**Repeating table in PowerApps**

we will create the Repeating Section with PowerApps forms.

**Home Screen:**

Graphical user interface

Description automatically generated with medium confidence

**Add Screen:**

Graphical user interface, application

Description automatically generated

**Steps:**

**List Column Contains**

Title(Default Column)

Description(Multiple Line of Text - To store repeated column values)

Now, we want to create a Repeating Section for the following three columns on the form. But all value(3 Column) will be stored in Description Column in SP List

1. Role
2. Year When Used
3. Total Experience

**Create 2 screens as View Screen and Add Screen**

**View Screen:**

Add one gallery that display Title and Description

Add one “+” icon outside of gallery that will redirect to “Add Screen” and write event as:

ResetForm(Form1);

NewForm(Form1);

Clear(NewCollection);

UpdateContext({AllItemsString: ""});

Navigate(Add, ScreenTransition.None );

Graphical user interface, application

Description automatically generated

**Add Screen:**

**Add Form to the screen and keep both Title and Description(hidden by default)**

1. Add a new screen as Add Screen.
2. Add a New Form and set data source as SP List.
3. We have a column named “Description” to store the value of the Repeating Section. Just hide that column as of now.
4. We can’t add the Repeating section inside the PowerApps form. So, we will add the gallery(repeating section) outside the form.
5. Add + icon to add the new row in Repeating section.

Add the following line of code.

1. Collect(
2. NewCollection,
3. {
4. CItemSerialNumber: Text(Last(NewCollection).CItemSerialNumber + 1),
5. Clevel: "",
6. Ctc: "",
7. Cdescription: ""
8. }
9. )

The form should look like:

A picture containing chart

Description automatically generated

**Note**: Here the “+” icon is kept outside of the Form we added above.

Now, Add Gallery(renamed as RepeatingTable) with the following controls.

Graphical user interface

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Graphical user interface, application

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In the gallery’s data source, add the “NewCollection” collection that we just created.

Add below code on click of Cancel icon

RemoveIf(NewCollection,CItemSerialNumber = ThisItem.CItemSerialNumber)

Add "Save" button with the following line of code.

1. UpdateContext(
2. {
3. NewItemsString: Concat(
4. RepeattingTable.AllItems,
5. Concatenate(
6. lblSrNo.Text,
7. ";",
8. Dropdown1.SelectedText.Value,
9. ";",
10. txtContent1.Text,
11. ";",
12. txtContent2.Text,
13. ";",
14. "|"
15. )
16. )
17. }
18. );
19. SubmitForm(Form1);

Once we add the code mentioned in the above step, we will need to add the following variable to the “RepeatingSection” datacard which we hide in above steps

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Now, on Form’s OnSuccess event, navigate the user to the HomePage. Add the following line of code.

Graphical user interface, application

Description automatically generated

1. Navigate(HomePage,ScreenTransition.None)

Go to the HomePage which we have created in “Step 1” section. Add the following line of code on the New button’s click event.

1. ResetForm(Form1);
2. NewForm(Form1);
3. Clear(NewCollection);
4. UpdateContext({AllItemsString: ""});
5. Navigate(
6. NewForm,
7. ScreenTransition.None
8. );

Graphical user interface, application

Description automatically generated

**Edit Screen:**

**Add Edit Form to the screen and keep both Title and Description(hidden by default)**

Write the below code on the “OnSelect” event of the view Screen for gallery.

Navigate(EditPage,ScreenTransition.None,{SelectedItem:Gallery1.Selected})

**Graphical user interface, application

Description automatically generated**

Add “SelectedItem” which we have passed as a variable in step above

**Graphical user interface, application

Description automatically generated**

Add the following code snippet in the OnVisible event of the edit form.

1. UpdateContext({EditStringVal: SelectedItem.Description});
2. Clear(EditCols);
3. Set(Editstr,SelectedItem.Description);
4. Set(
5. Editstr,
6. Left(
7. Editstr,
8. Len(Editstr) - 1
9. )
10. );
11. ForAll(
12. Split(
13. Editstr,
14. "|"
15. ),
16. Collect(
17. EditCols,
18. {
19. CItemSerialNumber: Text(
20. Last(
21. FirstN(
22. Split(
23. Result,
24. ";"
25. ).Result,
26. 1
27. ).Result
28. ).Result
29. ),
30. Clevel: Text(
31. Last(
32. FirstN(
33. Split(
34. Result,
35. ";"
36. ).Result,
37. 2
38. ).Result
39. ).Result
40. ),
41. Ctc: Text(
42. Last(
43. FirstN(
44. Split(
45. Result,
46. ";"
47. ).Result,
48. 3
49. ).Result
50. ).Result
51. ),
52. Cdescription: Text(
53. Last(
54. FirstN(
55. Split(
56. Result,
57. ";"
58. ).Result,
59. 4
60. ).Result
61. ).Result
62. )
63. }
64. )
65. )

Graphical user interface, text, application

Description automatically generated

Now let’s add the Gallery control with labels, buttons, and dropdowns and set the items of Grid as “EditCols”

Graphical user interface, application

Description automatically generated

Now add one “+” icon and write event as:

1. Collect(
2. EditCols,
3. {
4. CItemSerialNumber: Text(Last(EditCols).CItemSerialNumber + 1),
5. Clevel: "",
6. Ctc: "",
7. Cdescription: ""
8. }
9. )

Graphical user interface, text, application

Description automatically generated

Close Button Code

1. RemoveIf(EditCols,CItemSerialNumber = ThisItem.CItemSerialNumber)

Update button Code

1. UpdateContext(
2. {
3. EditStringVal: Concat(
4. RepeattingTable\_3.AllItems,
5. Concatenate(
6. 'sr.no\_edit'.Text,
7. ";",
8. drpedit.SelectedText.Value,
9. ";",
10. technicalcontent\_edit.Text,
11. ";",
12. description\_edit.Text,
13. ";",
14. "|"
15. )
16. )
17. }
18. );
19. SubmitForm(Form3);

Now, let’s add the following variable as a default value for the Repeating section data card which we hide in the second step of this section.

Graphical user interface, application

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Now for each row in the Grid, set default value as:

Graphical user interface

Description automatically generated

We are done with Edit functionality also.

For testing, On click of grid row in View screen, it will navigate to edit page with all field set as default.

Graphical user interface

Description automatically generated

Graphical user interface, application

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