Stay Relevant. Stay Competitive.

RPA UiPath Interview Questions and Answers (Quiz Series - 9)

70) **What is exception handling?**
Exception Handling mainly deals with handling errors with respect to various activities in UiPath. The Error Handling activity offers four options: Rethrow, Terminate Workflow, Throw, Try Catch.

71). What is throw and Rethrow?

- **Throw:** activity is used when you want to throw error before the execution of the step
- **Rethrow:** is used when you want activities to occur before the exception is thrown.

72). Use of Retry Scope in UiPath?
UiPath.Core.Activities.RetryScope
Retries the contained activities as long as the condition is not met or an error is thrown.

Example of Using the Retry Scope **Activity**

The **Retry Scope** activity is used for catching and handling an error, which is why it's similar to the Try Catch one. The following workflow attempts to open the Notepad window 3 times and uses the condition set in the **Retry Scope** activity to stop the loop.

Source: https://docs.uipath.com/activities/docs/try-catch

1. Create a new sequence and add the **Retry Scope** activity.
2. In the **Properties** panel, leave the default **NumberOfRetries** of 3 and the **Retry Interval** of 5. This means that we attempt to open the Notepad window 3 times and the interval between tries is 5 seconds.
3. In the **Action** section, add an **Assign** activity.
4. Create a **GenericValue** variable, named for example **Random** and add it to the **To** field of the **Assign** activity.
5. Add the Now.Millisecond mod 5 value to the variable by adding it to the **Value** field of the **Assign** activity.
6. Add an **If** activity and as a condition enter Random <> 0. This means that you check if your variable is different than 0.
7. In the **Then** section of the activity (the condition above is true):
    - Add a **Message box** stating "Notepad Window failed to start".
    - Under the **Message Box**, add a **Throw** activity to throw an error.
    - Type in New System.Exception("Notepad failed to start") in the **Exception** field, under **Properties**.

[Learn More: www.kausalvikash.in]

8. In the **Else** section of the **If** activity (the condition above is false):
    - Add an Open Application activity and indicate Notepad on the screen. Provide the full path of the Notepad executable file in the **FileName** field part of **Properties**.

9. To exit the loop, add an **Element Exists** activity in the **Condition** section of **Retry Scope** and indicate the Notepad window.

This workflow simulates a failing **Notepad** window. If the value of the Random variable is different than 0 three times in a row, the "Notepad Window failed to start" message is displayed every time and the entire workflow fails with the "Notepad failed to start" error. The latter message is the one added in the **Throw** activity.
If the value of the Random variable is 0, the Robot opens **Notepad** and because the exist condition of this loop is to find the **Notepad** window, the workflow is successfully completed.

73).What is difference between Throw, Rethrow & terminate workflow?
→
Exception Handling mainly deals with handling errors with respect to various activities in UiPath. The Error Handling activity offers four options: Rethrow, Terminate Workflow, Throw, Try Catch.

- **Throw:** activity is used when you want to throw error before the execution of the step
- **Rethrow:** is used when you want activities to occur before the exception is thrown.
- **Terminate:** workflow is used to terminate the workflow the moment the task encounters an error.

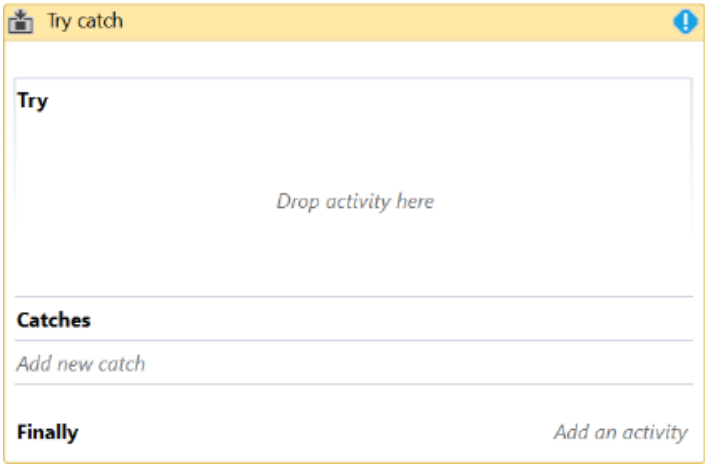
74). What is difference between Try, Catch & Finally?
→System. Activities. Statements. Try Catch
Catches a specified exception type in a sequence or activity, and either displays an error notification or dismisses it and continues the execution.

The activity has three main sections:

- **Try** - holds the activity that could throw an exception;
- **Catches** - specifies the exception type and, optionally, holds an activity that informs the user about the found exception;
- **Finally** - holds an activity that should be executed only if no error occurred or if the error was already caught.

There is no limit to how many **Catches** you can use in a **Try Catch** activity.
Keep in mind that this activity requires at least two of the three fields to be in use. You cannot run it only with the **Try** field completed.

