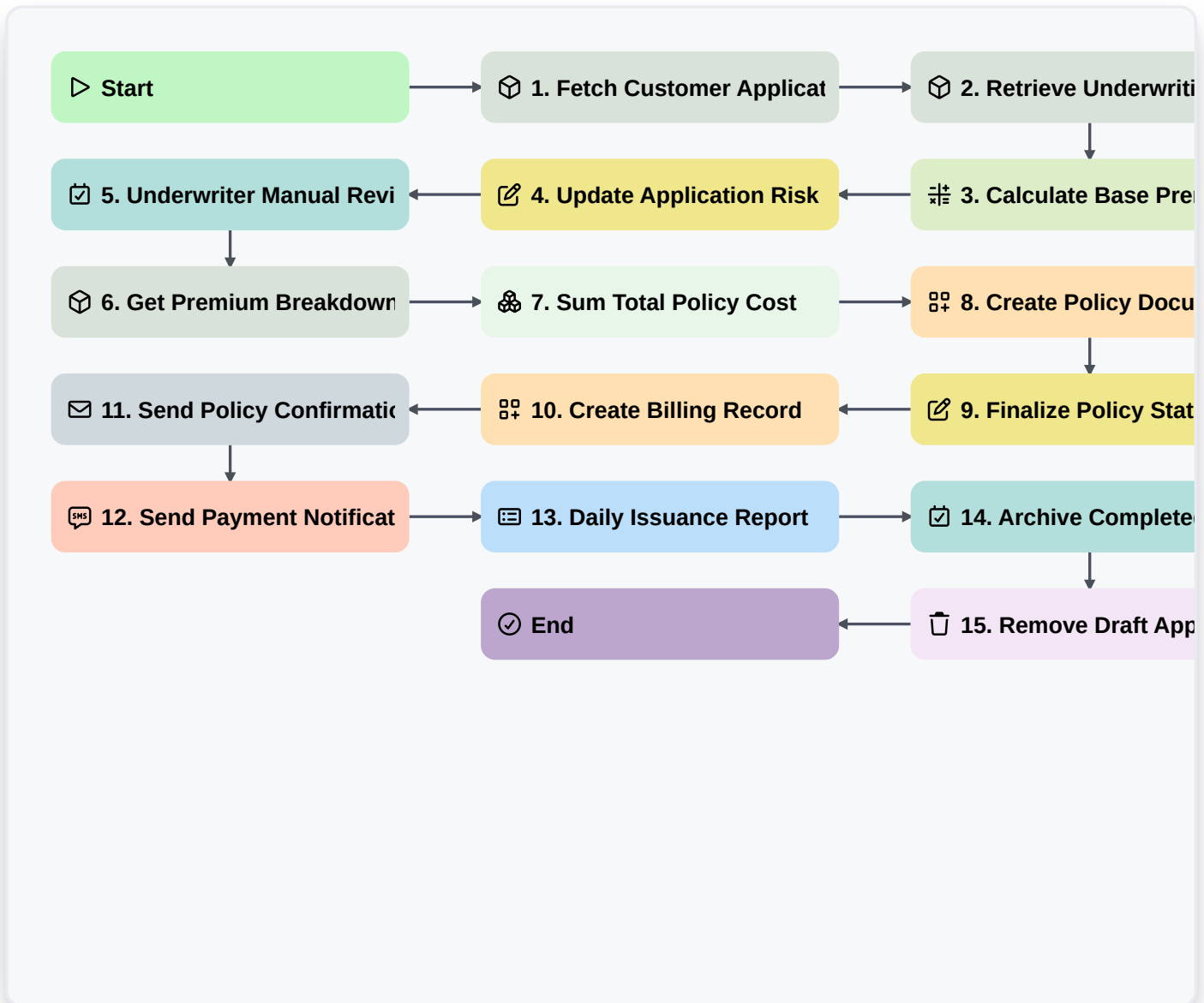


Automated Policy Issuance Workflow



▶ Start

Start of the Workflow/Process.

📦 1. Fetch Customer Application

Retrieve the initial policy application entry containing applicant details and requested coverage.

📦 2. Retrieve Underwriting Rules

Fetch the predefined risk assessment criteria and eligibility rules from the Underwriting Data Model.

🔢 3. Calculate Base Premium

Execute formula to calculate premium based on age, coverage amount, and risk score.

✍️ 4. Update Application Risk Score

Update the application entry with the calculated risk assessment result.

📋 5. Underwriter Manual Review

Create a task for the Underwriting Team if the calculated risk score exceeds the automated threshold.

📦 6. Get Premium Breakdown

Retrieve all individual fee entries (tax, processing fee, base premium) related to the application.



7. Sum Total Policy Cost

Aggregate all fee entries to calculate the total 'Gross Premium' to be charged to the customer.

8. Create Policy Document

Generate a new entry in the 'Policy' data model containing the finalized terms and conditions.

9. Finalize Policy Status

Update the original application entry status to 'Issued'.

10. Create Billing Record

Create an entry in the 'Invoices' data model linked to the new policy.

11. Send Policy Confirmation to Client

Send an automated email to the customer's email address with the policy summary and PDF attachment.

12. Send Payment Notification

Send an SMS to the customer's mobile number notifying them that their policy is active and payment is due.

13. Daily Issuance Report

Generate a daily summary report of all policies issued in the last 24 hours for the management team.

14. Archive Completed Application

Create a task for the Operations Clerk to move the application data to the long-term archive storage.

15. Remove Draft Applications

Delete temporary draft entries that were created during the calculation phase to maintain data cleanliness.

End

End of the Workflow/Process.