



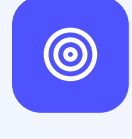
How to Handle Exceptions in UiPath Agents?

Automation isn't immune to errors. Apps crash, APIs fail, and data comes incomplete. Traditionally, RPA "try-catch" logic stopped everything when something went wrong. But with UiPath Agents and Agentic AI, exception handling becomes dynamic, intelligent, and self-recovering.

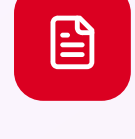
Modern agents now detect, classify, escalate, and resolve issues automatically, keeping automation resilient, compliant, and continuously improving.

Best Practices for Exception Handling in UiPath Agents

Use Try-Catch-Finally Intelligently



Separate Business vs. System Exceptions



Add structured logging in every catch block



Ensure cleanup tasks in "Finally" (close apps, release resources)



Pro Tip: Design every catch block for recovery, not just detection.

Implement Smart Retry Mechanisms

- Configure Retry Scope activities
- Use Orchestrator Queue retries for transactions
- Apply exponential backoff to prevent system overload

Example: Retry DB connection after 5s → 10s → 30s before escalation.



Result: Up to 30-40% fewer disruptions without human input.



Enable Robust Logging & Alerts

Centralize all logs for visibility and analytics.

01

Send logs to Orchestrator → Elastic Stack / Splunk

02

Configure real-time alerts (email, Teams, Slack)

03

Create dashboards for error frequency & resolution time

04

Maintain audit trails for compliance & learning



Use Human-in-the-Loop Escalations (UiPath Action Center)

01

Agent routes case with all context (claim ID, logs, screenshots).

→

02

User corrects data or approves.

→

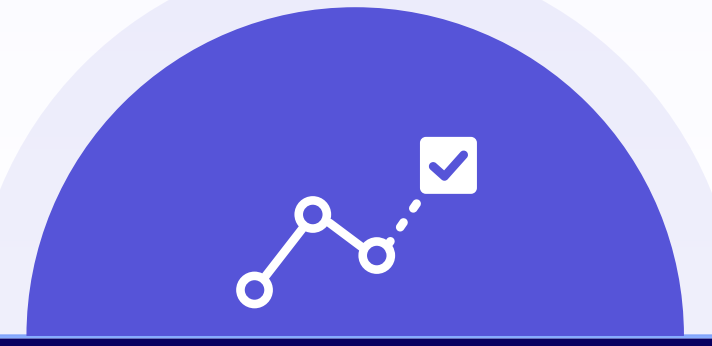
03

Agent resumes automatically.

Configure escalation by severity:

- Critical
- Moderate
- Low

Outcome: Smarter governance, faster recovery, minimal downtime.



Real-World Scenarios

Example 1 – Document Understanding Failure

Scenario: Missing "Tax ID" in invoice.

Agent Response:

- Detects missing field → raises Business Exception.
- Routes to Action Center → user updates.
- Resumes posting invoice automatically.



Outcome:

Process continuity & compliance.

Example 2 – Healthcare Claims Validation

Scenario: Invalid policy number in patient claim.

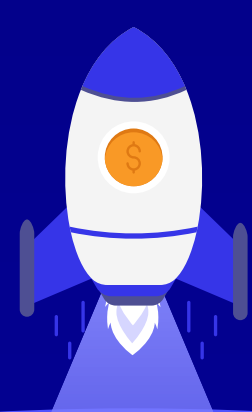
Agent Response:

- Lookup fails → raises exception.
- **Auto-categorizes escalation:**
Inactive → Claims SME
Not found → Customer support
Resolution logged for AI learning.



Outcome:

35% fewer claim errors



Make Your Automation More Resilient with Accelrate Experts.

