Background

The system designed by Parallax comes with many features developed in accordance with client requirements. To better understand the features and how to utilize them, the User Manual is here to walk through new users through the various functions available. Below are the various interactive tabs that are used to interact with the application, with explanations on how to utilize them.

User Manual

The first tab on the top bar is called "User Manual", which can be accessed by clicking on it at the top, or by clicking the text "Reyes Auto Electric & Mechanic", on the top left. This page is used to display a shortened version of the User Manual, providing general definitions of what each tab contains and what they do. The six dropdowns in

the list correspond to the top tabs as well, excluding the User Manual button. To view the details for each tab, click on the line for the specific tab to wish to read more about, to close, simply click it again or refresh the page.

Customers
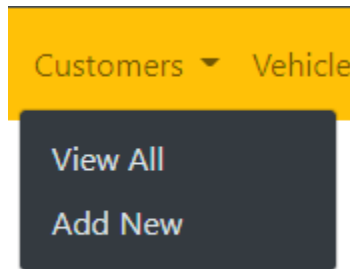
Upon clicking the Customer dropdown, the "View All" and "Add New" options will appear. Clicking "View All" button will lead you to a page where all current customers of the store are displayed.

Edit	Delete	First Name	Last Name	Email	Cellphone	Homephone	Workphone	Address	Suite #	City	State	Zipcode
Edit	Delete	John	Doe	st.doe@email.com	(321) 654-9870	(123) 456-7890		1234 America Rd	0	Cityton	Texas	78542
Edit	Delete	Jane	West	j.west@email.com	(748) 596-1423	(584) 263-8461	(123) 456-7894	4152 Westeros Lane	0	Amytyville	Conneticut	48547
Edit	Delete	Tim	Hanson	32tim.h@email.com	(485) 236-5686	(845) 431-3549		578 Lipton Rd	874	Portland		89798

Details regarding the customer are displayed and are made searchable by utilizing the search bar below the Customers title. To narrow down the records to a specific, type in any details regarding the record you are searching for.

Customers

John

● All

Edit	Delete	First Name	Last Name	Email	Cellphone	Homephone	Workphone	Address	Suite #	City	State	Zipcode
Edit	Delete	John	Doe	st.doe@email.com	(321) 654-9870	(123) 456-7890		1234 America Rd	0	Cityton	Texas	78542

On the far left of the record details, 2 buttons are displayed, an "Edit" and "Delete" button. Clicking the red "Delete" button will trigger an automatic response from the page to make sure that you do in fact wish to remove the selected record, if so the page refreshes and the record is removed. Clicking the green "Edit" button will lead to a page (below) where the user can edit the details of the selected customer, and the current details they have are made editable.

Edit Customer

First Name

John

Last Name

Doe

Home Phone

(123) 456-7890

Cell Phone

(321) 654-9870

Work Phone

Email

st.doe@email.com

Address

1234 America Rd

Suite Number

0

City

Cityton

State

Texas

Zipcode

78542

Update

In the Customers dropdown, the second option displayed is "Add New", a page (below) which allows you to add a new customer to the system. The input options are the same as those found in the edit page, except now they are empty, and they are adding a customer, not editing one. Upon pressing the create button on the bottom, the user is lead to a page where they can now add a new vehicle for the customer, which will be discussed in the next section.

Add Customer

First Name*

Last Name*

Home Phone*

Cell Phone

Work Phone

Email*

Address*

Suite Number*

City*

State*

Zipcode*

Create

Vehicles

Directly after submitting the customer information, the user is lead to the "Add Vehicle" page, where they can add a vehicle to the customer.

Add Vehicle

Vehicle Owner

| Options | Search by Name or Home | ⌄ |

● All

Make*

Model*

Year*

Engine

Color*

License Plate*

Miles*

Is Insured?*

| Options | ⌄ |

Has Wheel Locks?*

| Options | ⌄ |

Create

On the "Add Vehicle" page, the user is presented with the inputs needed to submit the form, those with an asterisk being required. At the top, the "Vehicle Owner" has an embedded search feature, which allows the user to search through the various customers and assign on to the vehicle. The most recently created is listed at the top, and as text is typed into the search bar, the list shortens to list those that relate.

Adding a new vehicle is on of two options that appear once the user clicks on the dropdown for Vehicles. The other being the "View All" option, same as the customer page, where all vehicles the shop has worked on is displayed.

