

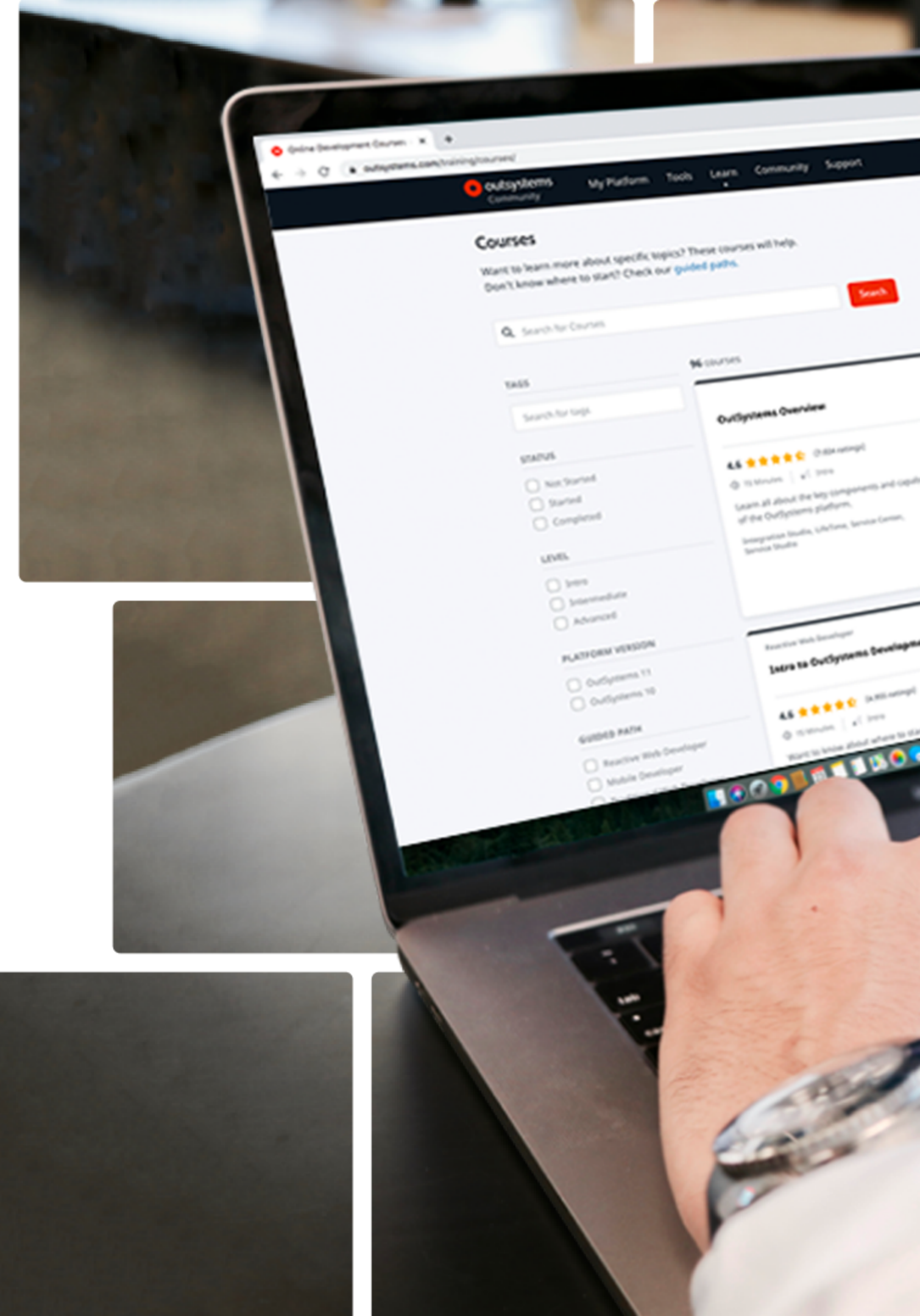


Exceptions

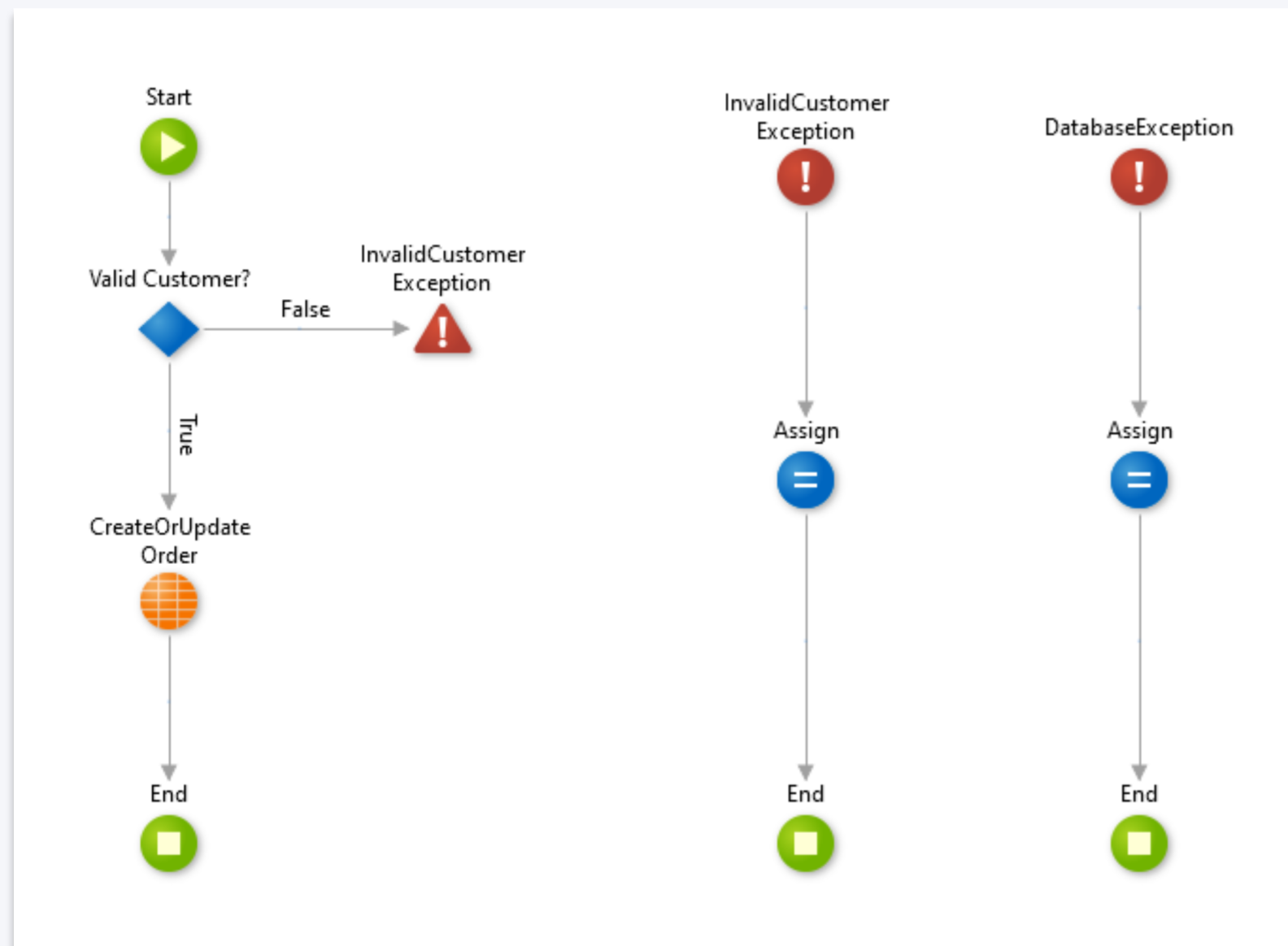
Raising Exceptions

Exception Handler Flows

