

ROAD CREW
SOLUTIONS



Vehicle Maintenance Guide

ANTHONY DE LEON,

SPRING 2025 CAPSTONE

INDEX

Table of Contents

03

Introduction To The Vehicle
Maintenance app

04

Navigating The Home
Page

05

Understanding Vehicle
Maintenance Histories

06

Creating A Vehicle
Maintenance History Record

07

Understanding & Creating a
Maintenance Schedule
Record

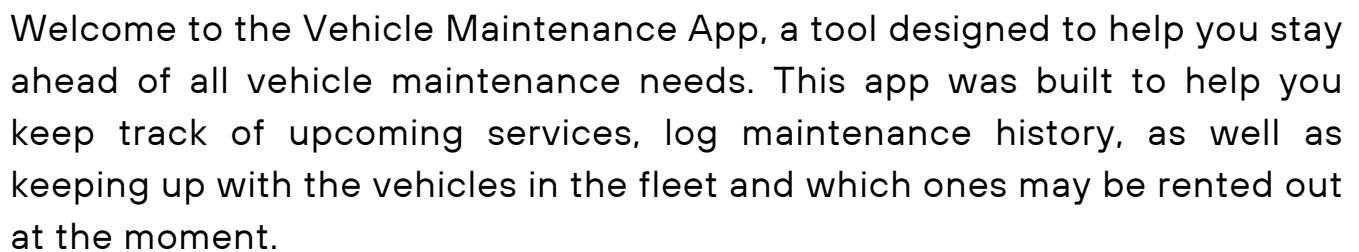
08

Reports & Tools

09

Video Tutorial Links

Introduction To The Vehicle Maintenance App



03

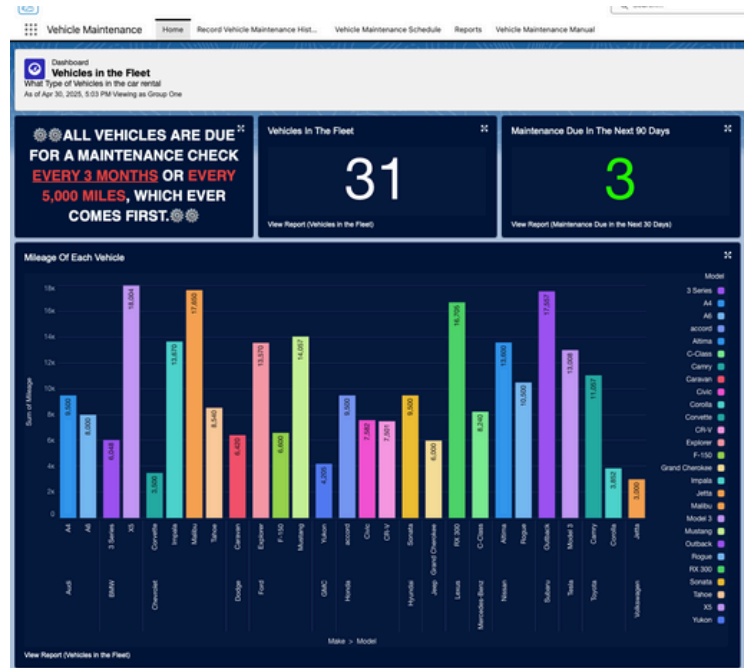
THE HOME PAGE

Navigating The Home Page

What Is The Home Page

The Home Page gives you an instant overview of your vehicles and their status.

Here you will not only be able to see the total number of vehicles you have, but you will be able to identify which vehicle maintenance is due and monitor mileage of each vehicle.



Key Features on the Home Page

Vehicle Overview

- View a list of the total number of vehicles, the vehicle make and model, vehicle names, and mileage.

Upcoming Maintenance

- Easily identify any vehicles that are due for a maintenance service.

Reminder

- A helpful reminder on when vehicles are due for maintenance.

