

EXPERIMENT- 8

Aim:- Develop a script to incorporate error handling and exception management in an automated process.

Software Required:- Any RPA Tool

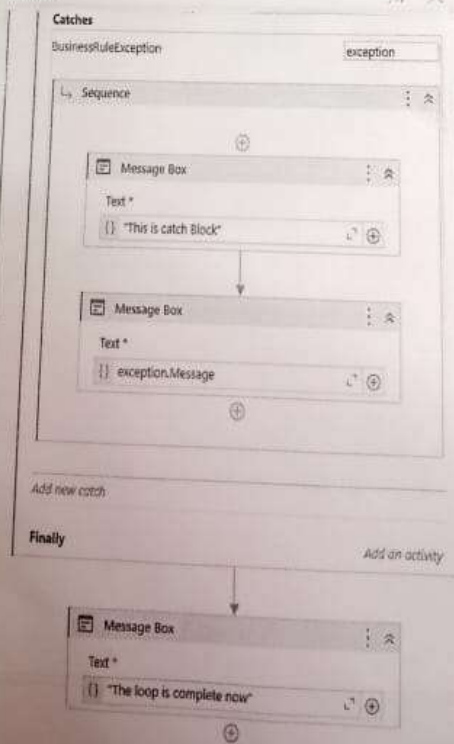
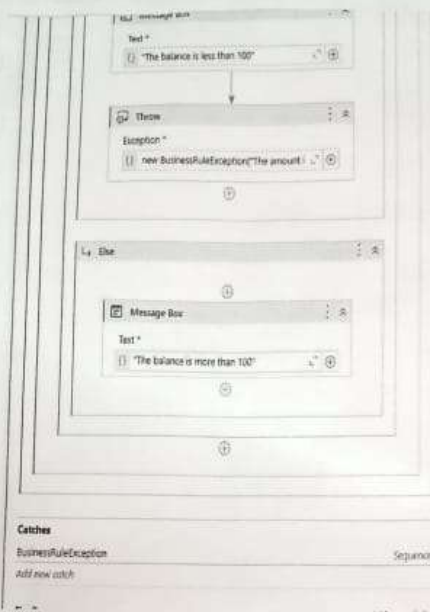
Relevance of the Experiment:- Real-time object tracking is a crucial task in computer vision and has numerous applications such as surveillance systems, autonomous vehicles and robotics. This exp. aims to assess the performance of various pretrained deep learning models for object tracking tasks.

Description:-

1. Before starting, identify potential errors and exceptions that could occur during the execution of your automated process.
2. Decide how you want to handle each type of error or exception. You may choose to log the error, notify the action, notify a user, or take some other action depending on the situation.
3. Open UiPath Studio and create a new project. Give it an appropriate name related to the process you're automating.
4. Design the workflow for your automated process. This typically involves dragging and dropping activities onto the canvas and connecting them to define the sequence of steps.
5. Identify the critical parts of your workflow where errors or exceptions could occur, and wrap them try-catch activities.
6. Within each catch block of the Try-Catch activity, add activities to handle specific exceptions. You can use nested Try-Catch activities to handle different types of