Vehicles

Edit	Delete	Customer Name	License Plate	Make	Model	Year	Engine	Color	Miles	Is Insured?	Wheel Locks?
Edit	Delete	John Doe	GH12A7	Kia	Optima	2012	V2	Gray	120000	Yes	No
Edit	Delete	Jane West	V4G45Q	Nissan	Rogue	2016	V6	Red	214500	Yes	Yes
Edit	Delete	Tim Hanson	D4544D	Toyota	Camry	2020	V8	White	123454	No	No

On the View All page for vehicles, the search bar works the same as it does for the customers page, but now new options appear below the search bar. "All", "Insured" and "Not Insured" are shown as options, and depending on what the user chooses, affects which records are displayed. If "All" is selected, all records are displayed,

"Insured" limits the records to those that are insured, and "Not Insured" limits the records to those that are not insured.
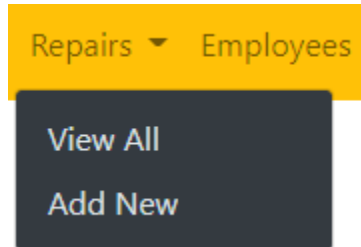
On the far left of the record details, 2 buttons are displayed, an "Edit" and "Delete" button. Clicking the red "Delete" button will trigger an automatic response from the page to make sure that you do in fact wish to remove the selected record, if so the page refreshes and the record is removed. Clicking the green "Edit" button will lead to a page (below) where the user can edit the details of the selected vehicle, and the current details they have are made editable.

Edit Vehicle

Make

Kia

Model

Optima

Year

2012

Engine

V2

Color

Gray

License Plate

GH12A7

Miles

120000

Is Insured?

| Options | Yes | ⌄ |

Has Wheel Locks?

| Options | No | ⌄ |

Update

Repairs

Upon clicking the Repairs dropdown, the "View All" and "Add New" options will appear. Clicking "View All" button will lead you to a page where all repairs the shop has performed is displayed.

Repair History

Edit	Mechanic	Customer	Customer Cell	Vehicle	Checkin Date	Checkout Date	Service Type	Authorized?	Complete?	Mechanic Notes
Edit	Jax Huxley	John Doe	(321) 654-9870	Gray Kia Optima	2022-10-11	2022-10-11	Oil Change	Yes	Yes	No issues, payment received.
Edit	Daniel Fitzgerald	Jane West	(748) 596-1423	Red Nissan Rogue	2022-10-14	2022-10-19	Airbag Replacement	Yes	Yes	Good to go

Details regarding the repair are displayed and are made searchable by utilizing the search bar below the Repair History title. To narrow down the records to a specific, type in any details regarding the record you are searching for.

Repair History

Jax
● All ○ Completed ○ Not Completed

| Edit	Mechanic	Customer	Customer Cell	Vehicle	Checkin Date	Checkout Date	Service Type	Authorized?	Complete?	Mechanic Notes
Edit	Jax Huxley	John Doe	(321) 654-9870	Gray Kia Optima	2022-10-11	2022-10-11	Oil Change	Yes	Yes	No issues, payment received.

On the far left of the record details, a green "Edit" button is displayed. Clicking the green "Edit" button will lead to a page (above) where the user can edit the details of the selected repair, and the current details they have are made editable.

New Repair

Select Customer	Select Vehicle
Options ⌄	Options ⌄

Select Employee	Select Service*
Options ⌄	Options ⌄

Checkin Date	Checkout Date
mm/dd/yyyy 🗓	mm/dd/yyyy 🗓

☐ Service Authorized? ☐ Service Complete?

Employee Notes

[   ]

[Submit]

In the Repairs dropdown, the second option displayed is "Add New", a page (above) which allows you to add a new repair to the system. The input options are the same as those found in the edit page, except now they are empty, and they are adding a repair, not editing one. The create page for Repairs now includes dropdowns for selecting a customer, vehicle, employee, and service. Upon choosing a customer, the vehicles are then limited to vehicles the customer has brought in, making it easier to read through and select.

