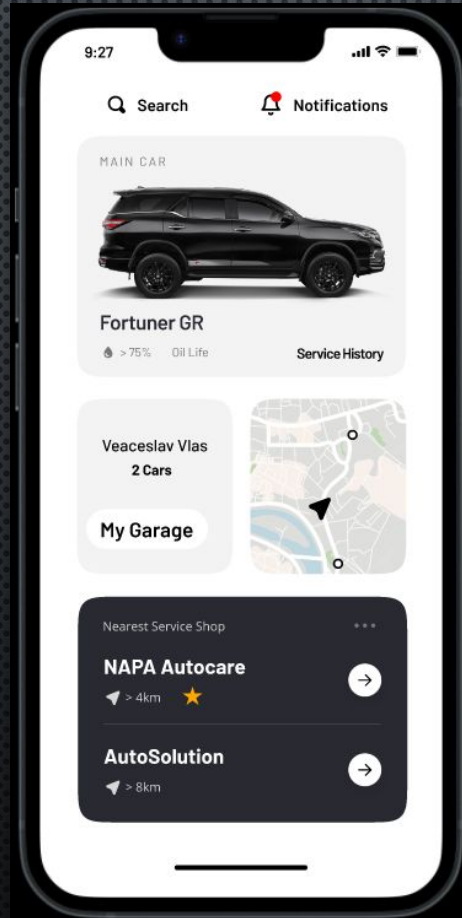
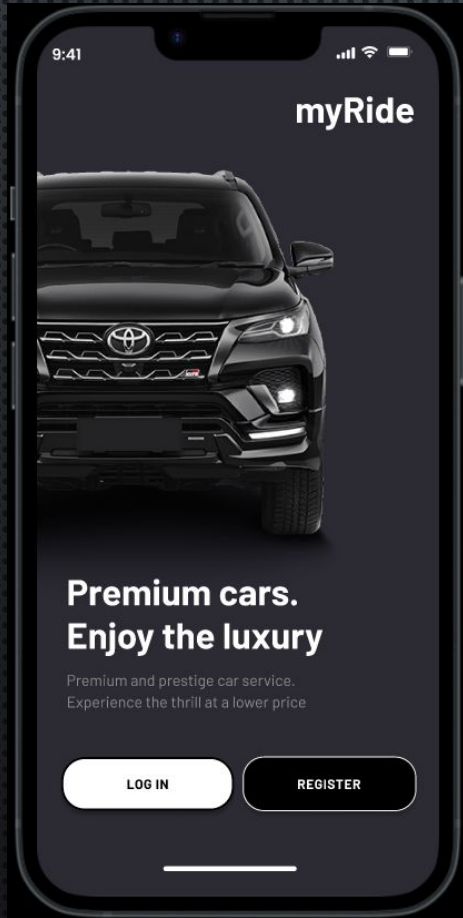


