trigger Object: BOOK NO_OF_COPIES

```
1 Declare
2 b number;
3 Begin
4 If :BOOK.No_of_Copies < 0 then
5 b:= show_alert ('alertname');
6 If b= 88 then
7 Message ('you pressed the first button');
8 Elsif b= 89 then
9 Message ('you pressed the second button');
10 End if;
11 End if;
12 End;
```

Not Modified Successfully Compiled







Item: CHK_AVAILABLE

General	
Name	CHK_AVAILABLE
Item Type	Check Box
Subclass Information	
Comments	
Help Book Topic	
Functional	
Enabled	Yes
Label	CHK_AVAILABLE
Access Key	
Implementation Class	
Value when Checked	Y
Value when Unchecked	N
Check Box Mapping of Other Values	Unchecked
Popup Menu	<Null>
Navigation	
Keyboard Navigable	Yes
Mouse Navigate	Yes
Previous Navigation Item	<Null>
Next Navigation Item	<Null>
Data	

General

Mod: _PROJECT_MODULE File: roject\LIBRARY_PROJECT_MODULE.fmb





Object Navigator LIBRARY_PROJECT_MODULE: PUBLISHINGCOMPANY_BOOK (PUBLISHING_COMPANY)

LIBRARY_PROJECT_MODULE: Triggers

Find: poST-%

Find

- POST-BLOCK
- POST-CHANGE
- POST-DELETE
- POST-INSERT
- POST-LOGON
- POST-LOGOUT
- POST-QUERY
- POST-RECORD
- POST-SELECT
- POST-TEXT-ITEM
- POST-UPDATE

OK Cancel

Company Name COMPANY_NAME

Of Pages No Of Copies Cabinet Shelf Author Id Company Id

OF_PAGES NO_OF_COPIES CAE SHELF AUTHOR_ID COMPANY_ID

Save

Canvases

- USERS
- BORROWS
- STAFF_INFORMA
- ORGANIZE
- DEALS_WITH
- Canvases
- USERS_BORROW
- PUBLISHINGCOM
- STAFF_ORGANIZE
- Editors

198
216
234
252
270

1x 27.75 84.75

POST-QUERY

Mod: _PROJECT_MODULE File: roject\LIBRARY_PROJECT_MODULE.fmb



2:42 AM 12/6/2025 5

File Edit View Layout Program Debug Tools Window Help



Name: POST-QUERY

Type: Trigger

Object: BOOK

(Data Block Level)

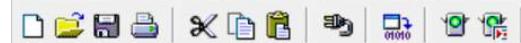
```
1 IF :BOOK.NO_OF_COPIES > 0 THEN
2   :BOOK.CHK_AVAILABLE := 'Y';
3 ELSE
4   :BOOK.CHK_AVAILABLE := 'N';
5 END IF;
6
```

Modified

Not Compiled

Mod: _PROJECT_MODULE File: roject\LIBRARY_PROJECT_MODULE.fmb

2:43 AM
12/6/2025



Object Navigator

Find:

- Forms
- LIBRARY_PROJECT_MO
- Triggers
- Alerts
- ALERT43
- Attached Libraries
- Data Blocks
 - PUBLISHING_COI
 - BOOK
 - STAFF_INFORMATION
 - ORGANIZE
 - DEALS_WITH
- Canvases
 - CANVAS44
 - PUBLISHINGCOM
 - STAFF_ORGANIZE
- Editors
- Events
- LOVs
- Object Groups
- Parameters
- Popup Menus
- Program Units
- Property Classes
- Record Groups
- Reports
- Visual Attributes
- Windows
- Menus

LIBRARY_PROJECT_MODULE: CANVAS44 (PUBLISHING_COMPANY)

Canvas: CANVAS44 Block: <Null>

Segoe UI

New Data Block

Create a new data block

Use the Data Block Wizard

Build a new data block manually

OK Cancel Help

0 18 36 54 72 90 108 126 144 162 180 198 216

306 324 342 360 378 396 414 432 450 468 486 504 522

Build a new block using the Data Block Wizard

Mod: _PROJECT_MODULE File: roject\LIBRARY_PROJECT_MODULE.fmb





Object Navigator

Find:

- Forms
 - LIBRARY_PROJECT_MO
 - Triggers
 - Alerts
 - ALERT43
 - Attached Libraries
 - Data Blocks
 - PUBLISHING_COI
 - BOOK
 - STAFF_INFORMATION
 - ORGANIZE
 - DEALS_WITH
 - Canvases
 - CANVAS44
 - PUBLISHINGCOM
 - STAFF_ORGANIZE
 - Editors
 - Events
 - LOVs
 - Object Groups
 - Parameters
 - Popup Menus
 - Program Units
 - Property Classes
 - Record Groups
 - Reports
 - Visual Attributes
 - Windows
- Menus

Data Block Wizard

Select the type of data block you would like to create by clicking on a radio button below.