Employees & More
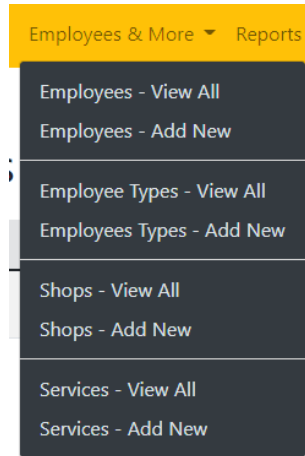
In the "Employees & More" tab the view and create pages for various database tables are stored here. The first two options have to do with the Employee information aspect of the system. Clicking on its' View All option (below), information regarding the employees is displayed, alongside their Occupation and their Shop location where they are working. The search bar performs the same function as seen in the previous tabs, as well as the Edit and Delete buttons for each record.

All Employees

One major difference that the Employees create and edit pages have between the rest is that Job Type and Shop location needs to be selected for a new employee to be added. Standard information regarding the employee is present for input as well, but Job Type and Shop Location are dropdowns, providing a list of options to choose from. All attributes are required unless "optional" is present next to it. Below, the create and edit pages are presented side by side.

Also found in the "Employees & More", options for viewing and creating new submissions for Employee Types, Shops, and Services are present, and are nearly identical to each other, with only a few minor differences being with the type of information required and displayed. The view pages for each one contains the display of

information for each table and contain Edit and Delete buttons for each record,

performing the same function as they do in the other view pages. In these three tables,

the create pages require all the inputs present to be filled before they are submitted.

Employee Types – View All and Create

Employee Types

Edit	Delete	Employee Description	Base Salary
Edit	Delete	Mechanic	40000
Edit	Delete	Senior Mechanic	50000
Edit	Delete	Receptionist	35000
Edit	Delete	Custodian	30000

Add Employee Type

Employee Description*

Base Salary*

Create

Shops – View All and Create

Shops

Edit	Delete	Address	State	City	Zipcode
Edit	Delete	18037 W Little York Rd # B	Katy	Texas	77449

Add Shop

Address*

City*

State*

Zipcode*

Create

Services -View All and Create

In the view for Services, three options are presented below the search bar which can manipulate which data is presented, changing between All, Quick, and Not Quick services.

All Services

Search all fields

● All ○ Quick ○ Not Quick

Edit	Delete	Service Description	Quick Service?
Edit	Delete	Oil Change	No
Edit	Delete	Tire Change	Yes
Edit	Delete	Window Replacement	No
Edit	Delete	Airbag Replacement	No

Create a Service

Service Description

[   ]

Is it a quick service?
○ Quick
● Not Quick

[Create]

Reports

Reports ▾

Employee Assignments

Completed Repairs

Incomplete Repairs

Repair Distribution

Vehicle Distribution

Vehicles Checked IN

Vehicles Checked OUT
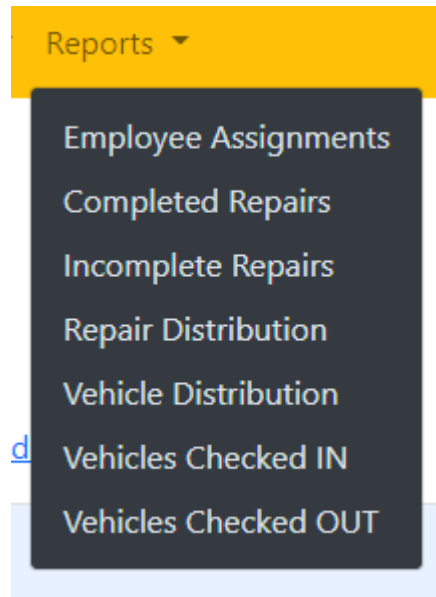
The final tab contains Reports, summaries of the data available in the database which can be called upon to present information in a way that can provide data for the business. The seven reports present different kinds of pages with data that can help the business make decisions and understand more about the data.

Employee Assignments

The Employee Assignments report allows the user to select a mechanic to then pull up a list of all the repairs they have assigned to them. Upon selecting a Mechanic and clicking Create Report, the user is then sent to a page where they can then view that employee's repairs.