myRide

MOBILE APP DEV
FINAL PROJECT PROPOSAL

ANTHONY MASTRONARDI | DÉ ANDRE POWELL MCKAIN | VEACESLAV VLAS

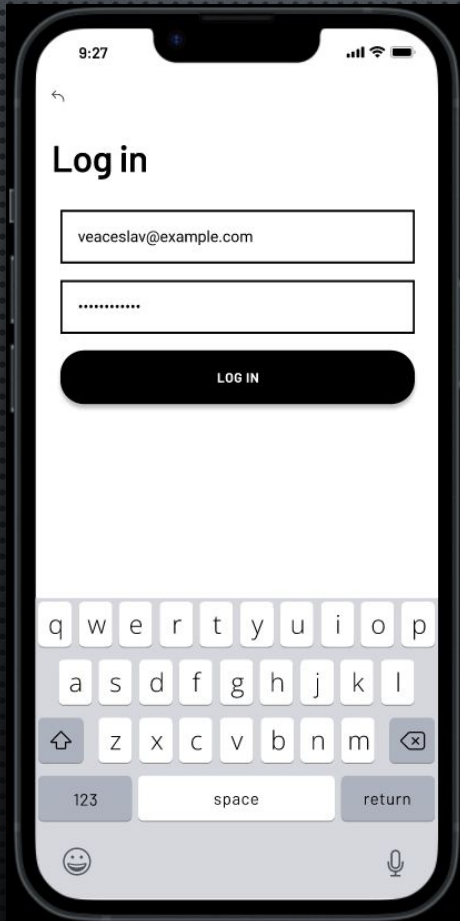
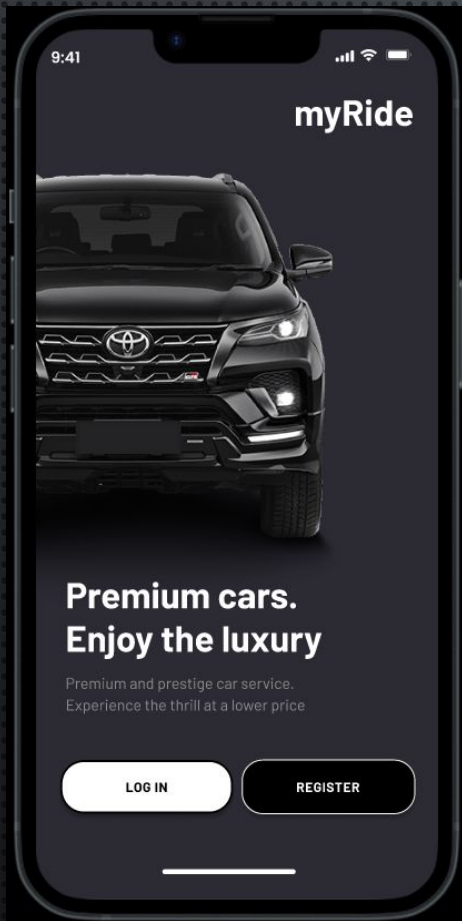


myRide

Maintenance Tracker

The idea behind this project is to facilitate users to take care of their cars by integrating features like:

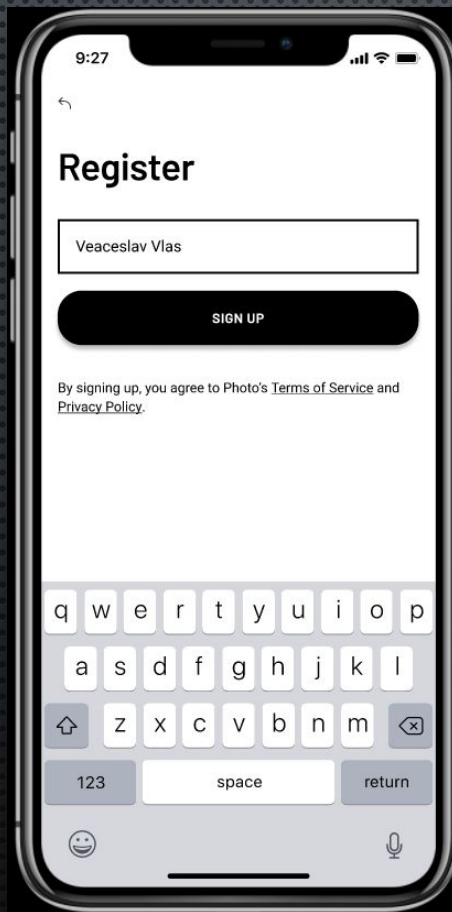
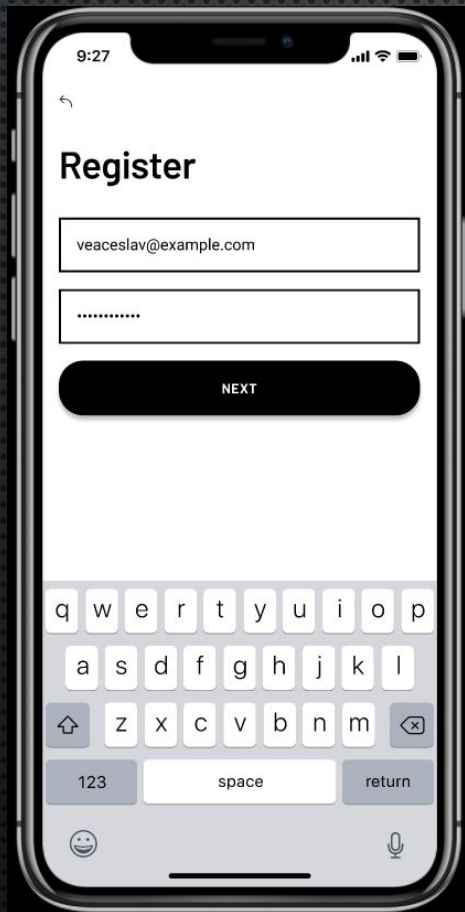
- Adding Cars
- Service history
- ToDo service lists
- Nearest shop finder
- Favorite shops
- Service reminders



