**Demo - Understand the Business rules to Automate**

Business Scenario:

For students who ranked 1 in exam, school should provide discount of 300$ in Fees and update the status to Concession Applied and let management know the name of the person who got concession.

Business Rules:

Input ID to the Robot so that robot does below job:

* Deduct 300$ from fees
* Update the status to concession applied for the Id provides.
* And Print the message in below format

Discount is provided to “XXXX”(name) and update fees is “XXXX”

**Implementing input Dialog and Row scanning Technique**

Select Activity->search sequence->select **Sequence**->drag and drop **Sequence** to the flowchart->double click on **Sequence**->Rename:

Select Activity->search **input** ->select **Input Dialog**->drag and drop **Input Dialog** to the + drop activity here

Select **Input Dialog**->in **Title**: "Give a Title" ->in **Label**: "Give a label"

Select **Input Dialog**-> the value is store in the Properties->Output Result:

Select Variables->select Create Variable: **id**

Again Select **Input Dialog**-> the value is store in the Properties->Output Result: **id**

Select Activity->search **excel** ->select **Excel Application Scope**->drag and drop **Excel Application Scope** to the + drop activity here->give Workbook path: “location of the excel file path”

Select Activity->search **read range**->select **Read Range**-> drag and drop **Read Range** to the + drop activity here of the **Excel Application Scope** in the **Do** container

Select **Read Range** container->the value in the cell number is store in the Properties->Output DataTable variable press **ctrl + k**-> Output DataTable: **rrd** ->then give enter

Select Variables->in the Created Variable: **rrd**->change Scope: **Sequence**

Select Activity->search **for each row**->select **For Each Row**-> drag and drop **For Each Row** to the + drop activity here ->give ForEach: **row** and In**: rrd**

Select Activity->search **write line**->select **Write Line**->drag and drop **Write Line** to the + drop activity here in the **Body** container of **For Each Row**

->Select **Write Line** container->Text: row(“of\_column\_number”).ToString

To run the workflow First join with Start then select dropdown Debug file->select Run File

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**Control flow Usage if else, For loop in UIPath to solve the problem 5**

Select Activity->search **if** ->select **if**->drag and drop **if** conditionto the + drop activity here in the **Body** container of **For Each Row** container

Select **if**->in **Condition** : row("ID").ToString.Equals(id) ->if condition match it will go to **Then** and if the condition didn’t match it will go to **Else**

Select Activity->search **assign** ->select **Assign**->drag and drop **Assign** to the + drop activity here in the **if** container of **Then**

Select **assign**-> the value is store in the Properties ->Value variable: **CInt(row("Fee"))-300** ->then give enter

Select Variables->select Create Variable: **updatedFee** ->variable Type: **Int** ->scope: **Sequence**

Select **assign**-> the value is store in the Properties ->To: **updatedFee** ->then give enter

Select Activity->search **Write Cell** ->select **Write Cell** ->drag and drop **Write Cell** to the + drop activity here in the **assign** container of **Then**

Select **Write Cell** ->in the Properties section->give the Destination **Range**: "B4"

Destination **SheetName**: "Sheet1", Input **Value**: "Concession Applied"

**Build the Counter logic with smart debugging feature in UIPath**

Select Variables->select Create Variable: **counter** ->variable Type: **Int** ->scope: **Do**

Select **For Each Row**->in the properties-> Output Index variable press **ctrl + k**-> Output Index: **counter**

**-**>then give enter

Select Activity->search **message box** ->select **Message Box** ->drag and drop **Message Box** to the + drop activity here in the **Then** container between **Assign** and **Write Cell**

->select **Message Box** ->Text: **counter**

Select **Write Cell** ->in the Properties section->give the Destination **Range**: "B8"

Destination **SheetName**: "Sheet1", Input **Value**: updatedFee.ToString

Select Activity->search **assign** ->select **Assign** ->drag and drop **Assign** to the + drop activity here in the **Then** container between **message box** and **Write Cell**

Select **assign**-> the value is store in the Properties ->To: **counter** ->Value variable: **counter+2**->then give enter

Again Select **Write Cell** ->in the Properties section->give the Destination **Range**: "B"+counter.ToString

Destination **SheetName**: "Sheet1", Input **Value**: updatedFee.ToString

* To run the **.xaml** file, it will run Main.xaml file. To set a xaml file as main, right click on the .xaml file then select **Set as Main**.
* To Debug a .xaml file-> right click where to Debug and select **Toggle Breakpoint** ->select **Debug**

To run the workflow First join with Start then select dropdown Debug file->select Run File

**Writing the data back to excel with the business logic result**

Select Activity->search **Write Cell** ->select **Write Cell** ->drag and drop **Write Cell** to the + drop activity here in **Then container** after **Write Cell**

Select **Write Cell** ->in the Properties section->give the Destination **Range**: "C"+counter.ToString

Destination **SheetName**: "Sheet1", Input **Value**: "Concession Applied"

Select Activity->search **Write Cell** ->select **Write Cell** ->drag and drop **Write Cell** to the + drop activity here in **Else** container

In the **Else** container->Select **Write Cell** ->in the Properties section->give the Destination **Range**: "C"+counter.ToString,

Destination **SheetName**: "Sheet1", Input **Value**: "NA"

Remove the **Assign** activity which is in the **Then** container between **message box** and **Write Cell**

Remove the **message** activity which is in the **Then** container between **Assign** and **Write Cell**

Select Activity->search **assign** ->select **Assign** ->drag and drop **Assign** to the + drop activity here in the **For Each Row** container before the **If** condition

In the **For Each Row** container before the **If** condition **->** Select **assign**-> the value is store in the Properties ->To: **counter** ->Value variable: **counter+2**->then give enter

Select Activity->search **message box** ->select **Message Box** ->drag and drop **Message Box** to the + drop activity here in the **Then** container after **Write Cell**

Select **message box**

->Text: "Discount is provided to "+row("Name").ToString+" And update fees is "+updatedFee.ToString

To run the workflow First join with Start then select dropdown Debug file->select Run File

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| **Capture** |

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**Misconceptions in DataTable and Excel updates**

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