Data Collection Process Flow Diagram

User Clicks "Start Collection"

Controller Connected?
- Yes
- No → Show Error

Validate Controller and Platform Connection

Initialize ApplicationController with Configuration

Capture Cultivation Screenshot

Extract Cultivation Stats (Leadership, etc.)

Navigate to Generals List Screen

Navigation Successful?

Set Generals List Filters and State

Count Total Available Generals

Navigate to Cultivation Screen

Navigate to Specialties Screen

Navigate to Covenant Screen

Start Background Collection Thread

Process Each General (Loop)

More Generals?
- Yes Continue
- No Complete

Extract Basic Data (Name, Level, Power, etc.)

Capture Specialties Screenshot

Capture Covenant Screenshot

Calculate Overall Confidence Score

Confidence ≥ Threshold?
- Yes
- No Mark Uncertain

Open General Details Screen

Capture Main Screenshot

Extract Specialty Data and Images

Extract Covenant General Data

Close General Details Screen

Reset Generals List State

Mark General as Uncertain if Low Confidence

Update Progress and Continue Loop

Collection Complete - Update UI