MAIN PAGE

USER LOGIN

First Page Users get
greeted by will be a
Welcome Page with the
option to Login or Register

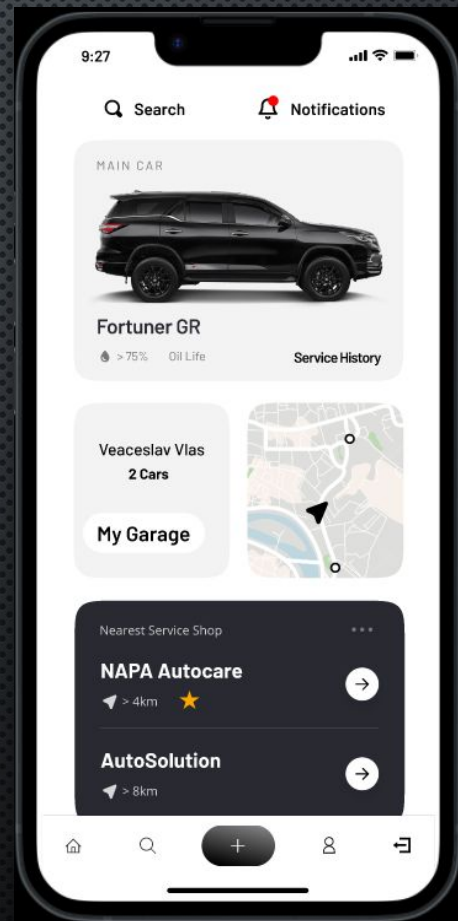
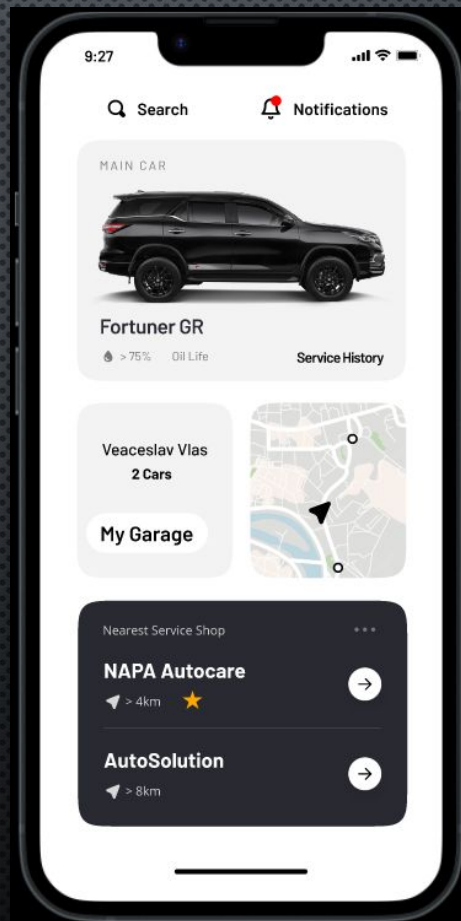


REGISTER

Register page in which they will have to input their information to have access to the App.