Note: To base your data block on a set of stored procedures, you should have a working knowledge of PL/SQL programming.

Table or View

Stored Procedure

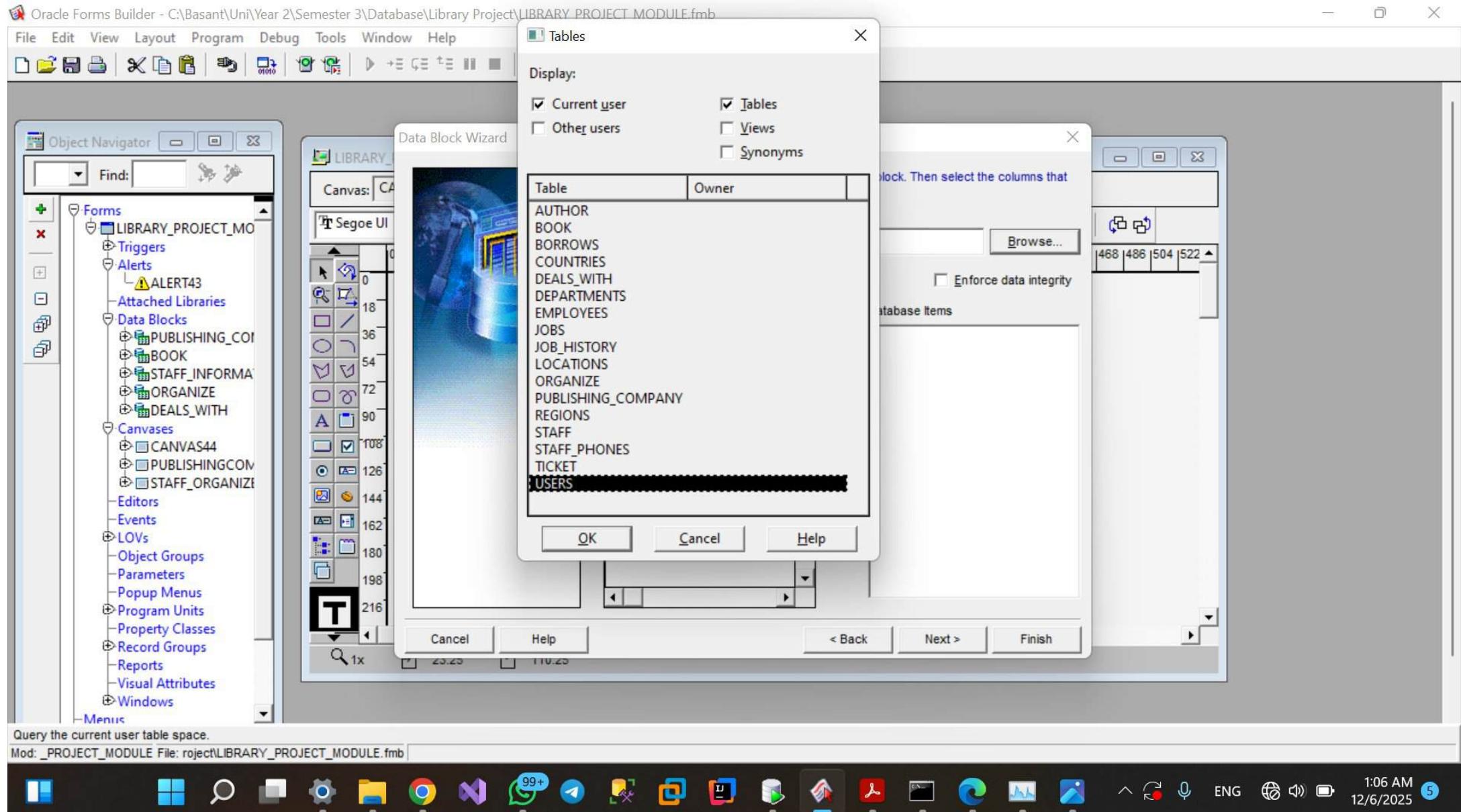
Cancel Help < Back Next > Finish

Close the window (saving any changes that may have been made).

Mod: _PROJECT_MODULE File: rojectLIBRARY_PROJECT_MODULE.fmb



1:06 AM
12/6/2025





Object Navigator

Find:

- Forms
 - LIBRARY_PROJECT_MODULE
 - Triggers
 - Alerts
 - ALERT43
 - Attached Libraries
 - Data Blocks
 - PUBLISHING_COI
 - BOOK
 - STAFF_INFORMATION
 - ORGANIZE
 - DEALS_WITH
 - Canvases
 - CANVAS44
 - PUBLISHINGCOM
 - STAFF_ORGANIZE
 - Editors
 - Events
 - LOVs
 - Object Groups
 - Parameters
 - Popup Menus
 - Program Units
 - Property Classes
 - Record Groups
 - Reports
 - Visual Attributes
 - Windows
 - Menus

Data Block Wizard

Enter a table or view on which to base your data block. Then select the columns that should appear as items.

