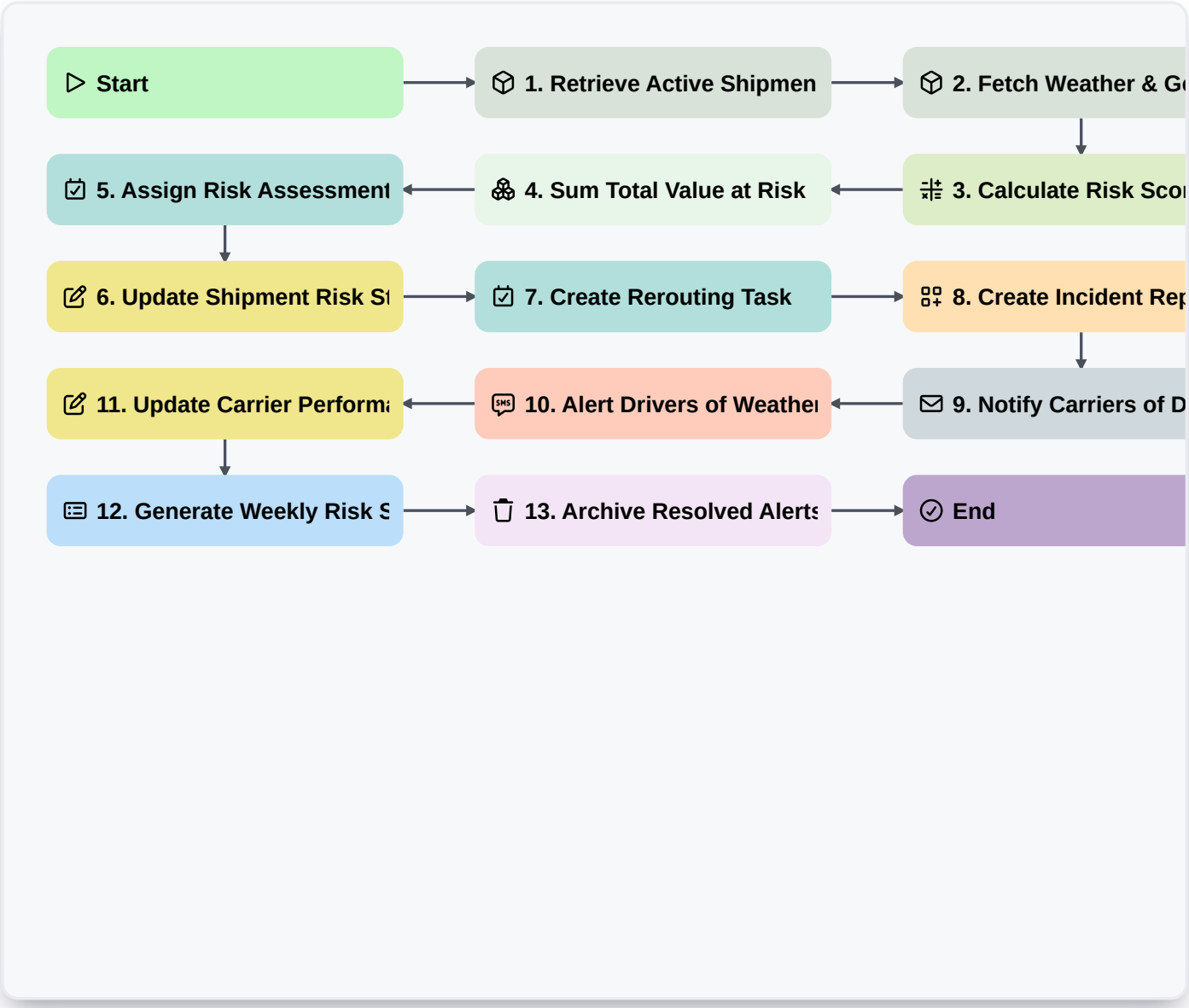
ChecklistGuro

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.