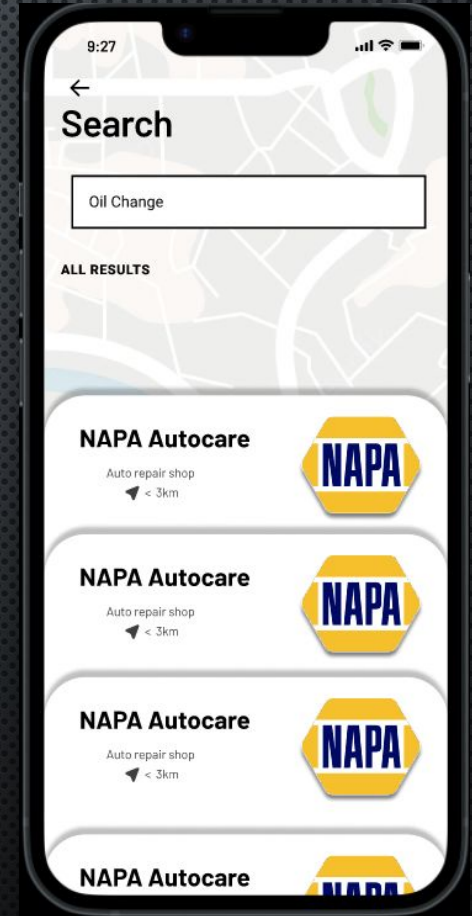
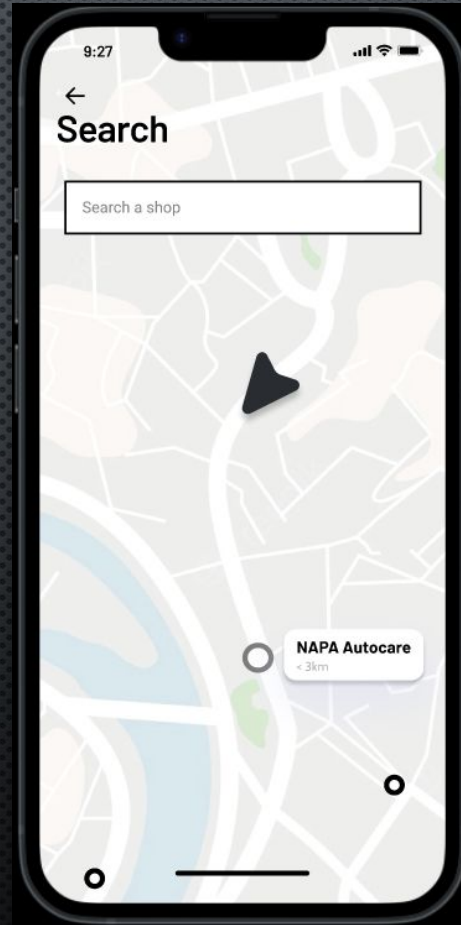
HOME

Home screen, the place that ties everything together: Current Car; My Profile; Mini Map; Nearest Repair Shop along with a bottom menu.



SEARCH

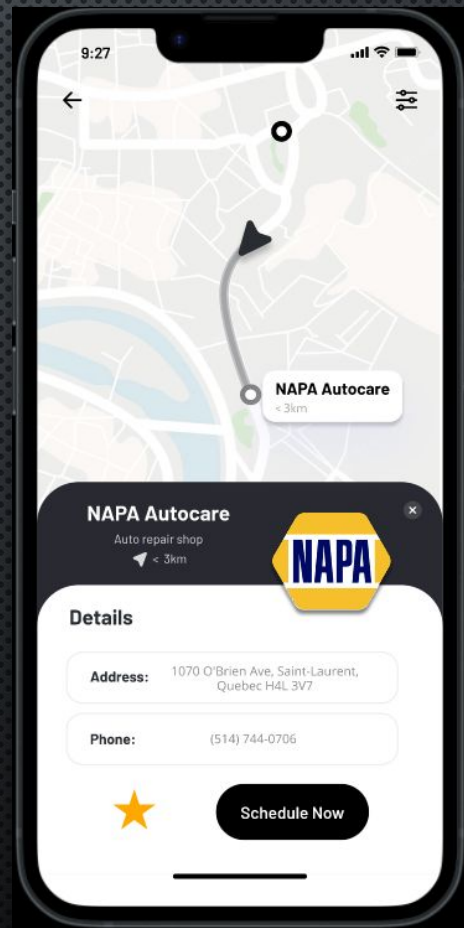
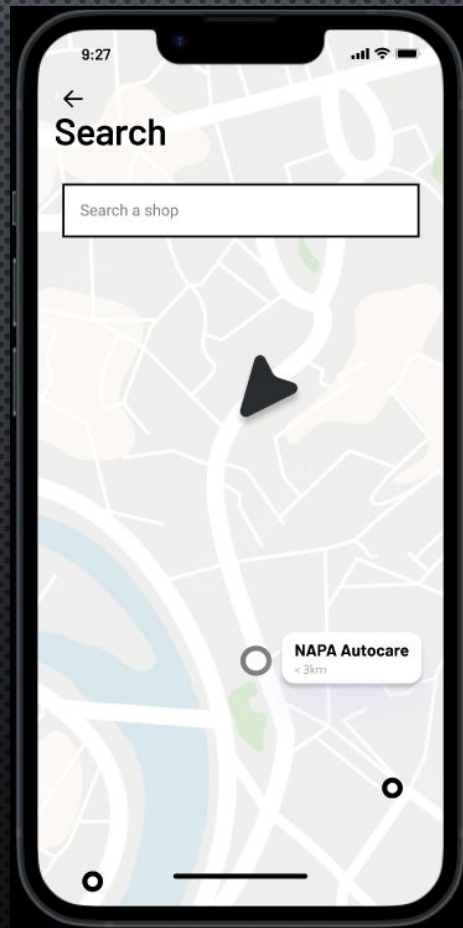
Search feature will allow the user to quickly find a repair shop around his current location.