This is how the activity's container looks:



75).What is Try and Catch in try catch Activity?

→**Try-catch:** activity is used when you want to test something and handle the exception accordingly. So, whatever you want to test you can put it under the **try** section,

Then if any error occurs, then it can be handled using the **catch** section, based on your input to the catch section. Apart from the try-catch, we also have a

Finally: section which is used to mention those activities which have to be performed after the try and catch blocks are executed.

76). How to find the exception type of an error eg. error 1016

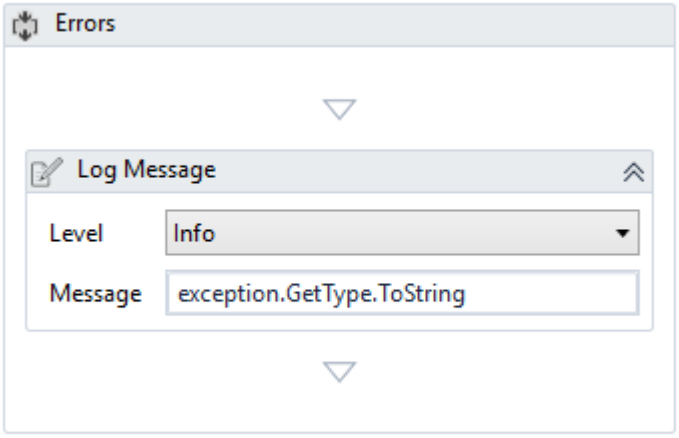
→I was able to find some information about this issue. The error means that you are trying to add duplicate item references.

Source: https://forum.uipath.com/t/how-to-find-the-exception-type-of-an-error-eg-error-1016/89045

It is depended on your workflow and is not an error related to the Orchestrator.

As far as getting the type of the exception, you can catch it and log it as follows:

[Learn More: www.kausalvikash.in]



77). Types of exception handlings?

Business rule exception and application exception

- **An Application Exception:**
  Describes an error rooted in a technical issue, such as an application that is not responding.Such a situation is, for example, a project which extracts phone numbers from an employee database, creating queue items for each of them. These items are then to be processed and inserted into a financial application. If, when the transaction is attempted, the financial application freezes, the Robot cannot find the field where it should insert the phone number, and eventually throws an error. These kinds of issues have a chance of being solved simply by retrying the transaction, as the application can unfreeze.

- **Business Exception:**
  Describes an error rooted in the fact that certain data which the automation project depends on is incomplete or missing. Such a situation is, for example, a project which extracts phone numbers from an employee database, creating queue items for each of them. These items are then to be processed and inserted into a financial application. If a certain phone number is missing a digit due to human error, the queue item containing it becomes invalid. This causes the automation to throw an exception, as the Phone Number field in the financial application does not accept a queue item that contains an incomplete number.

Retrying the transaction does not yield any chance of solving the issue, and there are other better courses of action, such as notifying the human user of this error.

Explore more: **https://www.kausalvikash.in/uipath-interview-questions-and-answers**

Series 1 : https://www.linkedin.com/posts/kausal-vikash-rpa_uipath-interview-questions-and-answers-quiz-activity-6896364698342952960-pwEv

Series 2 : https://www.linkedin.com/posts/kausal-vikash-rpa_uipath-interview-questions-and-answers-quiz-activity-6899922989236797440-Bah5

Series 3: https://www.linkedin.com/posts/kausal-vikash-rpa_uipath-interview-questions-and-answers-quiz-activity-6904626296417329152-KiKN

Series 4: https://www.linkedin.com/posts/kausal-vikash-rpa_uipath-interview-questions-and-answers-activity-6909719020162207744-UYvl?utm_source=linkedin_share&utm_medium=member_desktop_web

Series 5 : https://www.linkedin.com/posts/kausal-vikash-rpa_rpa-uipath-interview-questions-and-answers-activity-6914790365069725696-25KI?utm_source=linkedin_share&utm_medium=member_desktop_web

Series 6 : https://www.linkedin.com/posts/kausal-vikash-rpa_uipath-interview-questions-and-answers-quiz-activity-6919498230271479808-_gDe?utm_source=linkedin_share&utm_medium=member_desktop_web

Series 7 : https://www.linkedin.com/posts/kausal-vikash-rpa_rpa-uipath-interview-questions-and-answers-activity-6927832433492918272-EkHF?utm_source=linkedin_share&utm_medium=member_desktop_web

Series 8 : https://www.linkedin.com/posts/kausal-vikash-rpa_rpa-uipath-interview-questions-and-answers-activity-6935404103925673984-22zZ?utm_source=linkedin_share&utm_medium=member_desktop_web

[Learn More: www.kausalvikash.in]