Global Exception Handler

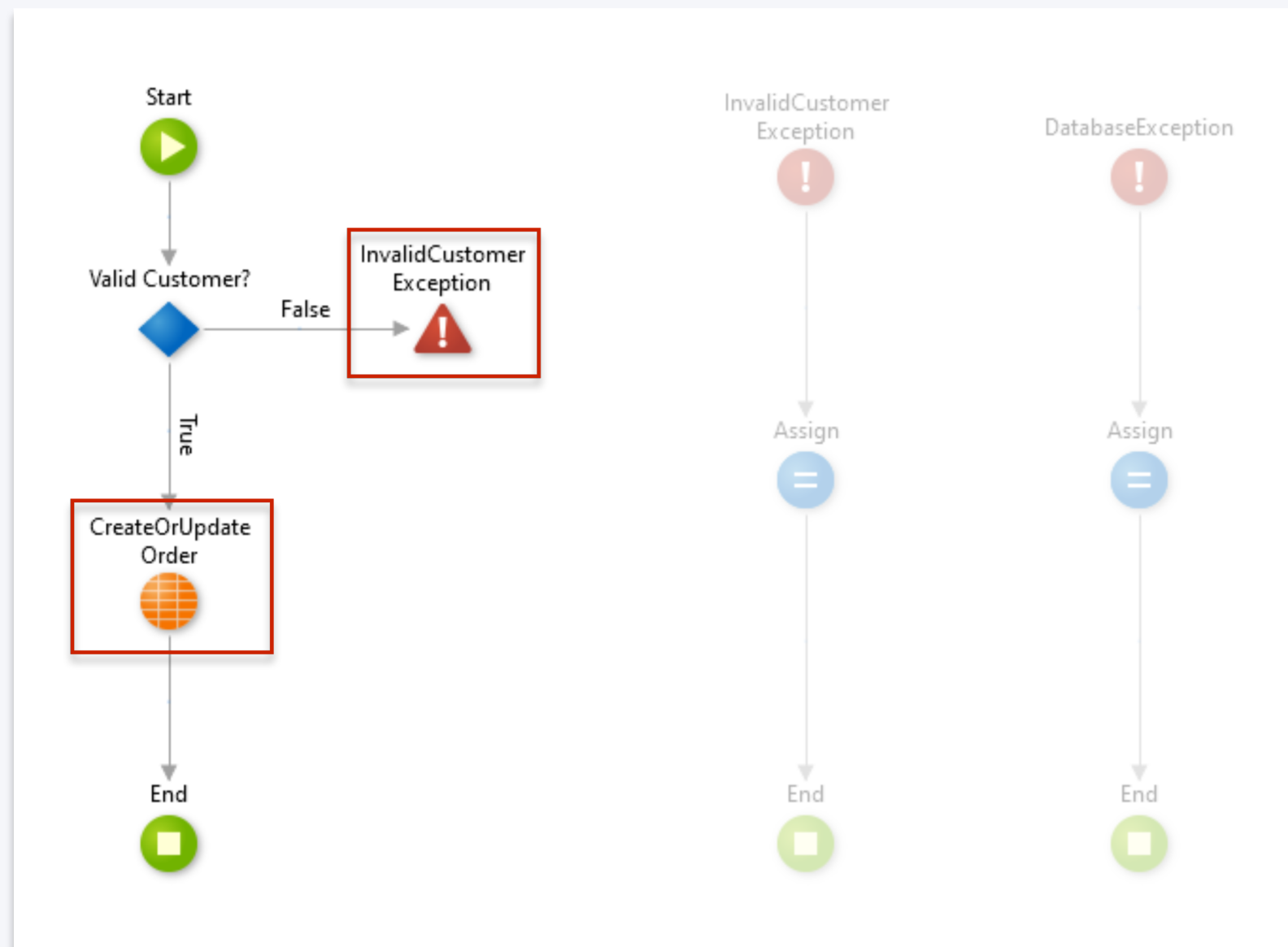


⚠️ ⚠️ Raising Exceptions



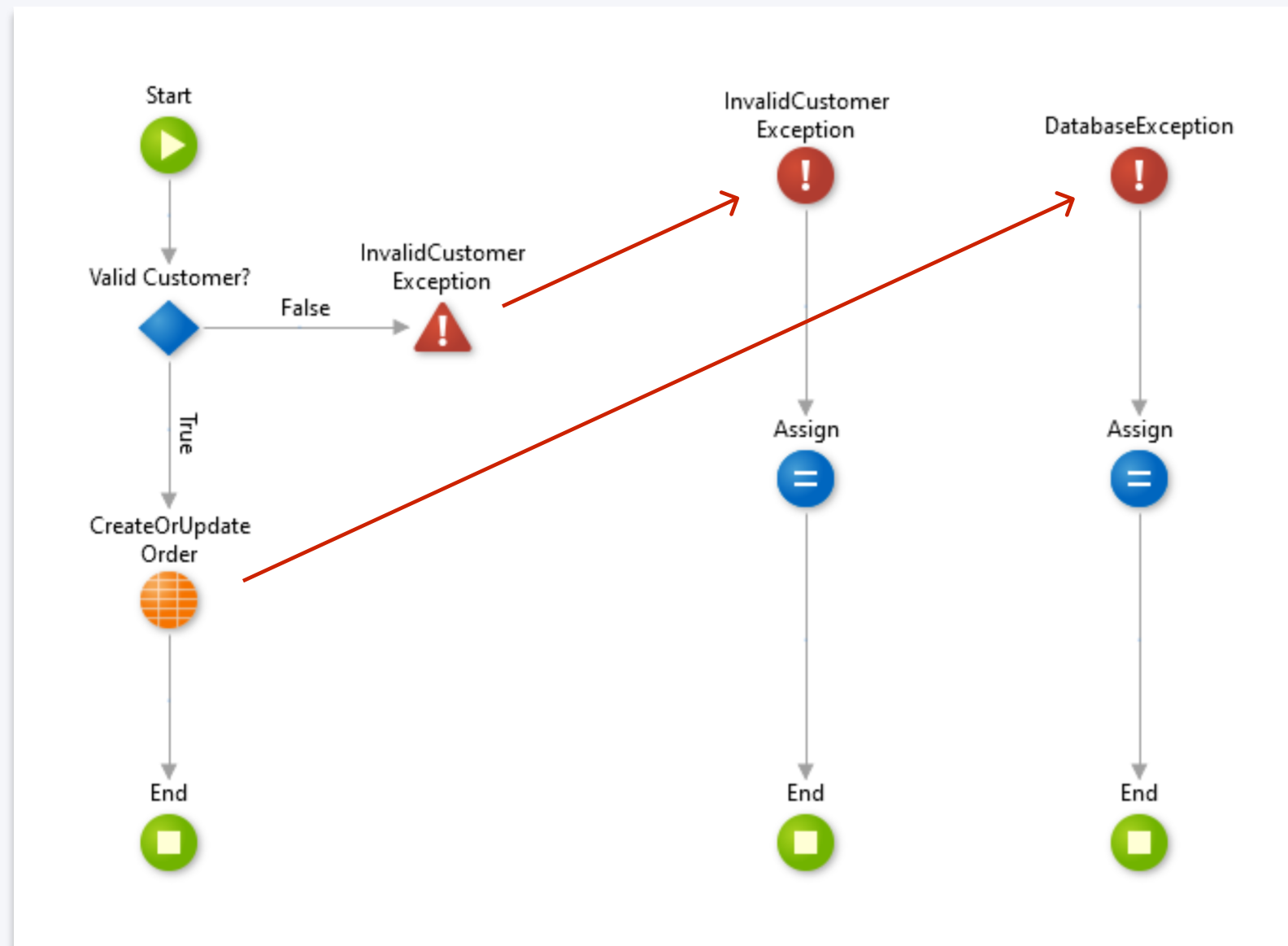
- An **Exception** is thrown when an operation fails unexpectedly at runtime
- An Exception causes an **interruption in the execution of the flow**
 - Execution is moved to an Exception Handler flow
 - Execution does not return to the original flow