DETAILS

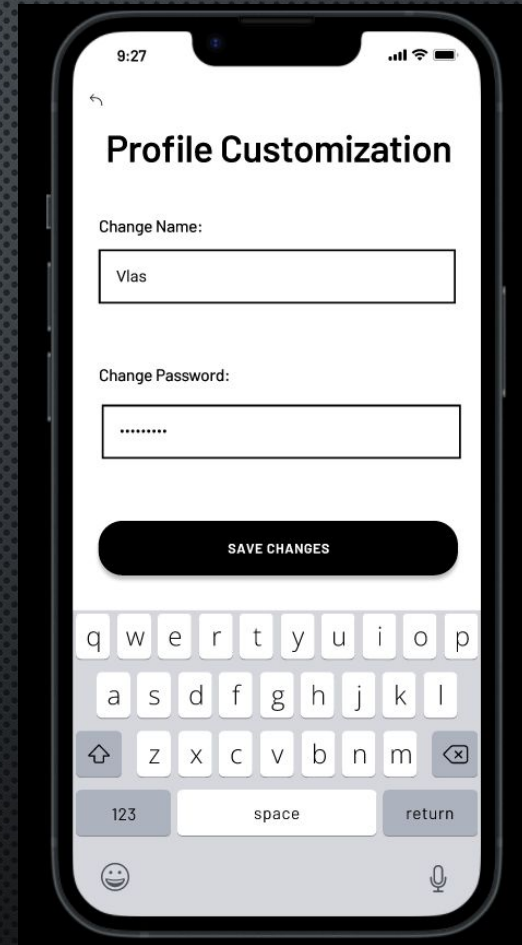
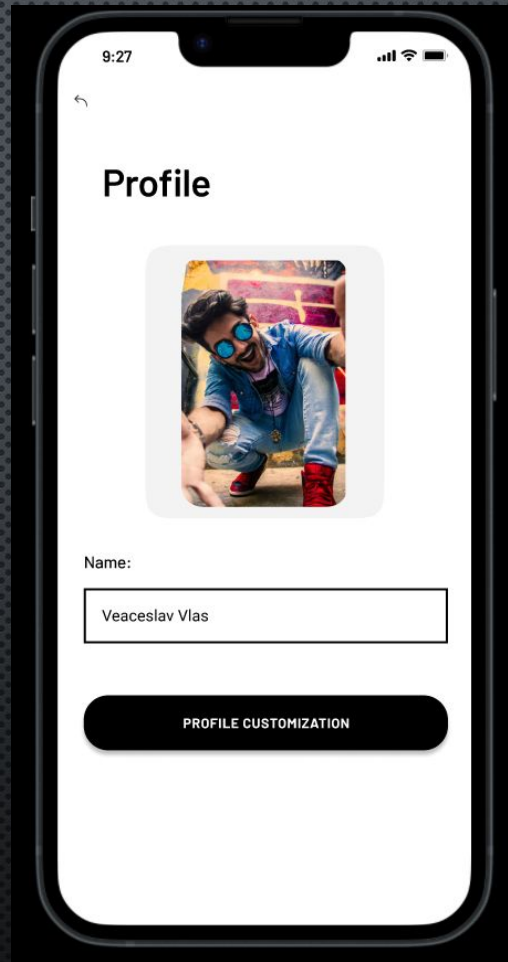
Once a service shop is clicked, on the map, from search or from the home page nearest shops tab, the user will be able to:

- See the repair shop details
- Save the shop to favorites
- Click on Schedule which will start a call with the repair shop.