Table or view:

Enforce data integrity

Available Columns

Database Items

- USER_ID
- USER_NAME
- EMAIL
- FINES

Cancel Help < Back Next > Finish

468	486	504



Object Navigator

Find:

- Forms
 - LIBRARY_PROJECT_MODULE
 - Triggers
 - Alerts
 - ALERT43
 - Attached Libraries
 - Data Blocks
 - PUBLISHING_COI
 - BOOK
 - STAFF_INFORMATION
 - ORGANIZE
 - DEALS_WITH
 - Canvases
 - CANVAS44
 - PUBLISHINGCOM
 - STAFF_ORGANIZE
 - Editors
 - Events
 - LOVs
 - Object Groups
 - Parameters
 - Popup Menus
 - Program Units
 - Property Classes
 - Record Groups
 - Reports
 - Visual Attributes
 - Windows
 - Menus

Data Block Wizard

Enter a name for your data block.

Data Block Name:

Cancel Help < Back Next > Finish

Mod: _PROJECT_MODULE File: roject\LIBRARY_PROJECT_MODULE.fmb





Object Navigator

USE Find:

- Forms
- Triggers
- Alerts
- ALERT43
- Attached Libraries
- Data Blocks
 - PUBLISHING_COI
 - BOOK
 - STAFF_INFORMATION
 - ORGANIZE
 - DEALS_WITH
- Canvases
 - CANVAS44
 - PUBLISHINGCOM
 - STAFF_ORGANIZE
- Editors
- Events
- LOVs
- Object Groups
- Parameters
- Popup Menus
- Program Units
- Property Classes
- Record Groups
- Reports
- Visual Attributes
- Windows
- Menus

Layout Wizard

Select the canvas on which you wish to lay out the data block's items. If you are creating a new canvas, also be sure to select the appropriate canvas type.

Canvas: CANVAS44

Type: Content

If you select a tab canvas, then you also must select a tab page on which to lay out the data block's items.

Tab Page: (New Tab Page)

Cancel Help < Back Next > Finish





Object Navigator

USE Find:

- Forms
 LIBRARY_PROJECT_MODULE
 Triggers
 Alerts
 ALERT43
 Attached Libraries
 Data Blocks
 PUBLISHING_COI
 BOOK
 STAFF_INFORMATION
 ORGANIZE
 DEALS_WITH
 Canvases
 CANVAS44
 PUBLISHINGCOM
 STAFF_ORGANIZE
 Editors
 Events
 LOVs
 Object Groups
 Parameters
 Popup Menus
 Program Units
 Property Classes
 Record Groups
 Reports
 Visual Attributes
 Windows
 Menus

Layout Wizard

Select the data block you wish to lay out. Then select the items that should be displayed in the frame, and select an item type for each.

Data Block: USERS

Available Items

Displayed Items

- USER_ID
- USER_NAME
- EMAIL
- FINES

Item Type: Bean Area

View: Group

Cancel Help < Back Next > Finish



Object Navigator

USE Find:

- Forms
LIBRARY_PROJECT_MODULE
- Triggers
- Alerts
ALERT43
- Attached Libraries
- Data Blocks
 - PUBLISHING_COI
 - BOOK
 - STAFF_INFORMATION
 - ORGANIZE
 - DEALS_WITH
- Canvases
 - CANVAS44
 - PUBLISHINGCOM
 - STAFF_ORGANIZE
- Editors
- Events
- LOVs
- Object Groups
- Parameters
- Popup Menus
- Program Units
- Property Classes
- Record Groups
- Reports
- Visual Attributes
- Windows
- Menus

Layout Wizard

Enter a prompt, width, and height for each item. The units for item width and height are Points.

Name	Prompt	Width	Height
USER_ID	User Id	63	16
USER_NAME	User Name	459	16
EMAIL	Email	549	16
FINES	Fines	117	16