Maintenance Due In The Next 90 Days				
Make	Model	Date Next Maintenance Is Due	Last Maintenance Mileage	Mileage Next Maintenance Is Due
Dodge	Caravan	6/12/2025	6,420	11,420
Honda	CR-V	7/31/2025	7,600	12,600
Nissan	Rogue	7/31/2025	10,500	15,500

Vehicles In The Fleet		
Make	Model	Vehicle Name
Audi	A8	VEHICLE-0004
Audi	A4	VEHICLE-0017
BMW	X5	VEHICLE-0013
BMW	3 Series	VEHICLE-0028
Chevrolet	Malibu	VEHICLE-0011
Chevrolet	Tahoe	VEHICLE-0025
Chevrolet	Impala	VEHICLE-0029
Chevrolet	Corvette	VEHICLE-0031
Dodge	Caravan	VEHICLE-0025
Ford	F-150	VEHICLE-0008
Ford	Explorer	VEHICLE-0009
Ford	Mustang	VEHICLE-0023
GMC	Yukon	VEHICLE-0026
Honda	accord	VEHICLE-0002
Honda	Civic	VEHICLE-0008
Honda	CRV	VEHICLE-0022

MAINTENANCE HISTORY

Understanding The Maintenance Histories Page

What’s This Page For?

This page allows you to review, record, and manage all of the maintenance done on each vehicle. You can also view which vehicles are due for maintenance soon. As well as the mileage of each vehicle.

Create Maintenance History Flow

*Maintenance Date

*Vehicle

--Name--

*Maintenance Mileage

Type of Maintenance

--Name--

Save Maintenance Record

Dashboard

Vehicle Name / Vehicle Make & Model

As of May 2, 2025, 8:24 PM Viewing as Group One

Open Refresh Subscribe

Vehicle Name / Make & Model

Vehicle Name	Make	Model	Mileage
VEHICLE-0001	Toyota	Camry	2,000
VEHICLE-0002	Honda	accord	3,000
VEHICLE-0003	Nissan	Altima	2,800
VEHICLE-0004	Audi	A8	8,000
VEHICLE-0005	Subaru	Outback	16,067
VEHICLE-0006	Ford	F-150	6,800
VEHICLE-0007	Toyota	Camry	9,067
VEHICLE-0008	Honda	Accord	6,500
VEHICLE-0009	Ford	Explorer	13,570
VEHICLE-0010	Tesla	Model 3	13,008
VEHICLE-0011	Chevrolet	Malibu	17,680
VEHICLE-0012	Nissan	Rogue	10,500
VEHICLE-0013	BMW	X5	16,064
VEHICLE-0014	Hyundai	Sonata	6,500
VEHICLE-0015	Jep	Grand Cherokee	6,000
VEHICLE-0016	Mercedes-Benz	C-Class	8,240
VEHICLE-0017	Audi	A4	9,500
VEHICLE-0018	Subaru	Outback	1,500
VEHICLE-0019	Volkswagen	Jetta	3,000
VEHICLE-0020	Chevrolet	Tahoe	8,540

View Report (Vehicles in the Fleet)

Key Features

Create Maintenance History

- Enter key maintenance details such as date, mileage, and type of service..

Recent History Overview

- View a list of recently submitted maintenance history records for quick reference.

Upcoming Service

- View any upcoming maintenance services and their due dates.

Vehicle List

- Quick view of each vehicle mileage, make, and model as a reference when creating records

Vehicle Maintenance Histories

All

3 Items • Sorted by Vehicle Maintenance History Name • Filtered by All vehicle maintenance histories • Updated 11 minutes ago

Vehicle Maintenance History Name

1 MAINTENANCEHISTORY0026

2 MAINTENANCEHISTORY0025

3 MAINTENANCEHISTORY0023

Dashboard

Maintenance

As of May 2, 2025, 8:24 PM Viewing as Group One

Open Refresh Subscribe

Maintenance Due in the Next 30 Days

Vehicle: Vehicle Name	Date Next Maintenance is Due
VEHICLE-0012	7/31/2025
VEHICLE-0025	6/12/2025
VEHICLE-0030	7/31/2025

View Report (Maintenance Due in the Next 30 Days)

Maintenance Due in the Next 30 Days

View Report (Maintenance Due in the Next 30 Days)

3

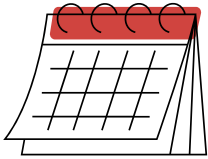
05

MAINTENANCE HISTORY

Creating a Maintenance History Record

Creating a maintenance history record is designed to help you quickly and easily log any service completed on a vehicle in your fleet. This helps keep track of what service was done and when.