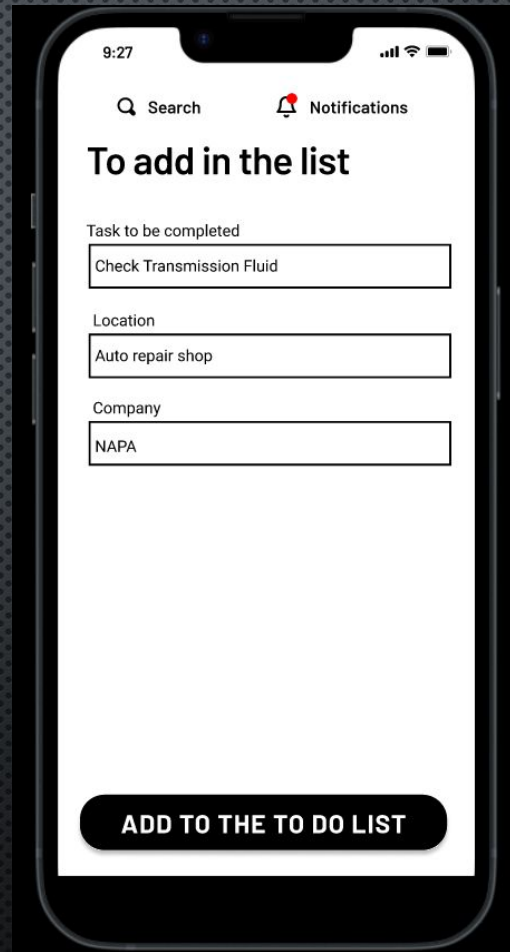
CUSTOMIZE PROFILE

- Here, the user can view and customize their profile page. They have the option to change their username, their password and their profile picture



TO DO LIST

- This page contains a list of tasks the vehicle owner wants to get done.



9:27

Search Notifications

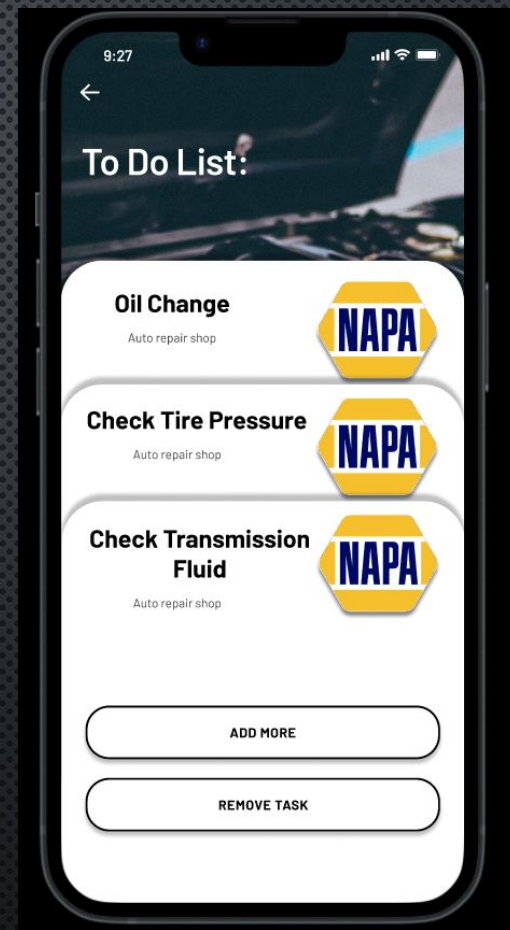
To add in the list

Task to be completed

Location

Company

ADD TO THE TO DO LIST



9:27

<

To Do List:

