**Repeating table in PowerApps**

we will create the Repeating Section with PowerApps forms.

**Home Screen:**

Graphical user interface

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**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

Description automatically generated

Graphical user interface, application

Description automatically generated

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

Graphical user interface, application

Description automatically generated

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