Employee Assignment Report

Employee

| Employees | ⌄ |

Create Report

Employee Assignment Report For:

Daniel Fitzgerald

| Search all fields |

○ All   ○ Incomplete   ● Complete

Customer Name	Customer Home #	Vehicle Details	Service Completed?	Service Description	Service Authorized?	Is Quick?
Jane West	(584) 263-8461	Red Nissan Rogue	Yes	Airbag Replacement	Yes	No
Jane West	(584) 263-8461	Red Nissan Rogue	No	Airbag Replacement	Yes	No
Jane West	(584) 263-8461	Red Nissan Rogue	No	Airbag Replacement	Yes	No
Tim Hanson	(845) 431-3549	White Toyota Camry	Yes	Tire Change	Yes	Yes

Completed Repairs

The Completed Repairs report generates a list of vehicles along with their repair history information but only those that have been marked as having that specific repair "complete."

Completed Repairs

Customer Name	Homephone	Vehicle Details	Employee Name	Service Description	Service Complete?	Mechanic Notes	Checkin Date	Checkout Date	Address	City	State	Zipcode
John Doe	(123) 456-7890	Gray Kia Optima 2012	Jax Huxley	Oil Change	Yes	No issues, payment received.	2022-10-11	2022-10-11	18037 W Little York Rd # B	Katy	Texas	77449
Tim Hanson	(845) 431-3549	White Toyota Camry 2020	Daniel Fitzgerald	Tire Change	Yes	Not complete yet	2022-10-28	2022-10-28	18037 W Little York Rd # B	Katy	Texas	77449
Jane West	(584) 263-8461	Red Nissan Rogue 2016	Daniel Fitzgerald	Airbag Replacement	Yes	Good to go	2022-10-14	2022-10-19	18037 W Little York Rd # B	Katy	Texas	77449
Jane West	(584) 263-8461	Red Nissan Rogue 2016	Benjamin Ford	Airbag Replacement	Yes		2022-11-16	2022-11-25	18037 W Little York Rd # B	Katy	Texas	77449

Incomplete Repairs

The Completed Repairs report generates a list of vehicles along with their repair history information but only those that have been marked as having that specific repair "incomplete."

Incomplete Repairs

Customer Name	Homephone	Vehicle Details	Employee Name	Service Description	Service Complete?	Mechanic Notes	Checkin Date	Checkout Date	Address	City	State	Zipcode
Tim Hanson	(845) 431-3549	White Toyota Camry 2020	Henry Jackson	Tire Change	No		2022-10-30		18037 W Little York Rd # B	Katy	Texas	77449
Jane West	(584) 263-8461	Red Nissan Rogue 2016	Daniel Fitzgerald	Airbag Replacement	No	Not yet complete	2022-10-14		18037 W Little York Rd # B	Katy	Texas	77449
Jane West	(584) 263-8461	Red Nissan Rogue 2016	Daniel Fitzgerald	Airbag Replacement	No	Not yet complete	2022-10-02		18037 W Little York Rd # B	Katy	Texas	77449

Repair Distribution

The Repair Distribution report generates a Bar Chart that represents the year-to-date repairs by each repair type. This includes both completed and non-completed repairs.