Steps To Create a Maintenance History Record



1) Maintenance Date

Enter the date that you did the service.



2) Select Vehicle

Choose the vehicle that will be getting serviced.



3) Maintenance Mileage

Record the current mileage of the vehicle.



4) Type Of Maintenance

Choose from the list, the type of maintenance the vehicle will be getting.



6) Confirm and Submit Maintenance History Record

Confirm that all information is correct and then submit the history record.

Create Maintenance History Flow

*Maintenance Date ⓘ

*Vehicle

*Maintenance Mileage ⓘ

Type of Maintenance

Save Maintenance Record

MAINTENANCE SCHEDULE

Create A Maintenance Schedule

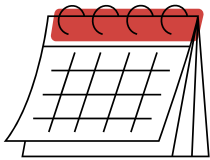
The page helps you to stay ahead of planning and knowing when a vehicles next service is due. You are able to view any recent history records made to help you create the schedule.

Steps To Create a Maintenance Schedule



1) Select A History Record

Pick the recent history record from the list to schedule it's next maintenance date.



2) Choose Maintenance Time Period

Choose from the list if you want the car to come back in 3 months or in a year.



3) Maintenance Mileage

Select 5,000 miles from the list, This will ensure the vehicle is flagged for service if it reaches the mileage threshold before the scheduled date.



4) Finish

Ensure all information is correct and submit the record to schedule the vehicles next service date.

Vehicle Maintenance Schedule

Create Maintenance Schedule Record

Select Maintenance History Record

None

Maintenance Period

None

Maintenance Mileage

None

Create Maintenance Schedule

Dashboard

Upcoming Maintenance

As of May 2, 2025, 9:03 PM Viewing as Group One

Open Refresh Subscribe

Upcoming Maintenance

Make	Model	Date Next Maintenance is Due	Last Maintenance Mileage	Mileage Next Maintenance is Due	Vehicle/Vehicle Name	Available
Dodge	Charger	6/12/2025	6,400	11,400	VEHICLE-0005	<input checked="" type="checkbox"/>
Honda	CR-V	7/31/2025	7,800	12,800	VEHICLE-0006	<input checked="" type="checkbox"/>
Nissan	Proje	7/31/2025	10,500	15,500	VEHICLE-0012	<input checked="" type="checkbox"/>

View Report (Vehicle Schedule Reports)

Vehicle Maintenance Schedules

All

3 Items - Sorted by Vehicle Maintenance Schedule Name - Filtered by All vehicle maintenance schedules - Updated 5 minutes ago

Vehicle Maintenance

Job Name

1 MAINTENANCE-0041

2 MAINTENANCE-0037

3 MAINTENANCE-0031

Recent History Records (3)

MAINTENANCEHISTORY0026

MAINTENANCEHISTORY0025

MAINTENANCEHISTORY0023

Dashboard

Type Of Maintenance

As of May 2, 2025, 9:03 PM Viewing as Group One

Open Refresh Subscribe

Type of Maintenance

Record Count

33.33%

66.67%

Type Of Maintenance

Time Rotation

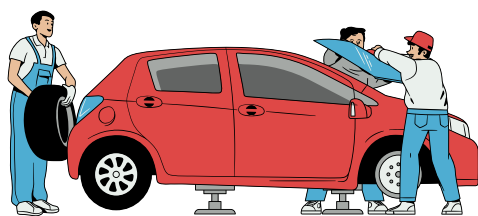
View Report (Type of Maintenance)

QUICK ACCESS

The Reports & Tools Page

The Reports and Tools page provides quick access to key reports including vehicle records, maintenance history, and maintenance schedule for an easier way to update or review any reports. You can also view dashboards that keep you up to date on upcoming services and which vehicles may be rented out soon.