Teacher's Signature: _____

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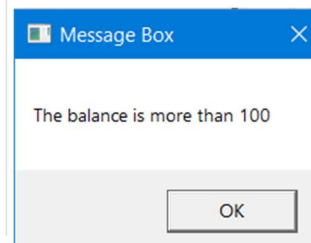
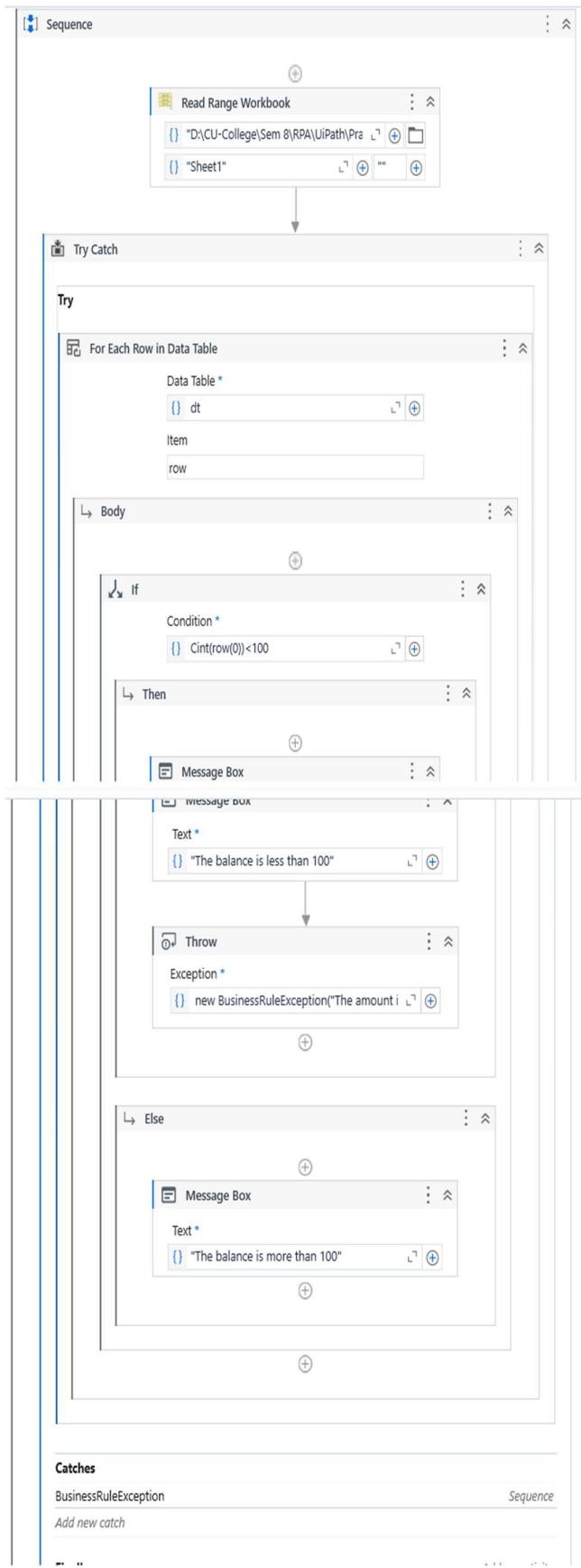
exceptions separately if needed.

7. Use the Log Message activity within the Catch blocks to log information about the error or exception, include details such as the type of error, the activity that failed, and any relevant error messages.
8. If there are any cleanup actions that need to be performed regardless of whether an exception occurred, you can add them to the Finally block of the Try-Catch activity.
9. Test your workflow to ensure that it behaves as expected under normal conditions and that error handling is triggered when errors or exceptions occur.
10. Refine your error handling strategy based on the results of testing. Make any necessary adjustments to improve the reliability and robustness of your automated process.
11. Document your error handling strategy and any other important details about your workflow.
12. Once you're satisfied with your automated process, deploy it to your production environment & monitor its performance.

Learning Outcome :-

- a. Attain proficiency in implementing error handling mechanisms within automated scripts, ensuring robustness and resilience in the face of unexpected issues.
- b. Develop advanced troubleshooting skills to identify, manage and recover from errors, contributing to more reliable and resilient automated processes.
- c. Learn strategies to optimize script reliability through effective error handling & exception handling management, enhancing the overall stability of automated workflows.

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Message Box

The balance is less than 100

OK

Message Box

The amount is less than 100

OK

Message Box

This is catch Block

OK

Message Box

The loop is complete now

OK

Debug started for project: exp8

exp8 execution started

△ Throw: The amount is less than 100

△ Then: The amount is less than 100

△ If: The amount is less than 100

△ Body: The amount is less than 100

	A	B
1	Available Amount	
2		150
3		550
4		300
5		60
6		542
7		
8		

Throw

Exception *

{}

new BusinessException("The amount i