Cancel Help < Back Next > Finish

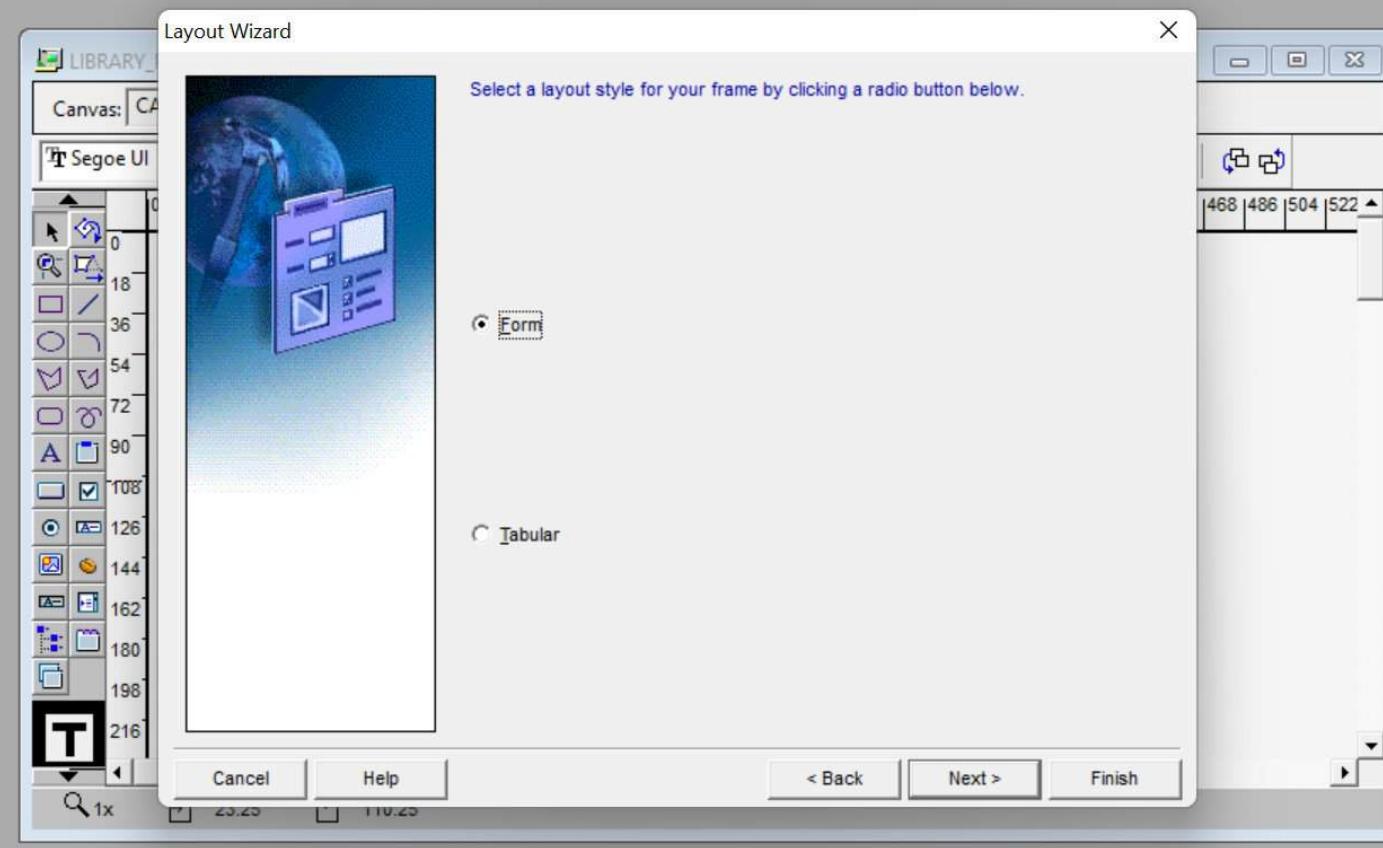
468 486 504 522



Object Navigator

USE Find:

- Forms
LIBRARY_PROJECT_MODULE
- Triggers
- Alerts
ALERT43
- Attached Libraries
- Data Blocks
PUBLISHING_COI, BOOK, STAFF_INFORMATION, ORGANIZE, DEALS_WITH
- Canvases
CANVAS44, PUBLISHINGCOM, STAFF_ORGANIZE
- Editors
- Events
- LOVs
- Object Groups
- Parameters
- Popup Menus
- Program Units
- Property Classes
- Record Groups
- Reports
- Visual Attributes
- Windows
- Menus





Object Navigator

USE Find:

- Forms
LIBRARY_PROJECT_MODULE
- Triggers
- Alerts
ALERT43
- Attached Libraries
- Data Blocks
 - PUBLISHING_COI
 - BOOK
 - STAFF_INFORMATION
 - ORGANIZE
 - DEALS_WITH
- Canvases
 - CANVAS44
 - PUBLISHINGCOM
 - STAFF_ORGANIZE
- Editors
- Events
- LOVs
- Object Groups
- Parameters
- Popup Menus
- Program Units
- Property Classes
- Record Groups
- Reports
- Visual Attributes
- Windows
- Menus

Layout Wizard

Enter a title for the frame. Also be sure to specify the number of database records to be displayed in the frame, as well as the distance between each record.

To display a scrollbar in the frame that can be used to scroll through database records, check the 'Display Scrollbar' check box.

