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

Business Scenario:

Extract the Top 3 lowest income holders with Designation of Employee and Student and Submit into Web Portal

**Applying Filter to Excel Table Data with UiPath Activity**

Open uipath->select **FirstDemo1Process** project->select project->right click on **FirstDemo1Process**

->select add->select Flowchart->Name: **SortFilter**->select create

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

Copy the excel file with data name: **Income.xlsx** and place in the project

Select Activity->search Excel Application Scope->select **Excel Application Scope** ->drag and drop **Excel Application Scope** to the flowchart

Select **Excel Application Scope**->in the properties->Workbook Path: "Income.xlsx"

Select Activity->search sequence->select **Sequence**->drag and drop **Sequence** to the **Do** of the **Excel Application Scope**->double click on **Sequence**->Rename: **Filter the Table with Student and Employee values**

Select Activity->search sequence->select **Sequence**->drag and drop **Sequence** to the **Do** of the **Excel Application Scope** after the **Filter the Table with Student and Employee values**->double click on **Sequence**

->Rename: **Sort on Income Column**

Select Activity->search Filter Table->select **Filter Table** ->drag and drop **Filter Table** to the **Filter the Table with Student and Employee values**

->Select **Filter Table** ->in the properties

->select **Input**->TableName: "**Table1**", ColumnName**:** "**Occupation**",

FilterOptions: {"Student","Employee"}

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**Applying Sort to Excel Table Data with UiPath Activity**

Select Activity->search Sort Table->select **Sort Table**->drag and drop **Sort Table** to the sequence, **Sort on Income Column**

Select **Sort Table**->in the properties->select **Input**->TableName: "**Table1**"->CoumnName: "**Income**"

Select Activity->search sequence->select **Sequence**->drag and drop **Sequence** to the **Sort on Income Column**>double click on **Sequence**->Rename: **Read Content in Table**

Select Activity->search Read Range->select **Read Range** ->drag and drop **Read Range** to the **Read Content in Table**

Select **Read Range** -> in the properties

->select **Input**->Range: **"A2:D14"**

->select **Options**->AddHeaders: **selected**, UseFilter: **selected**

->select **Output**-> Output DataTable variable press **ctrl + k**-> Output DataTable: **extractedData** ->then give enter

->Select Variables->select **extractedData**->change Scope to: Sequence

Select Activity->search Output Data Table->select **Output Data Table** ->drag and drop **Output Data Table** in the sequence **Read Content in Table** after **Read Range**

Select **Output Data Table** -> in the properties->

select **Input**->DataTable: **extractedData**

select **Output**->Text: **data**

Select Activity->search Write Line->select **Write Line** ->drag and drop **Write Line** in the sequence **Read Content in Table** after **Output Data Table**

Select **Write Line** -> in the properties->select **Output**->Text: **data**

To run the workflow->right click on the particular file which will run->select **Set as Start Node**->select Debug file->select Run File

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**Get Table Range in Excel Dynamically using UiPath Activity**

Select Activity->search Get Table Range->select **Get Table Range** ->drag and drop **Get Table Range** in the sequence **Read Content in Table** before **Read Range**

Select **Get Table Range** ->in the properties

->select **Input**->TableName: "**Table1**"

->select **Output**-> Output variable press **ctrl + k**-> Range: "**EmployeesRange**"

Select **Read Range** -> in the properties->select **Input**->replace Range-> Range: **"EmployeesRange"**

Business Scenario:

Extract the Top 3 lowest income holders with Designation of Employee and Student and submit into Web Portal

Select Activity->search Sequence->select **Sequence** ->drag and drop **Sequence** after **Read Content in Table**->double click on **Sequence**->Rename: **Submit values into Portal**

Select Activity->search Open Browser->select **Open Browser** ->drag and drop **Open Browser** in **Submit values into Portal**

Select **Open Browser** ->in the properties

->select **Input**->Url: "https://rahulshettyacademy.com/angularpractice/"

->select **Input**->BrowserType: **Chrome**

Select Activity->search For Each Row->select **For Each Row in Data Table** ->drag and drop **For Each Row in Data Table** in **Do** of **Open Browser** activity

Select **For Each Row in Data Table**-> in the properties

->Select **Input**->DataTable: **extractedData**

Select Activity->search Type Into->select **Type Into** ->drag and drop **Type Into** in to the **Body** of **For Each Row in Data Table**

Open the Url link from before->Select **Type Into** ->click **Indicate element inside browser**->click on the input of Name

Select **Type Into** ->in the properties

->select **Input**->Text: "row("Name").ToString"

->select **Options**->EmptyField: True

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**Build Front End Application Logic and send data from Excel**

Select Activity->search Assign->select **Assign** ->drag and drop **Assign** in to the **Body** of **For Each Row in Data Table** after **Type Into**

Select **Assign** -> in the properties

->Select **Misc**->To variable press **ctrl + k**-> To: **designation**

->Select **Misc**->Value: **row("Occupation").ToString**

Select Activity->search If->select **If** ->drag and drop **If** in to the **Body** of **For Each Row in Data Table** after **Assign** ->double click on **If**->Rename: **Select Radio Button based on Designation**

Select **Select Radio Button based on Designation** ->Condition: **designation.Equals("Employee")**

Select Activity->search Click->select **Click** ->drag and drop **Click** in to the **Then** of **Select Radio Button based on Designation**

Open the Url link from before ->Select **Click** ->click **Indicate element inside browser**-> click on the radio button of Employed

Select Activity->search Click->select **Click** ->drag and drop **Click** in to the **Else** of **Select Radio Button based on Designation**

Open the Url link from before ->Select **Click** ->click **Indicate element inside browser**-> click on the radio button of Student

Select Activity->search Click->select **Click** ->drag and drop **Click** after **Select Radio Button based on Designation** ->double click on **Click**->Rename: **Submit the Form**

Open the Url link from before ->Select **Click** ->click **Indicate element inside browser**-> click on the submit

**Limit the number of Rows returned to Web Portal with control flow logic**

->Select Variables->Name: **counter,** Variable type**: Int32**, Scope: **Submit values into Portal**, Default: **1**

Select Activity->search Sequence->select **Sequence** ->drag and drop **Sequence** in to the **Body** of **Submit values into Portal** after **click**

Select Activity->search Assign->select **Assign** ->drag and drop **Assign** in **Sequence** activity

->Select **Assign** ->in the properties

->select **Misc**-> To: **counter**, Value: **counter+1**

Select Activity->search If->select **If** ->drag and drop **If** in to the **Body** of **Submit values into Portal** after **Assign**

Select **If** -> in the properties->Condition: **counter=4**

Select Activity->search Break->select **Break** ->drag and drop **Break** in to the **Then** of **If** condition

To run the workflow->right click on the particular file which will run->select **Set as Start Node**->select Debug file->select Run File

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