⚠️ ⚠️ Raising Exceptions



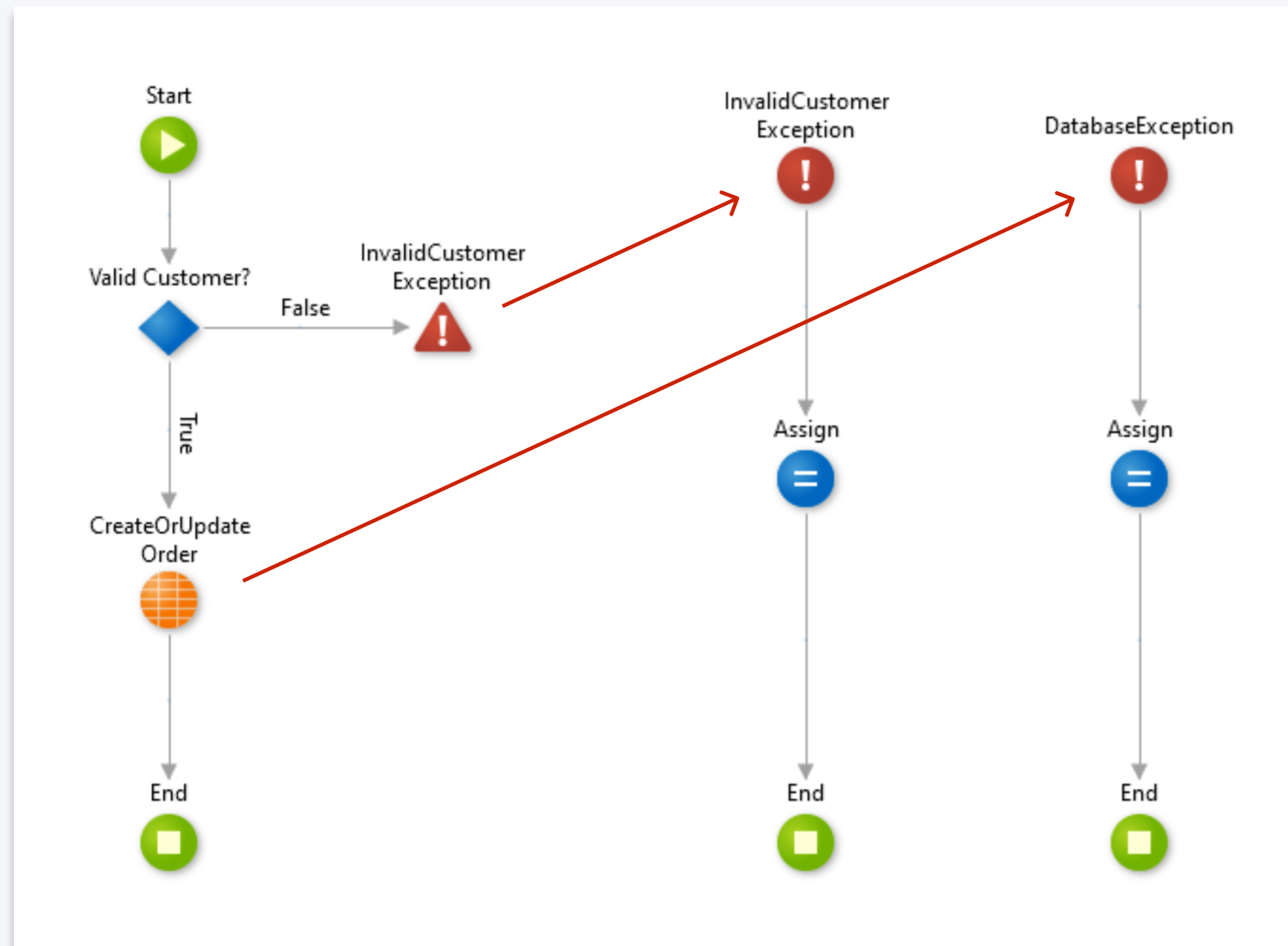
- An Exception can be raised
 - Automatically (e.g. Database Exception)

⚠️ ⚠️ Raising Exceptions



- An Exception can be raised
 - Automatically (e.g. Database Exception)
 - Explicitly (Raise Exception)