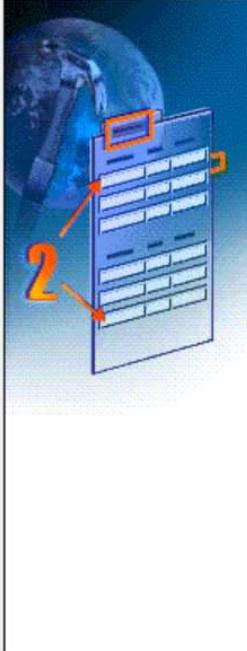
Frame Title:

Records Displayed:

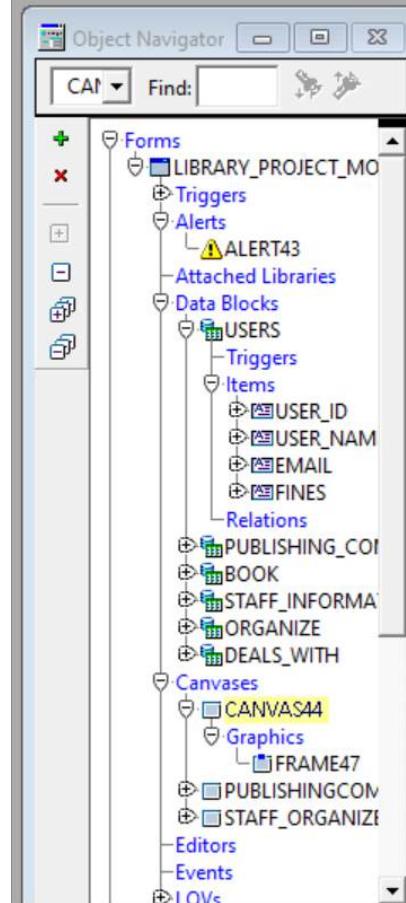
Distance Between Records:

Display Scrollbar

Cancel Help < Back Next > Finish



Canvas: CA Segoe UI 0 18 36 54 72 90 108 126 144 162 180 198 216



LIBRARY_PROJECT_MODULE: CANVAS44 (PUBLISHING_COMPANY)

Canvas: CANVAS44 Block: PUBLISHING_COMPANY

Segoe UI

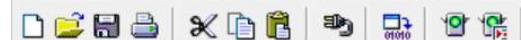
Users

User Id	User Name	Email	Fines
USER_ID	USER_NAME	EMAIL	FINES

18 36 54 72 90 108 126 144 162 180 198 216 234 252 270 288 306 324 342 360 378 396 414 432 450 468 486 504 522

0 18 36 54 72 90 108 126 144 162 180 198 216 234 252 270 288 306 324 342 360 378 396 414 432 450 468 486 504 522

1x 284.25 171.00



Object Navigator

Find:

Attached Libraries

- Data Blocks
 - USERS
 - Triggers
 - Items
 - USER_ID
 - USER_NAM
 - EMAIL
 - FINES
 - Relations
 - PUBLISHING_COI
 - BOOK
 - STAFF_INFORMA
 - ORGANIZE
 - DEALS_WITH

Canvases

 - CANVAS44
 - Graphics
 - FRAME47

Editors

Events

LOVs

Object Groups

Parameters

Popup Menus

Program Units

Dictionaries

LIBRARY_PROJECT_MODULE: CANVAS44 (PUBLISHING_COMPANY)

Canvas: CANVAS44 Block: <Null>

Segoe UI

New Data Block

Create a new data block

Use the Data Block Wizard

Build a new data block manually

OK Cancel Help

Users

User Id: USER_ID

User Name: USER_NAM

Email: EMAIL

Fines: FINES

0 18 36 54 72 90 108 126 144 162 180 198 216

Build a new block using the Data Block Wizard

Mod: _PROJECT_MODULE File: project\LIBRARY_PROJECT_MODULE.fmb



1:10 AM

12/6/2025



Object Navigator

Find:

- + Attached Libraries
- Data Blocks
 - DATA BLOCKS
 - USERS
 - + Triggers
 - + Items
 - + USER_ID
 - + USER_NAM
 - + EMAIL
 - + FINES
 - + Relations
 - + PUBLISHING_COI
 - + BOOK
 - + STAFF_INFORMA
 - + ORGANIZE
 - + DEALS_WITH- Canvases
 - + CANVAS44
 - + Graphics
 - + FRAME47
 - + PUBLISHINGCOM
 - + STAFF_ORGANIZE
- Editors
- Events
- + LOVs
- Object Groups
- Parameters
- Popup Menus
- + Program Units
- Dropouts/Clearer

Data Block Wizard

Select the type of data block you would like to create by clicking on a radio button below.

Note: To base your data block on a set of stored procedures, you should have a working knowledge of PL/SQL programming.

