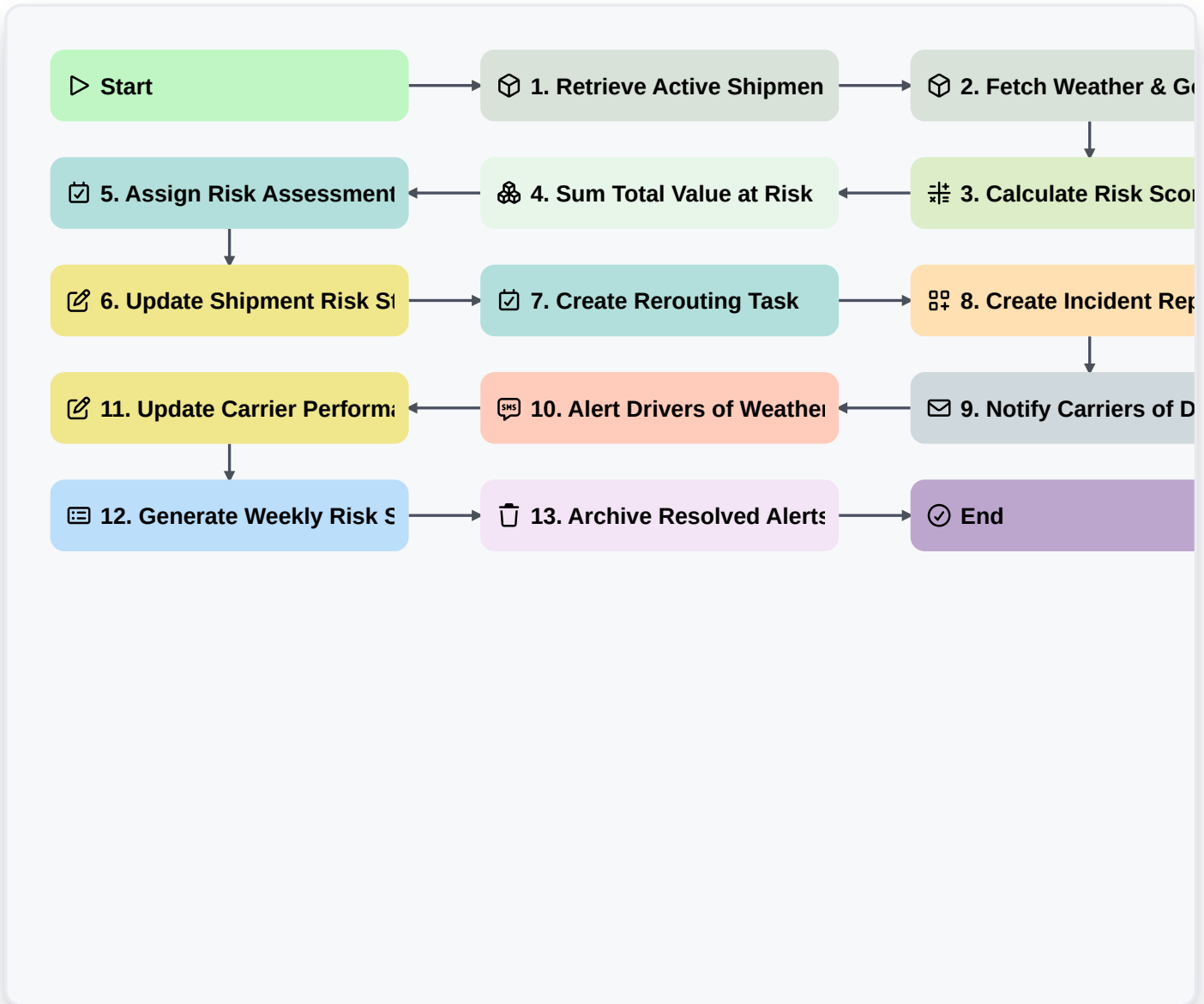


Logistics Risk Management Process



▷ Start

Start of the Workflow/Process.

📦 1. Retrieve Active Shipments

Fetch all current shipments from the Shipment Data Model to identify active transit routes.

📦 2. Fetch Weather & Geo-Alerts

Retrieve recent weather updates and geopolitical risk alerts from the Risk Intelligence Model.

🧮 3. Calculate Risk Score

Compute a weighted risk score based on weather severity, route congestion, and carrier reliability.

🔗 4. Sum Total Value at Risk

Aggregate the 'Cargo Value' field of all shipments flagged with a high risk score.

📅 5. Assign Risk Assessment Task

Create a task for the Logistics Manager to review high-value shipments flagged by the calculation.

📝 6. Update Shipment Risk Status

Update the 'Risk Level' field in the Shipment Data Model for all impacted shipments.



7. Create Rerouting Task

Generate a task for the Dispatcher to find alternative routes for high-risk shipments.

8. Create Incident Report

Generate a new entry in the 'Incident Log' Data Model for every shipment requiring rerouting.

9. Notify Carriers of Delay

Send an automated email to the assigned carriers regarding potential transit delays.

10. Alert Drivers of Weather Hazards

Send urgent SMS alerts to drivers currently on routes affected by extreme weather.

11. Update Carrier Performance Record

Update the carrier's 'Risk Rating' based on their handling of the current incident.

12. Generate Weekly Risk Summary

Create a summary report for stakeholders showing total shipments at risk and mitigation actions taken.

13. Archive Resolved Alerts

Delete/Archive expired risk alerts from the active monitoring queue.

End

End of the Workflow/Process.