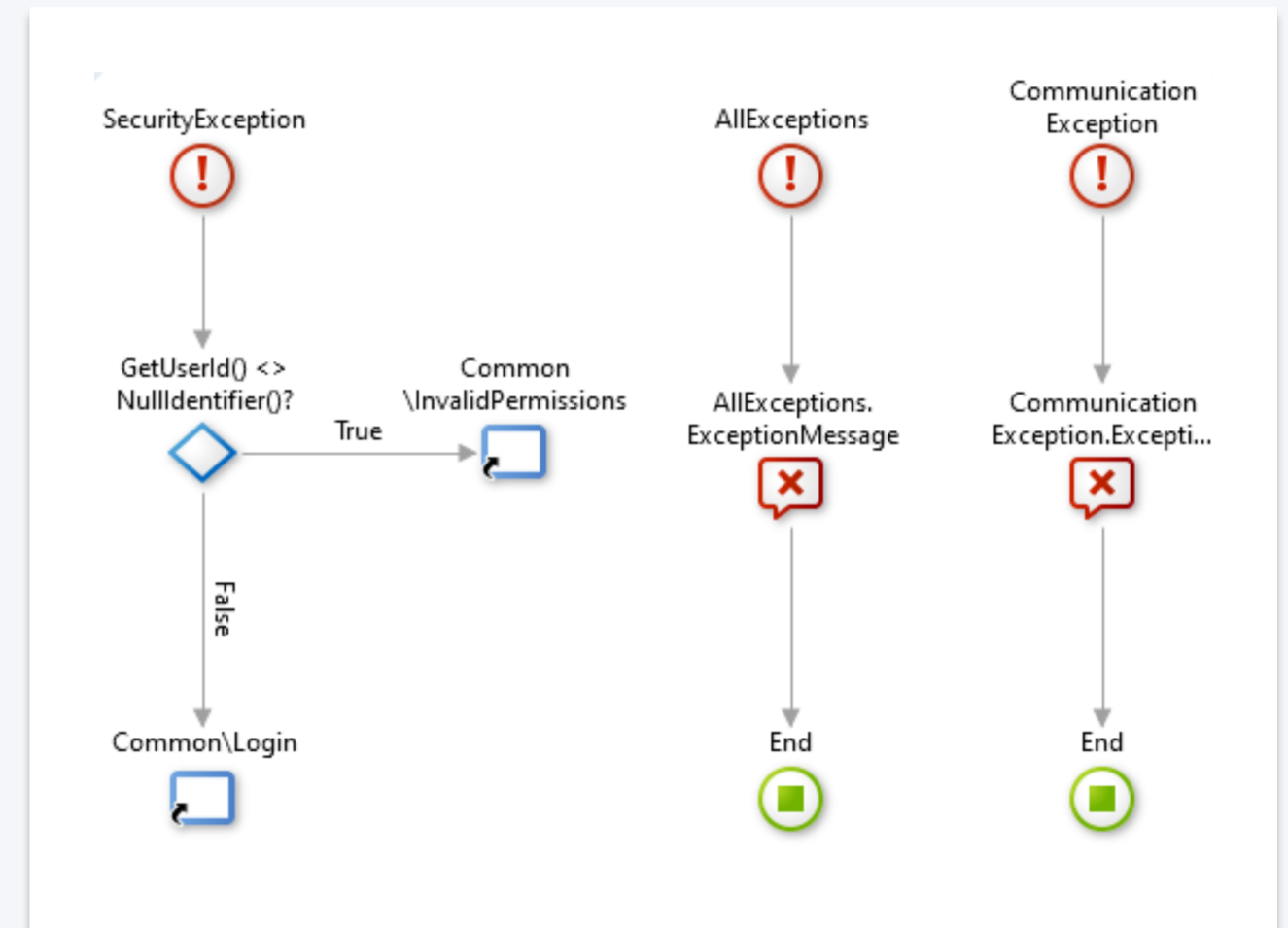
!! Exception Handler



- When an Exception is Raised
 - Execution is moved to the handler **most specific to the Exception** thrown
 - Execution continues through that handler flow
- An Action flow can have several exception handler flows
 - Database Exceptions
 - Security Exceptions
 - Communication Exceptions
 - Custom User Exceptions

⚡ ⚡ Global Exception Handler

- If a handler doesn't exist in the current execution context:
 - Runtime *bubbles-up* to check any outer contexts until a matching handler is found



⚡ ⚡ Global Exception Handler

- If a handler doesn't exist in the current execution context:
 - Runtime *bubbles-up* to check any outer contexts until a matching handler is found
- Module Global Exception Handler
 - Located in the Common UI Flow (default)
 - At most one per module
 - Highest possible level to bubble-up
 - **Should handle All Exceptions**

