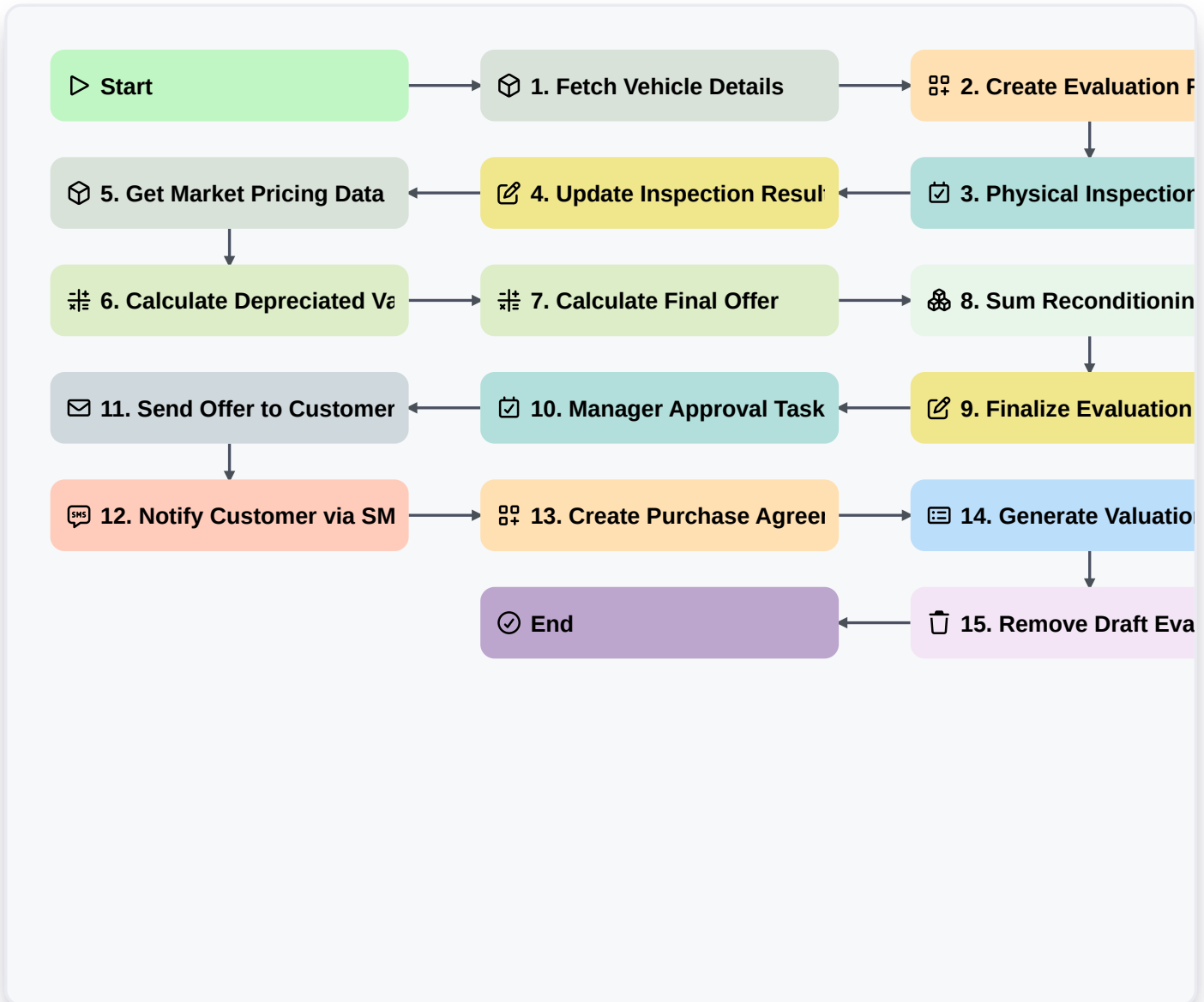


# Automotive Vehicle Trade-In Evaluation Process



## ▷ Start

Start of the Workflow/Process.

## 📦 1. Fetch Vehicle Details

Retrieve existing vehicle information from the Vehicle Master Data model based on VIN.

## 📄 2. Create Evaluation Record

Generate a new evaluation entry in the Trade-In Assessment data model to track the current session.

## 📝 3. Physical Inspection Task

Assign a task to a technician to perform the visual and mechanical inspection of the vehicle.

## 📝 4. Update Inspection Results

Update the Evaluation Record with findings from the physical inspection (scratches, dents, mechanical issues).

## 📦 5. Get Market Pricing Data

Fetch current market valuation data and historical pricing for the specific vehicle model.

## 📈 6. Calculate Depreciated Value

Calculate the estimated trade-in value by applying depreciation formulas to the market price based on vehicle condition.



## **7. Calculate Final Offer**

Calculate the final offer amount by subtracting estimated reconditioning costs from the depreciated value.

## **8. Sum Reconditioning Costs**

Aggregate all individual repair cost entries found during inspection to get a total estimated repair cost.

## **9. Finalize Evaluation Entry**

Update the Evaluation Record with the final calculated offer and completion timestamp.

## **10. Manager Approval Task**

Assign a task to the Sales Manager to review and approve the calculated trade-in offer.

## **11. Send Offer to Customer**

Send an automated email to the customer containing the final trade-in offer details.

## **12. Notify Customer via SMS**

Send a brief SMS notification to the customer letting them know their valuation is ready for review.

## **13. Create Purchase Agreement**

Generate a new entry in the Contracts data model to initiate the legal trade-in paperwork.

## **14. Generate Valuation Summary Report**

Create a PDF report summarizing the vehicle condition, market comparison, and final offer for the dealership archives.

## **15. Remove Draft Evaluation**

Delete the temporary evaluation draft if the customer declines the offer and the process is aborted.

## **End**

End of the Workflow/Process.