Error Handling and Recovery Process Flow

Platform Connection Error

Check ADB Connection and Device Status

Screenshot Capture Error

Retry Screenshot Capture

Navigation Timeout Error

Wait and Retry Navigation

Excel Export Error

Fallback to Basic Export Format

OCR Extraction Error

Use Alternative OCR Engine

Log Error Details with Context

Yes — No

Retry Count < 3?

Attempt Retry (up to 3 times)

Yes — No

Can Continue?

Apply Graceful Degradation

Mark Data as Uncertain

Continue with Partial Data

Show User-Friendly Error Message

Process Steps
Decisions
Recovery Actions
Error Types