



CAR FLEET SOFTWARE

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Web Programming

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Contents

Requirements	1
Admin Side	1
User Side	2
Use Case	3
Mockup	5
Admin	5
User	10
Github Links	15

Requirements

Admin Side

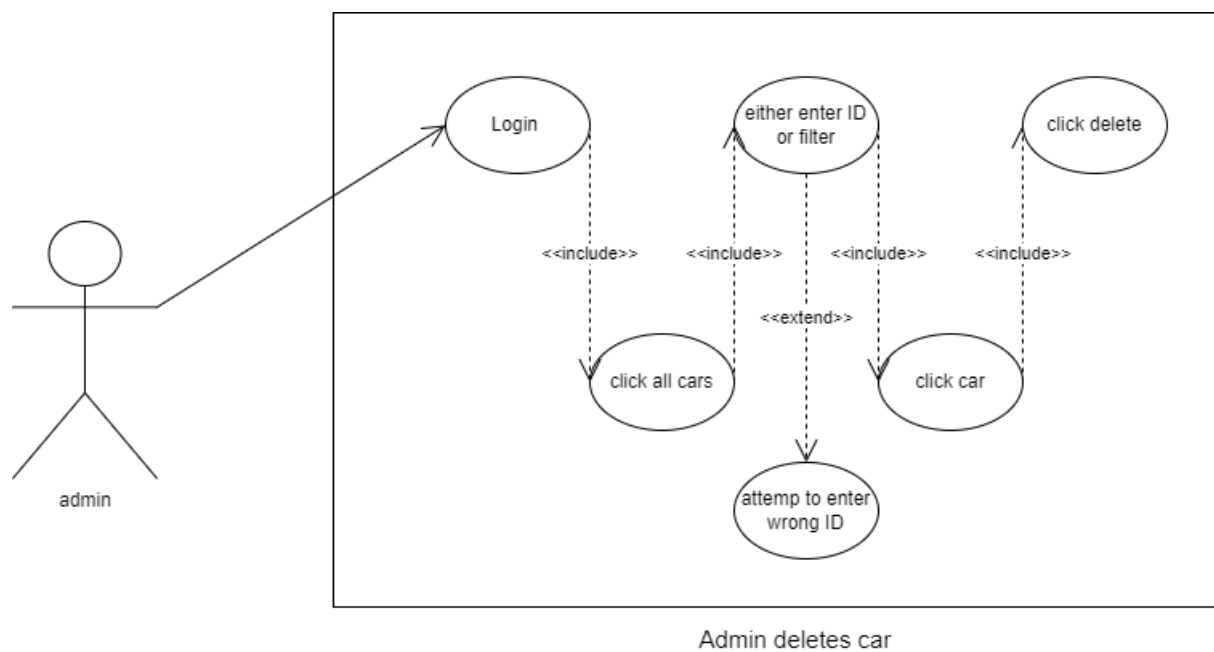
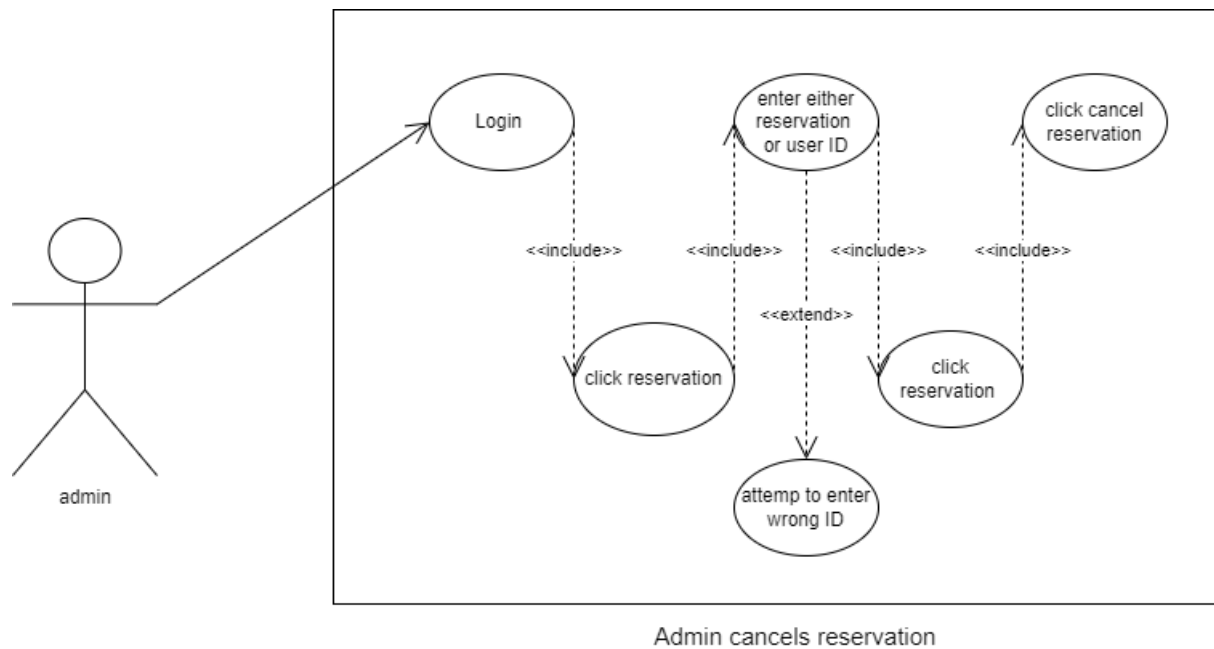
1. Grant access to login administrator site.
 - Admin can log in to the system with email and password
 - If the admin forgot his/her password, the system allows the admin to save his/her account.
 - If authentication fails, the system shows error messages.
2. Admin can see all cars.
 - Filters cars brands.
 - Filters cars status.
 - Filters cars charge range.
3. Admin can manage reservations.
4. Admin can observe general statistics about the whole fleet(electricity cost, revenue, etc.)
5. Show cars status(busy or not).
 - Show car's route if the car is in use.
 - Admin can see who rented car if the car is in use.
6. Admin can see a map of:
 - Cars location.
 - Battery station for cars.