Oil Change
Auto repair shop

NAPA

Check Tire Pressure
Auto repair shop

NAPA

Check Transmission Fluid
Auto repair shop

NAPA

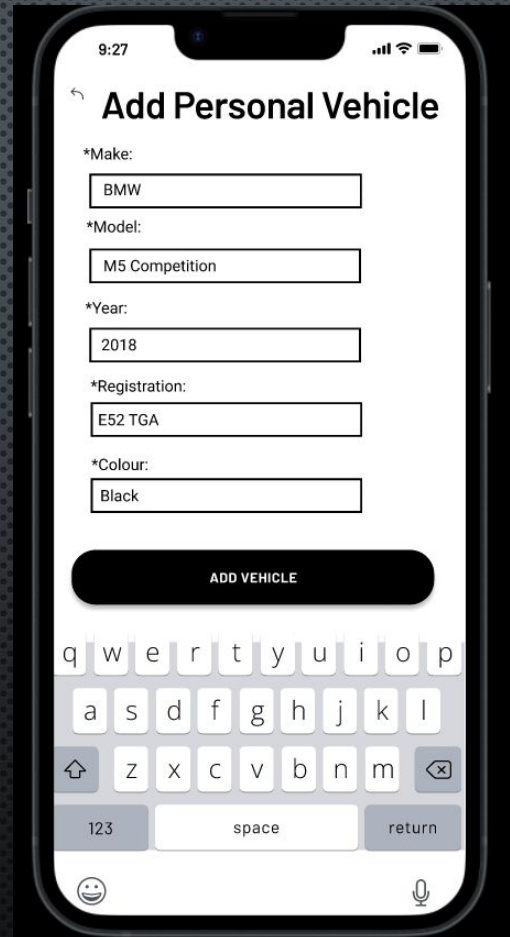
ADD MORE

REMOVE TASK

MY GARAGE

My Garage view will be the place where the user can see all his added cars.

The user will also be able to add a car from my garage or home page view.



9:27

Add Personal Vehicle

*Make:
BMW

*Model:
M5 Competition

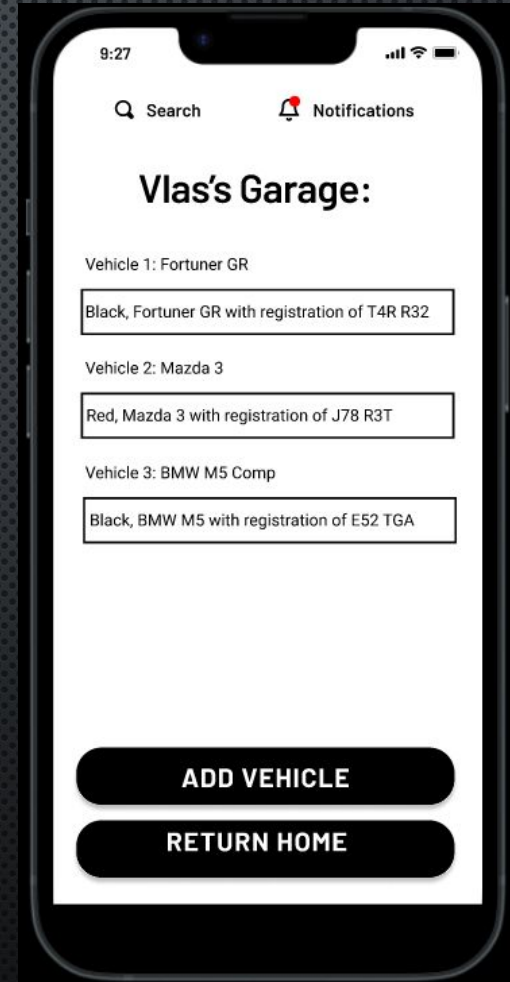
*Year:
2018

*Registration:
E52 TGA

*Colour:
Black

ADD VEHICLE

q w e r t y u i o p
a s d f g h j k l
z x c v b n m
123 space return



9:27

Search Notifications

Vlas's Garage:

Vehicle 1: Fortuner GR
Black, Fortuner GR with registration of T4R R32

Vehicle 2: Mazda 3
Red, Mazda 3 with registration of J78 R3T

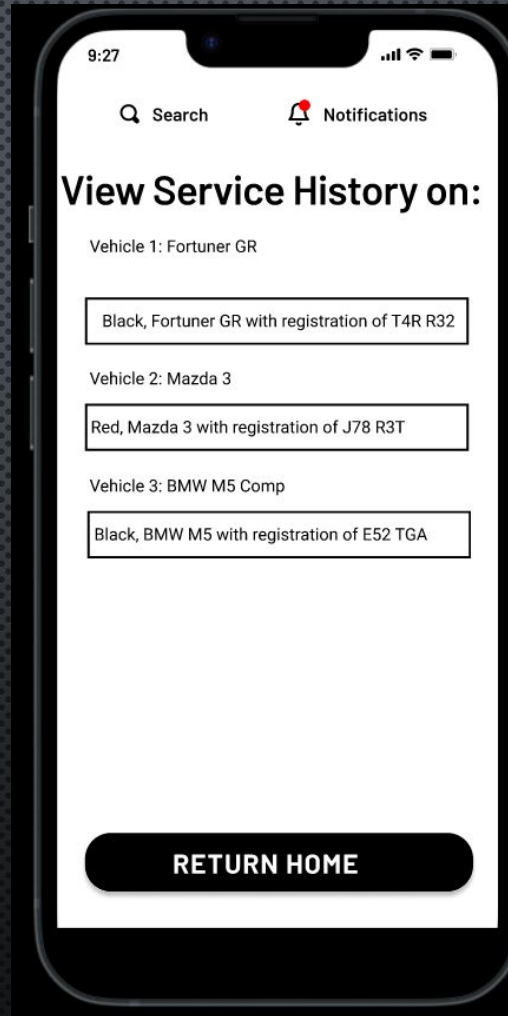
Vehicle 3: BMW M5 Comp
Black, BMW M5 with registration of E52 TGA

