## 9. Exception handling

Objective

Build a workflow using a Try Catch activity to do the following:

* Take Name, Gender, and Age as the user input.
* Subtract current year with Age value to get the Year of Birth.
* Handle an error that occurs due to a reckless user input of an incorrect age containing the 11-digit number.
* Continue the process to display the Name, Gender, and Year of Birth of the user in a message box.

Step by Step Process

|  |  |
| --- | --- |
| Step 1: | Open UiPath Studio. |
| Step 2: | Create a new process and name it as “Try Catch activity” |
| Step 3: | Drag a Sequence activity from the Activities panel and drop it in the Designer panel. |
| Step 4: | Name the Sequence activity as “Sequence – 'A workflow using Try Catch activity to catch certain errors'”. |

|  |  |
| --- | --- |
| Step 7: | Drag and drop a Try Catch activity and name it as “Try Catch - 'User Inputs'”. |
| Step 8: | In the Try Section, insert a Sequence activity and name it as “Sequence - ‘User  Inputs’”. |
| Step 9: | Insert an Input Dialog activity within the Sequence activity, name it as “Input |

Dialog - User Name” and enter the values as shown below:

|  |  |
| --- | --- |
| Title | Label |
| “Name” | “Enter your Name” |

Step 10: Insert a second Input Dialog activity below the previous “Input Dialog - User Name” activity, and name it as “Input Dialog - User Gender” and enter the values as shown below:

|  |  |
| --- | --- |
| Title | Label |
| “Gender” | “Enter your Gender” |

Step 11: Insert a third Input Dialog activity below the previous “Input Dialog - User Gender” activity, and name it as “Input Dialog - User Age”,

and enter the values as shown below:

|  |  |
| --- | --- |
| Title | Label |
| “Age” | “Enter your Age” |

Step 12: In the Variables panel, define five new variables as shown shown below:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Variable type | Scope | Default |
| userName | String | Sequence - ‘A workflow using Try Catch activity to catch certain errors’ |  |
| userGender | String | Sequence - ‘A workflow using Try Catch activity to catch certain errors’ |  |
| intUserAge | Int32 | Sequence - ‘A workflow using Try Catch activity to catch certain errors’ |  |
| intYearOfBirth | Int32 | Sequence - ‘A workflow using Try Catch activity to catch certain errors’ |  |
| inputError | String | Sequence - ‘A workflow using Try Catch activity to catch certain errors’ |  |

|  |  |
| --- | --- |
| Step 13: | In the Properties panel of “Input Dialog – User Name” activity, enter userName in the Output property. |
| Step 14: | In the Properties panel of “Input Dialog – User Gender” activity, enter userGender in the Output property. |
| Step 15: | In the Properties panel of “Input Dialog – User Age” activity, enter intUserAge in the Output property. |
| Step 16: | Insert an Assign activity below the “Input Dialog – User Age” activity and |

name it as “Assign - Year of Birth.” and enter values as shown below:

|  |  |
| --- | --- |
| To | Value |
| intYearOfBirth | Date.Today.Year() - intUserAge |

Step 17: In the Catches section of the Try Catch Activity, select “System.Exception”

from the dropdown.

Step 18: Insert an Assign activity in the Catches section and name it as “Assign – InputError”. Enter values as shown below:

|  |  |
| --- | --- |
| To | Value |
| inputError | exception.Message |

|  |  |
| --- | --- |
| Step 19: | Insert a Message Box activity below the Try Catch activity and name it as  “Message Box - User Details”. Add an annotation: “Print all the details” |
| Step 20: | In the text area of the Message Box activity, enter the expression: "Name: " +  userName + vbCr + "Gender: "+ userGender + vbCr + "Year of Birth: "  + intYearOfBirth.ToString + vbCr + "Error: " + inputError |
| Step 21: | Save and run the Project |