Table or View

Stored Procedure

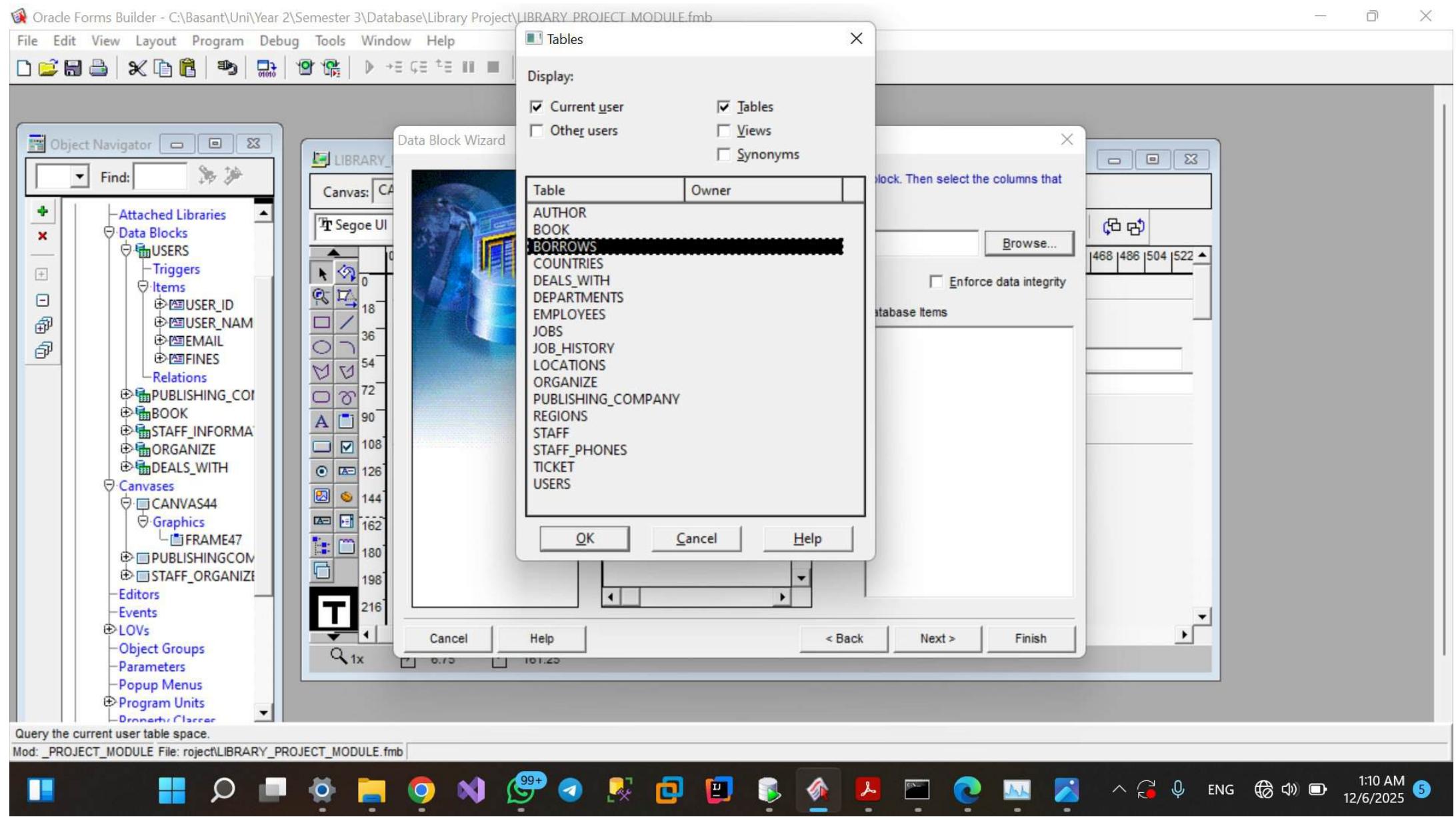
Cancel Help < Back Next > Finish

Close the window (saving any changes that may have been made).

Mod: _PROJECT_MODULE File: roject\LIBRARY_PROJECT_MODULE.fmb



1:10 AM
12/6/2025





Object Navigator

Find:

- Attached Libraries
- Data Blocks
 - USERS
 - Items
 - USER_ID
 - USER_NAM
 - EMAIL
 - FINES
 - Relations
 - PUBLISHING_COI
 - BOOK
 - STAFF_INFORMA
 - ORGANIZE
 - DEALS_WITH
 - Canvases
 - CANVAS44
 - Graphics
 - FRAME47
 - PUBLISHINGCOM
 - STAFF_ORGANIZE
 - Editors
 - Events
 - LOVs
 - Object Groups
 - Parameters
 - Popup Menus
 - Program Units
 - Properties/Classes

Data Block Wizard

Enter a table or view on which to base your data block. Then select the columns that should appear as items.

Table or view:

Enforce data integrity

Available Columns

Database Items

- USER_ID
- BOOK_ID
- BORROW_DATE
- RETURN_BOOK_DATE

Cancel Help < Back Next > Finish

468	486	504	522



Object Navigator

Find:

- Attached Libraries
- Data Blocks
 - USERS
 - Triggers
 - Items
 - USER_ID
 - USER_NAM
 - EMAIL
 - FINES
 - Relations
 - PUBLISHING_COI
 - BOOK
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 - DEALS_WITH
- Canvases
 - CANVAS44
 - Graphics
 - FRAME47
- Editors
- Events
- LOVs
- Object Groups
- Parameters
- Popup Menus
- Program Units
- Drop-in Classes

Data Block Wizard

You may optionally create and delete master-detail relationships to other data blocks in your form.