ADD VEHICLE

RETURN HOME

SERVICE HISTORY

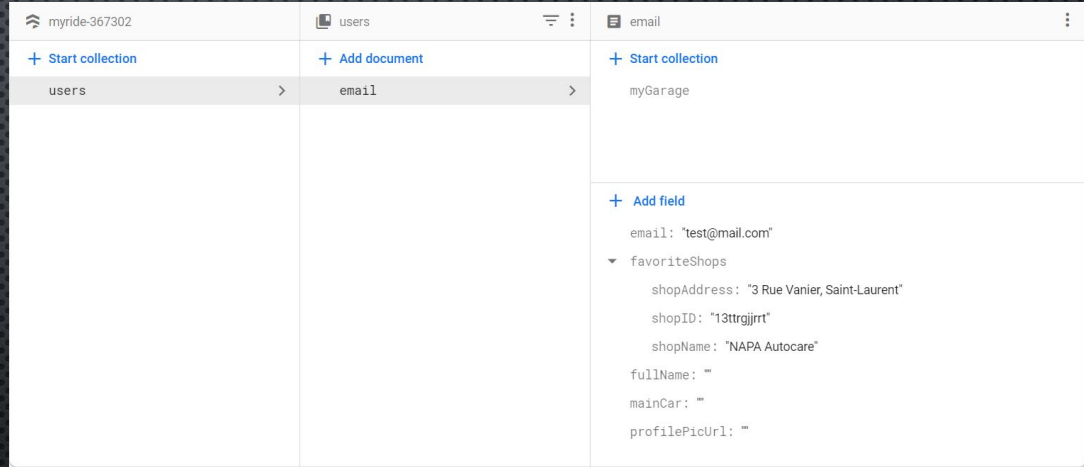
- This is the feature to view the history services done on your garage. When choosing a vehicle, the maintenance done is shown on the car



DATABASE

We choose to go with **Firestore** for our data and file storage.

We choose to do so because we can have **real-time change listeners**, it is a **cloud database** and it has a very easy architecture to **add more things on the go**.



DATABASE

Each User Will have a collection named **myGarage** where the user will be able to store his cars.

Next, each car will have a subcollection **serviceHistory** that will store the **TODO** services or services **DONE**.

The screenshot displays the Google Cloud Firestore console interface. The top panel shows the 'email' collection with a 'myGarage' subcollection, which contains a 'nickname' subcollection. The bottom panel shows the 'nickname' collection with a 'serviceHistory' subcollection, which contains a document '1'. The 'serviceHistory' document is highlighted with a yellow box.

Top Panel: email > myGarage > nickname

- email**: + Start collection, myGarage (highlighted), + Add field (email: "test@mail.com", favoriteShops: {shopAddress: "3 Rue Vanier, Saint-Laurent", shopID: "13trgjrrt", shopName: "NAPA Autocare", fullName: "", mainCar: "", profilePicUrl: ""}).
- myGarage**: + Add document, nickname (highlighted).
- nickname**: + Start collection, serviceHistory, + Add field (make: "", model: "", nickname: "", trim: "", year: 2022).

Bottom Panel: ... > myGarage > nickname > serviceHistory > 1

- nickname**: + Start collection, serviceHistory (highlighted).
- serviceHistory**: + Add document, 1 (highlighted).
- 1**: + Start collection, + Add field (odometer: 12500, serviceDetails: "Oil Change", serviceStatus: "ToDo", shopAddress: "", shopID: "", shopName: "").

Github Link

https://github.com/vlasslavic/AppDev_myRide

Figma Link

<https://www.figma.com/proto/9AFri094oc6FszBxwnizdi/myRide>