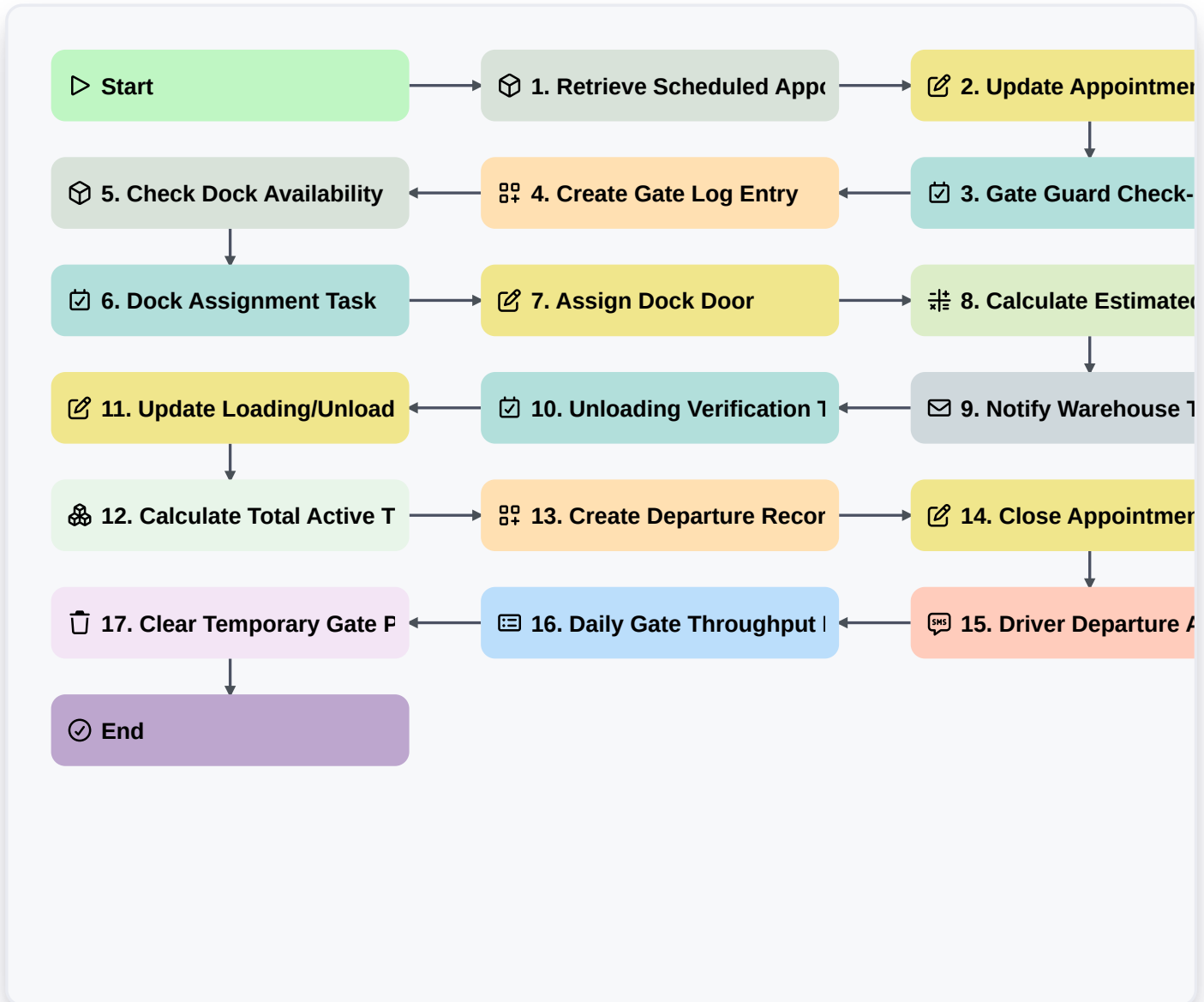


Dock Scheduling & Gate Management Process



▷ Start

Start of the Workflow/Process.

📦 1. Retrieve Scheduled Appointments

Fetch all upcoming truck appointments from the Dock Schedule data model for the current day.

✍️ 2. Update Appointment Status

Change the status of a dock appointment from 'Scheduled' to 'Arrived' when a truck reaches the gate.

☑️ 3. Gate Guard Check-in Task

Assign a task to the Gate Security officer to verify driver ID and cargo manifests upon arrival.

📄 4. Create Gate Log Entry

Create a new record in the Gate Log data model containing arrival time, driver name, and vehicle plate number.

📦 5. Check Dock Availability

Query the Dock Management model to find available, empty dock doors.

☑️ 6. Dock Assignment Task

Assign a task to the Warehouse Supervisor to assign a specific dock door to the arrived vehicle.



7. Assign Dock Door

Update the Appointment entry with the assigned Dock Door number.

8. Calculate Estimated Wait Time

Calculate the difference between current time and the scheduled appointment time to determine delay severity.

9. Notify Warehouse Team

Send an email to the receiving department notifying them that a high-priority shipment has arrived at the gate.

10. Unloading Verification Task

Create a task for the Forklift Operator to verify the seal integrity and cargo condition upon docking.

11. Update Loading/Unloading Status

Update the status of the dock activity to 'In Progress' once unloading begins.

12. Calculate Total Active Trucks

Sum the count of all entries in the Gate Log where status is 'At Dock' to monitor facility congestion.

13. Create Departure Record

Create a new entry in the Departure Log once the truck has finished loading/unloading.

14. Close Appointment

Update the original appointment entry to 'Completed' status.

15. Driver Departure Alert

Send an SMS to the driver's registered mobile number notifying them that their paperwork is signed and they are cleared to depart.

16. Daily Gate Throughput Report

Generate a daily performance report showing total arrivals, average wait times, and dock utilization rates.

17. Clear Temporary Gate Pass

Delete the temporary digital gate pass entry once the vehicle has successfully exited the facility.

End

End of the Workflow/Process.