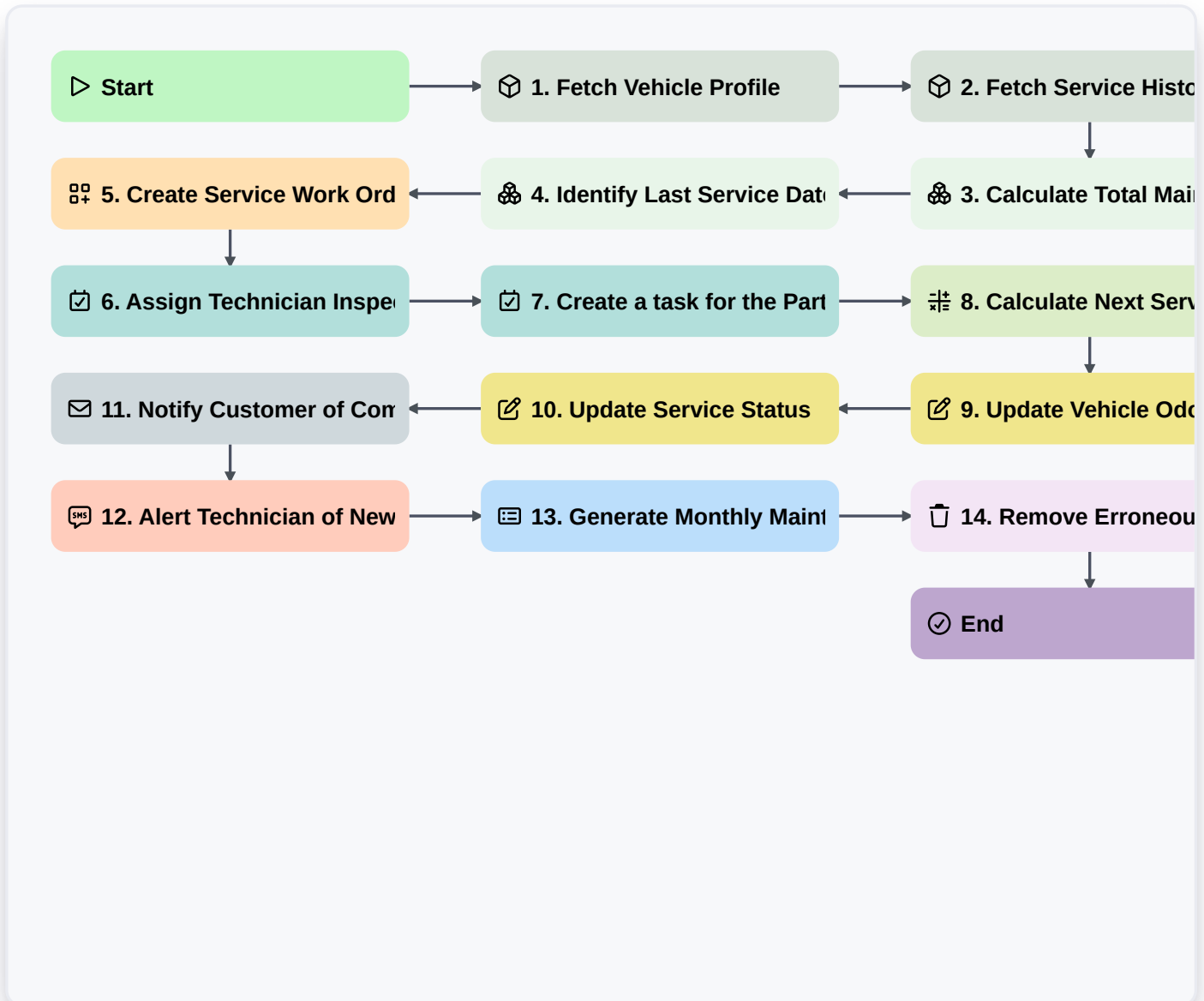


Service History And Vehicle Record Management



Start

Start of the Workflow/Process.

1. Fetch Vehicle Profile

Retrieve the core vehicle details (VIN, Make, Model, Year) from the Vehicle Data Model using the License Plate or VIN.

2. Fetch Service History

Retrieve all previous service records associated with the specific Vehicle ID to identify recurring issues.

3. Calculate Total Maintenance Cost

Sum the 'Cost' property from all historical service entries to determine the total lifetime maintenance spend for the vehicle.

4. Identify Last Service Date

Find the Max (most recent) date from the service history entries to determine if a follow-up is due.



5. Create Service Work Order

Generate a new entry in the Service Records data model containing the new repair details and technician assigned.

6. Assign Technician Inspection

Create a task for the assigned mechanic to perform a physical inspection of the reported vehicle issue.

7. Create a task for the Parts De...

Create a task for the Parts Department to verify the availability of required components in the warehouse.

8. Calculate Next Service Interval

Add a predefined mileage/time interval (e.g., 5000 miles or 6 months) to the 'Last Service Date' to project the next required service.

9. Update Vehicle Odometer

Update the 'Current Mileage' field in the Vehicle Data Model with the new reading recorded during the service.

10. Update Service Status

Change the status of the Service Work Order from 'In Progress' to 'Completed' upon task completion.

11. Notify Customer of Completion

Send an automated email to the vehicle owner with the summary of work performed and the final invoice.

12. Alert Technician of New Task

Send an SMS alert to the mechanic's mobile number when a new Service Work Order is assigned to them.

13. Generate Monthly Maintenance Report

Compile a report aggregating all completed service entries to analyze workshop productivity and common repair types.

14. Remove Erroneous Entry

Delete a duplicate or incorrectly entered service record from the data model.

End

End of the Workflow/Process.