Reports



Dashboards

View a summary of vehicles due for maintenance to ensure vehicles are serviced on time. As well as an overview of all the vehicles and which may be getting rented soon.

Tools



Need To Make An Update?

Quickly access any reports that need to be reviewed, updated, or deleted.

Vehicle Maintenance Schedules

Vehicle Maintenance Histories

Vehicles

Dashboard

Vehicle Name / Vehicle Make & Model

As of May 3, 2025, 4:24 PM Viewing as Group One

Open Refresh Subscribe

Vehicle Name / Make & Model	Make	Model	Mileage
VEHICLE-0001	Toyota	Corolla	2,000
VEHICLE-0002	Honda	Accord	3,000
VEHICLE-0003	Nissan	Altima	2,500
VEHICLE-0004	Audi	A6	5,000
VEHICLE-0005	Subaru	Outback	10,000
VEHICLE-0006	Ford	F-150	8,000
VEHICLE-0007	Toyota	Camry	9,000
VEHICLE-0008	Honda	Accord	6,000
VEHICLE-0009	Ford	Explorer	12,000
VEHICLE-0010	Tesla	Model 3	13,000
VEHICLE-0011	Chevrolet	Malibu	11,000
VEHICLE-0012	Nissan	Altima	10,000
VEHICLE-0013	BMW	3 Series	18,000
VEHICLE-0014	Hyundai	Sonata	9,000
VEHICLE-0015	Jeep	Grand Cherokee	6,000
VEHICLE-0016	Mercedes-Benz	C-Class	8,000
VEHICLE-0017	Audi	A6	9,000
VEHICLE-0018	Subaru	Outback	1,000
VEHICLE-0019	Volkswagen	Jetta	5,000
VEHICLE-0020	Chevrolet	Tahoe	8,000

View Report (Vehicle Schedule Reports)

Dashboard

Upcoming Rentals

As of May 3, 2025, 4:24 PM Viewing as Group One

Open Refresh Subscribe

Rental Agreement Name	Rental Start Date	Rental End Date	Vehicle	Vehicle Name
RENTAL000001	5/5/2025	5/15/2025	VEHICLE-0001	

View Report (Upcoming Rentals in the Next 7 Days)

Dashboard

Upcoming Maintenance

As of May 3, 2025, 4:24 PM Viewing as Group One

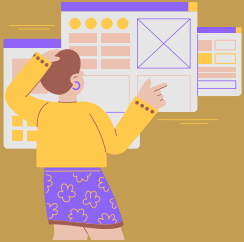
Open Refresh Subscribe

Make	Model	Date Next Maintenance is Due	Last Maintenance Mileage	Mileage Next Maintenance is Due	Vehicle	Vehicle Name	Available
Dodge	Charger	6/10/2025	6,400	11,400	VEHICLE-0005		
Honda	CR-V	7/01/2025	7,800	12,800	VEHICLE-0006		
Nissan	Altima	7/01/2025	10,500	15,500	VEHICLE-0010		

View Report (Vehicle Schedule Reports)

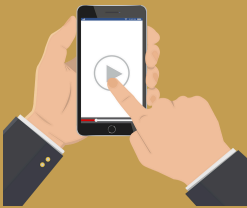
WALKTHROUGH

Video Tutorials



The Vehicle Maintenance App

Learn how to navigate through the Vehicle Maintenance App. <https://vimeo.com/1081340869?share=copy>



Navigating The Home Page

Learn how to explore the Vehicle Maintenance App. <https://vimeo.com/1081340663?share=copy>



Create A Vehicle Maintenance History Record

Understand the layout and how to create a maintenance history record. <https://vimeo.com/1081344134>



Schedule The Next Maintenance Date

Understand the page resources and how to create a maintenance schedule. <https://vimeo.com/1081349989?share=copy>



Understand The Reports & Tools Page

See how to quickly access important reports. <https://vimeo.com/1081351964?share=copy>