Master Data Blocks

USERS

Create Relationship... Auto-join data blocks

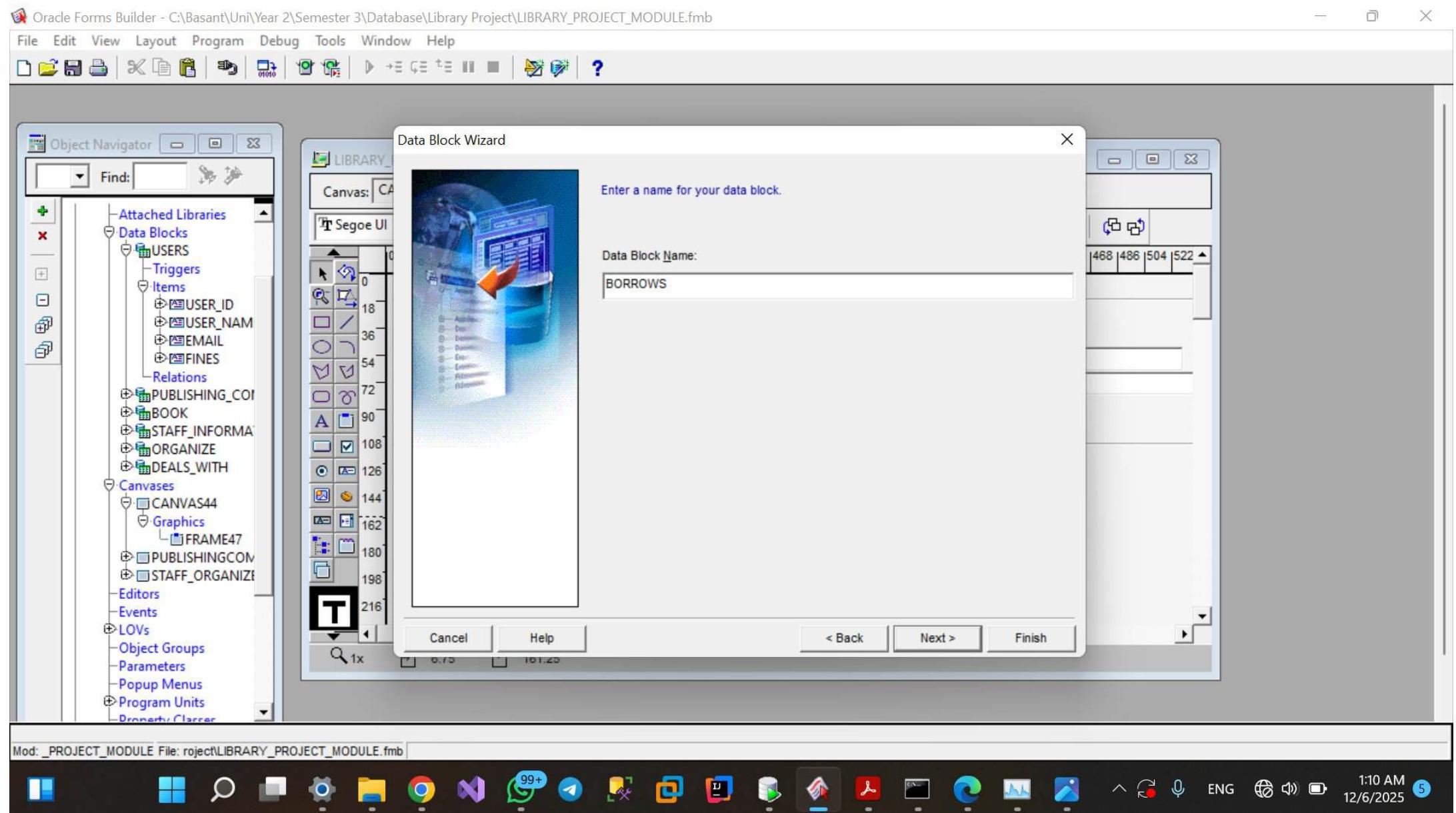
Delete Relationship

Detail Item: **USER_ID**

Master Item: **USER_ID**

Join Condition:
BORROWS.USER_ID = USERS.USER_ID

Cancel Help < Back Next > Finish





Object Navigator

BOF Find:

- Attached Libraries
- Data Blocks
 - USERS
 - Triggers
 - Items
 - USER_ID
 - USER_NAM
 - EMAIL
 - FINES
 - Relations
 - PUBLISHING_COI
 - BOOK
 - STAFF_INFORMA
 - ORGANIZE
 - DEALS_WITH
 - Canvases
 - CANVAS44
 - Graphics
 - FRAME47
 - Editors
 - Events
 - LOVs
 - Object Groups
 - Parameters
 - Popup Menus
 - Program Units
 - Properties/Classes