Repair Count by Repair Type

This Bar Chart represents the year-to-date repairs by each repair type. This includes both completed and non-completed repairs:
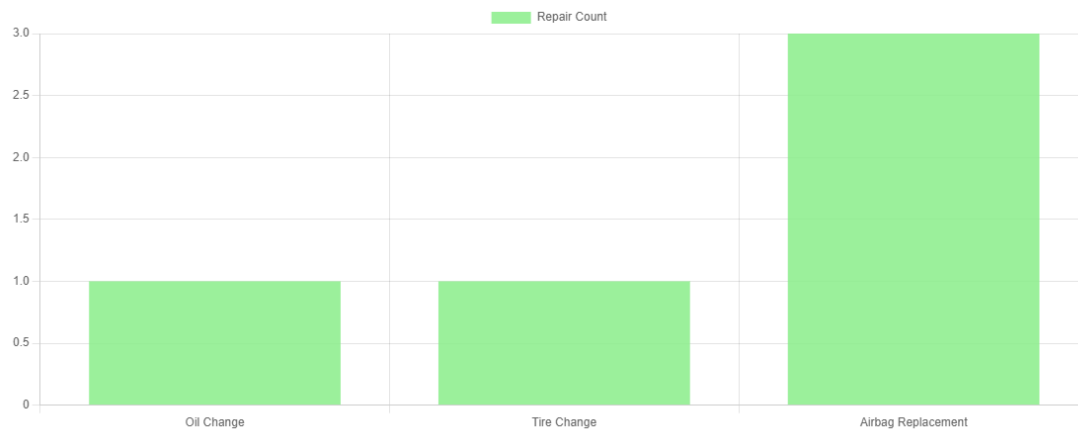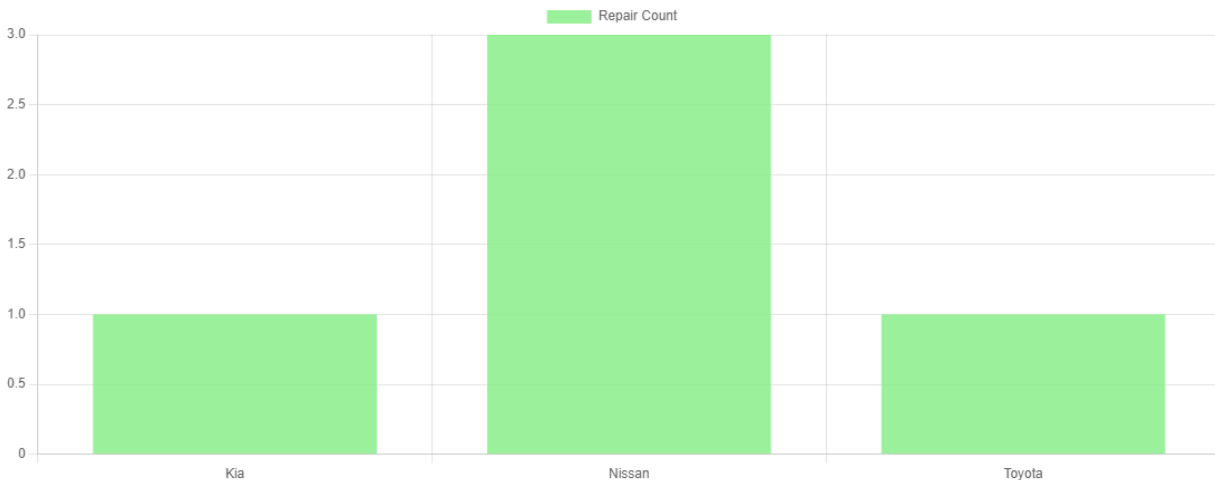

Vehicle Distribution

The Vehicle Distribution report generates a Bar Chart represents the year-to-date repairs by each auto manufacturer.

Repair Count by Auto Manufacturer

This Bar Chart represents the year-to-date repairs by each auto manufacturer:

Vehicles Checked-In

The Vehicles Checked-In report allows the user to input a data-range to only display vehicles that have been checked-in within that time frame, as well as pulling up relevant data about the vehicles and owners.

Vehicles Checked-In Between:

2022-10-13 and 2022-11-25

Customer Name	Home #	Cell #	Work #	License Plate	Make	Model	Check-In Date	Check-Out Date	Service Completed?	Service Description
Hanson, Tim	(845) 431-3549	(485) 236-5686		D4544D	Toyota	Camry	2022-10-28	2022-10-31	No	Tire Change
West, Jane	(584) 263-8461	(748) 596-1423	(123) 456-7894	V4G45Q	Nissan	Rogue	2022-10-14	0000-00-00	No	Airbag Replacement
West, Jane	(584) 263-8461	(748) 596-1423	(123) 456-7894	V4G45Q	Nissan	Rogue	2022-10-14	2022-10-19	Yes	Airbag Replacement

Vehicles Checked-Out

The Vehicles Checked-In report allows the user to input a data-range to only display vehicles that have been checked-in within that time frame, as well as pulling up relevant data about the vehicles and owners.

Vehicles Checked-Out Report

Between

mm/dd/yyyy	🗓

And

mm/dd/yyyy	🗓

Create Report

Vehicles Checked-Out Between:

2022-10-01 and 2022-10-30

Customer Name	Home #	Cell #	Work #	License Plate	Make	Model	Check-In Date	Check-Out Date	Service Completed?	Service Description
Doe, John	(123) 456-7890	(321) 654-9870		GH12A7	Kia	Optima	2022-10-11	2022-10-11	Yes	Oil Change
West, Jane	(584) 263-8461	(748) 596-1423	(123) 456-7894	V4G45Q	Nissan	Rogue	2022-10-14	2022-10-19	Yes	Airbag Replacement