Module 6: Introduction to automation

Scenario

You are a functional consultant for your organization Contoso. You are assigned to work on a model-driven Knowledge Admin app for your client Fabrikam. In this lab, you will create columns and use business rules to control visibility of the columns without needing custom code.

Exercise 1 - Prepare the solution

Task 1 – Add Columns to Knowledge Question

1. Navigate to https://make.powerapps.com.
2. Make sure you are in the **Practice** environment you created.
3. Select **Solutions**.
4. Click to open the **Assessment.**
5. Click to open the **Knowledge Question** table.
6. Click **+ Add Column**.
7. Enter **Question Type** for **Display Name** and select **Choice** for **Data Type**.
8. Click on the **Choice** dropdown and click **+ New Choice**.
9. Enter **Simple** and click **Add New Item**.
10. Enter **Scenario** and click **Save**.
11. From the **Required** dropdown, select **Required.**
12. Click **Done.**
13. Click **+ Add Column**.
14. Enter **Scenario Description** for **Display Name**, select **Text Area** for **Data Type**, and click **Done**.
15. Click **Save Table**.

Task 2 – Add Columns to Knowledge Question Form

1. Make sure you still have the **Knowledge Question** table selected.
2. Select the **Forms** tab and click to open the **Main** form.
3. Drag the **Question Type** column from the **Table columns** and drop it above the **Question** column on the form.
4. Drag the **Scenario Description** column and drop it below the **Question Type** column.

5. With **Scenario Description** selected, check **Hide.**
6. Uncheck **Show only unused table columns** and drag the **Knowledge Assessment** column and drop it below the **Owner** column on the form.
7. Click **Save**.
8. Click **Publish**.

Exercise 2 – Create Business Rule

Task 1 – Create Question Type Business Rule

1. Navigate to https://make.powerapps.com.
2. Make sure you are in the **Practice** environment you created.
3. Select **Solutions.**
4. Click to open the **Assessment.**
5. Click to open the **Knowledge Question** table.
6. Select the **Business Rules** tab and click **Add business rule**.
7. Next to **New business rule** name at the top of the screen, select the dropdown carrot.
8. Enter **Question Type Rule** for **Business Rule Name**. You can select the dropdown carrot again to collapse this section.
9. Select the **Condition** and enter **Check Question Type** for **Display Name.**
10. Go to the **Rules** section, select **Question Type** for **Field**, select **Equals** for **Operator**, select **Value** for **Type**, and select **Scenario** for **Value**.
11. Click **Apply**.
12. Select the **Components** tab.
13. Drag **Set Visibility** action and place it on the **True** side (on the right side) of the condition.
14. Enter **Show Scenario Description** for **Display Name**, select **Scenario Description** for **Field**, select **Yes** for **Visible** and click **Apply**.
15. Select the **Components** tab.
16. Drag **Set Business Required** action and place it after the **Show Scenario Description** action.
17. Select the new action, enter **Make Scenario Required** for **Display Name**, select **Scenario Description** for **Field**, select **Business Required** for **Status** and click **Apply**.

18. Select the **Components** tab. Drag **Set Visibility** action and place it on the **False** side (below) of the condition.
19. Enter **Hide Scenario Description** for **Display Name**, select **Scenario Description** for **Field**, select **No** for **Visible** and click **Apply**.
20. Select the **Components** tab.
21. Drag **Set Business Required** action and place it after the **Hide Scenario Description** action.
22. Select the new action, enter **Remove Scenario Requirement** for **Display Name**, select **Scenario Description** for **Field**, select **Not Business Required** for **Status** and click **Apply**.
23. Select the **Components** tab.
24. Drag **Set Field Value** action and place it after the **Remove Scenario Requirement** action.
25. Select the new action, enter **Clear Field** for **Display Name**, select **Scenario Description** for **Field**, select **Clear** for **Type** and click **Apply**.
26. Click **Save**.
27. Click **Activate**.
28. On the Confirm activation message pane click **Activate** button.
29. Close the business rule designer page by clicking the **X** button on the top right of the browser.
30. Click **Done**.

Task 2 – Test Business Rule

1. Navigate to https://make.powerapps.com and make sure you are in your **Practice** environment.
2. Select **Apps** and click on the **Knowledge Admin** Model-Driven application.
3. Navigate to **Knowledge Assessments** >> Click **Play** button. Change the area to **Assessments** from the bottom left of the screen and click **+ New**.
4. Enter **Test Assessment Four** for **Title**, select today's date for **Start Date**, a month from today for **End Date**, and click **Save**.
5. Select the **Questions** tab.
6. Click **+ New Knowledge Question**.
7. Type **Test Question** for **Question**.
8. Select **Scenario** for **Question Type**. The **Scenario** column will come to view, and it will be required.

9. Type **This is a test Scenario** in the **Scenario Description**.
10. Change the **Question Type** to **Simple**. The Scenario column will disappear.
11. Change the **Question Type** back to **Scenario**. The **Scenario Description** will come to view again and the text you entered will no longer be there.
12. Type **This is a test Scenario** for **Scenario Description**.
13. In the **Answers** section, enter **Test Answer One** for **Answer 1**, enter **20** for **Answer 1 Points.**
14. Click **Save**. You can close the model-driven app.