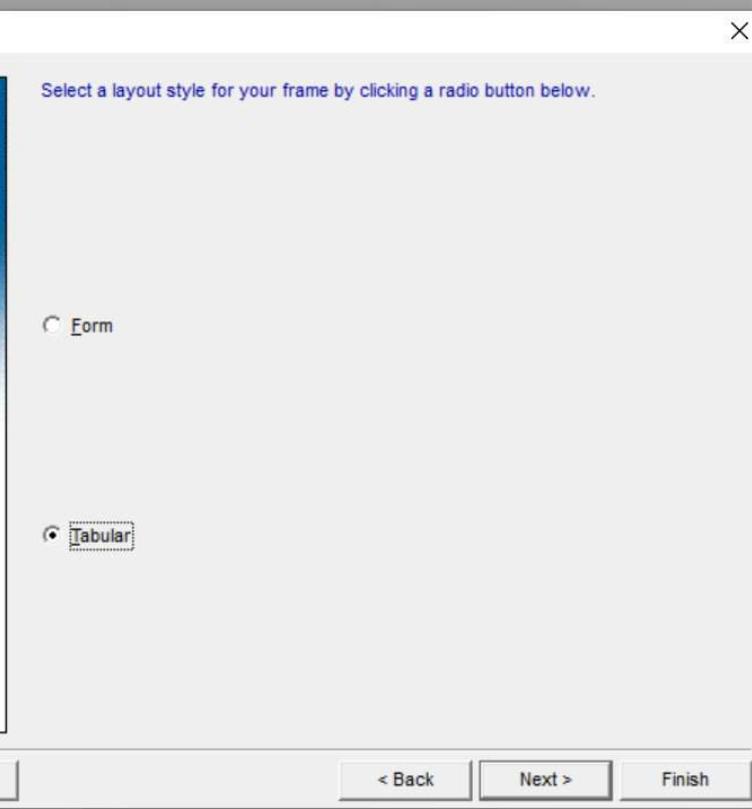
LIBRARY_PROJECT_MODULE

Canvas: CA

Segoe UI

0 18 36 54 72 90 108 126 144 162 180 198 216

Cancel Help < Back Next > Finish



468 486 504 522



Object Navigator

BOF Find:

- Attached Libraries
- Data Blocks
 - USERS
 - Triggers
 - Items
 - USER_ID
 - USER_NAM
 - EMAIL
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 - Relations
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 - BOOK
 - STAFF_INFORMA
 - ORGANIZE
 - DEALS_WITH- Canvases
 - CANVAS44
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Layout Wizard

Enter a title for the frame. Also be sure to specify the number of database records to be displayed in the frame, as well as the distance between each record.

To display a scrollbar in the frame that can be used to scroll through database records, check the 'Display Scrollbar' check box.

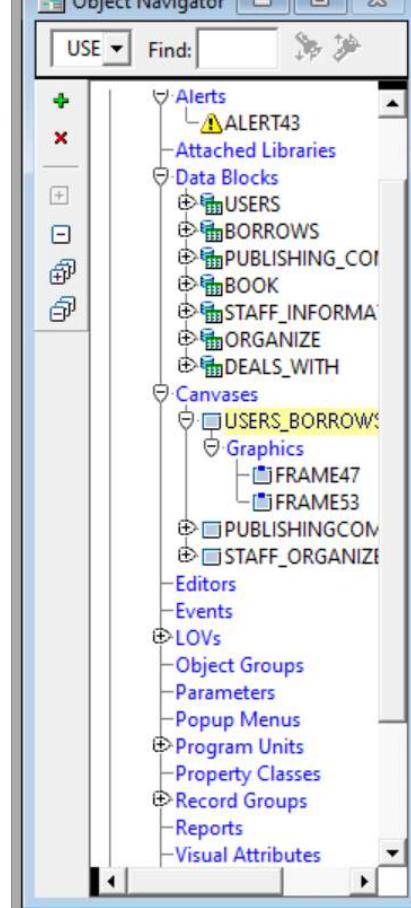
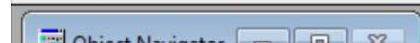
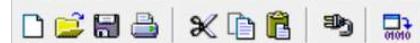
Frame Title:

Records Displayed:

Distance Between Records:

Display Scrollbar

Cancel Help < Back Next > Finish



LIBRARY_PROJECT_MODULE: USERS_BORROWS (PUBLISHING_COMPANY)

Canvas: USERS_BORROWS Block: PUBLISHING_COMPANY

Segoe UI

Users

User Id	USER_ID
User Name	USER_NAME
Email	EMAIL
Fines	FINES

Borrows

User Id	Book Id	Borrow Date	Return Book Date
USER_ID	BOOK_ID	BORROW_DATE	RETURN_BOOK_DATE

Module built successfully.

Mod: _PROJECT_MODULE File: roject\LIBRARY_PROJECT_MODULE.fmb

1:15 AM
12/6/2025