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

Goal: I want to start Business in the Country If its Gross domestic product (GDP) is less than 10 Trillion

Business Solution: I will provide Country name and robot should tell me if I can invest there.

Business Rule:

Entry Country check GDP

If GDP>10 Trillion – Not Right place to start Business

If GDP<10 Trillion – Right place to start Business

**Building the logic to get the GDP of country with User input**

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

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

Input Dialog activity: Display a dialog box that prompts the user with a label message and an input field

Select Activity->search input->select **Input Dialog**->drag and drop **Input Dialog** to the flowchart->double click on Input Dialog ->Give Dialog Title in double quote: "**GDP Check**"

->Give Input Label in double quote: "**Enter the Country Name**"

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

->A dialog box will appear, where have to enter value->select OK

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

->to set the variable->ctrl + k -> Output Result: **country**

->select the GdpCheckRobot flowchart-> Select Activity->search write line->select **Write Line** ->drag and drop **Write Line** to the flowchart->join Write Line with Input Dialog

->select Write line->put the variable in Text: **country**

Select Activity->search **open browser**->drag and drop open browser and join with Input Dialog->double click **open browser**

In the open browser properties->Input type->select BrowserType: **Chrome**

In the open browser->insert the url in quoted

Select Activity->search **type into**->select **Type Into**->drag and drop **Type Into** to the + drop activity here

->Before selecting Indicate element inside browser ->install the uipath browsers plugin

To install uipath plugin->open uipath studio->select Home->select Tools->install the uipath browsers plugin extensions

To detect the uipath browsers ->in uipath studio->select **UI Explorer**->select options->select UI Frameworks->select **UI Automation**

->Select Indicate element inside browser->in the browser select the location where to type

->in the Type Into container->select Click to open options menu->select Edit Selector

->select **Highlight**->to know the selector of that specific webpage

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**Perform Keyboard Actions and provide appropriate locators to identify the object**

To replace the existing locator->in the **Type Into** container->select Click to open options menu->select **Indicate on screen**->then select the location to get the locator

->to check the locator element-> in the **Type Into** container->select Click to open options menu

->select **Edit Selector**->select **HighLight**

->select Type Into->in Text must be quoted: **country+" GDP"** ->country is input variable and GDP is a constant string. This will be typed in the edit box

Select Activity->search **hot key**->select **Send Hotkey**->drag and drop **Send Hotkey** to the + drop activity here->select Key: **enter**

To key the Input Dialog and Open Browser in one sequence-> Select Activity->search sequence->select **Sequence**->drag and drop **Sequence** to the flowchart->double click on **Sequence**->Rename: **GDP Check**

->In the sequence copy Input Dialog to the + drop activity here

->In the sequence copy Open Browser to the + drop activity here

->select variable->Scope: **GDP Check**

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

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**Building Regular expressions from the Web properties to make them generic**

Select Activity->search **get text** ->select **Get Text**->drag and drop **Get Text** to the + drop activity here

->select Indicate element inside browser->select the element location in the browser which was opened earlier

Select Get text container->the grab text is store in the Properties->**Output** value variable

From the **Output** value variable->create a local variable to store the grab text

To create variable->select variable->select Create Variable->Name: **gdpValue**, Variable type: **String**, Scope: **Do**

Again Select Get text container->the grab text is store in the Properties->give Output value: **gdpValue**

->in the Get text container->select Click to open options menu->select Edit Selector ->it shows **Highlight**

->search different country GDP in google-> in the Get text container->select Click to open options menu->select Edit Selector->select **Repair**->then select the new element location, which will update the new element location->select OK

->Select Activity->search **message box**->drag and drop **message box** to + Add Activity

In the flow chart->Select Message box->give the variable in Text: **gdpValue**

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

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**Get The GDP Text from image using Optical Character Recognition?**

->Select Activity->search **OCR Text**->select **Get OCR Text**->drag and drop **Get OCR Text** between **Message Box** and **Get Text**

->select Get OCR Text->select Indicate element inside browser->click and drag only portion of the text which is needed in the browser which was opened from earlier->it only extract the portion of text which was drag and selected

->select Get OCR Text-> the grab text is store in the Properties->in the Output Text press **ctrl + k**

-> Output Text: **gdpActualNumber** ->then give enter

->Select Activity->search **message box**->drag and drop **message box** to + Add Activity

In the flow chart->Select Message box->give the variable in Text: **gdpActualNumber**

Business Rule:

Entry Country check GDP

If GDP>10 Trillion – Not Right place to start Business

If GDP<10 Trillion – Right place to start Business

Come out of GDP check by selecting GdpCheckRobot

-> Select Activity->search decision->select **Flow Decision**->drag and drop **Flow Decision** to the flowchart

->when select **Flow Decision** it shows two condition **True** and **False**

->For the variable **gdpActualNumber** in GDP Check->change the scope to: **GdpCheckRobot**

->select **Flow Decision** ->in the properties->give condition: **gdpActualNumber>10**

**-**>select Expression Editor: **convert.ToDouble(gdpActualNumber)>10**->select OK

->join GdpCheckRobot sequence container with **Flow Decision**

-> Select Activity->search **message box** ->select **message box** ->drag and drop **message box** to the flowchart->from the **Flow Decision** join the **True** with the **message box**->double click **message box**

->in the text: “Not Right place to start Business”

-> Select Activity->search **message box** ->select **message box** ->drag and drop **message box** to the flowchart->from the **Flow Decision** join the **False** with the **message box**->double click **message box**

->in the text: “Right place to start Business”

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

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**Running the Robot with Successful Business logic Implementation**

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