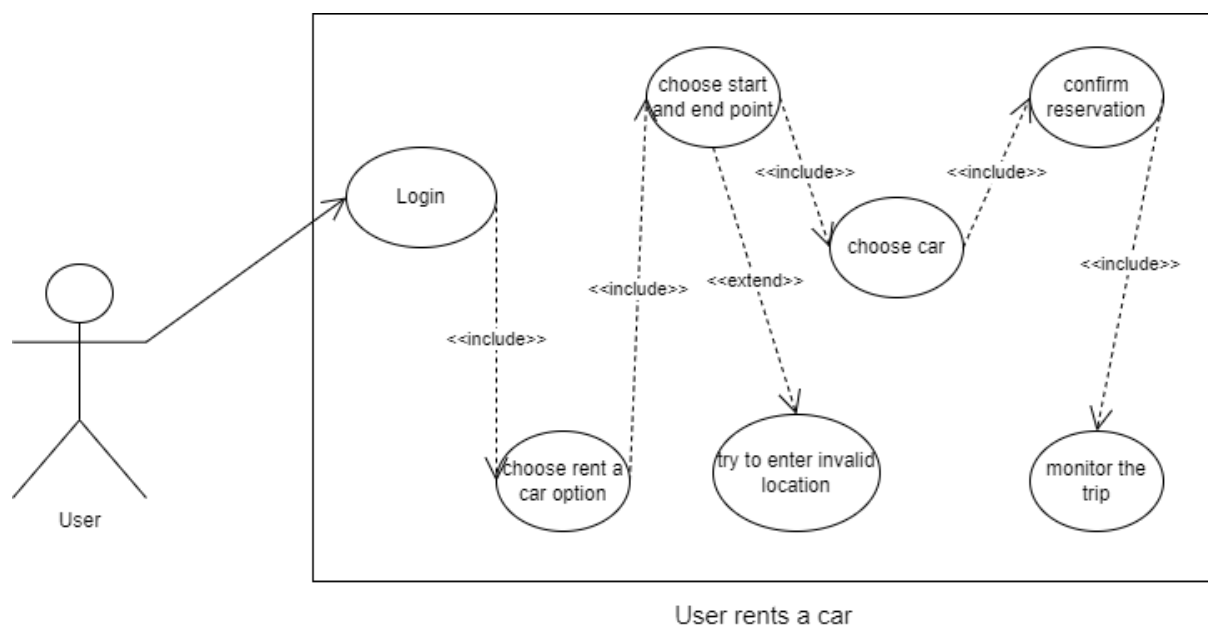
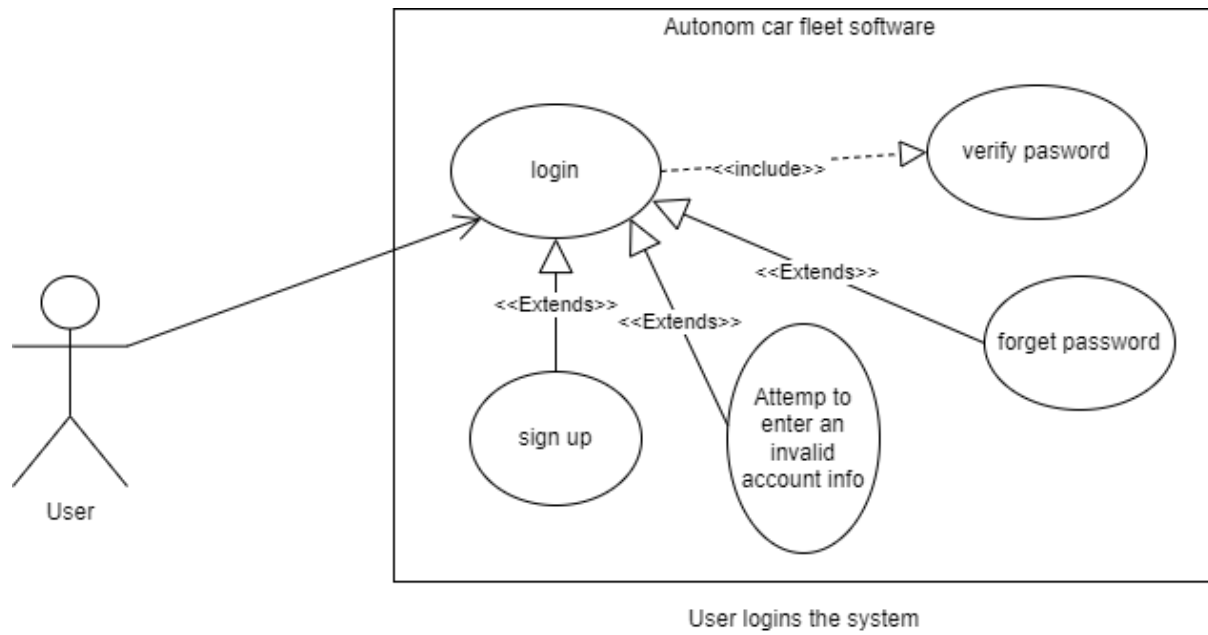
7. Admin can see the car's battery level.
8. Admin can see real-time video of the autonomous car.
9. Admin can add and delete cars

User Side

1. Grant access to login user site.
 - User can log in to the system with email and password.
 - If the user forgot his/her password, the system allows the user to save his/her account.
 - If authentication fails, the system shows error messages.
2. Users can signup for the system.
3. User can rent a car.
4. User can enter payment information.
5. User can change his/hers settings(like password, image, etc.).
6. User can enter start and final destination.
 - Users can select among alternative routes and costs.
 - Users can select among alternative cars.
7. Users can observe the complete route, from the start to endpoint of the car.

Use Case





Mockup

Admin

CAR FLEET SOFTWARE

Email

Password

[Forgot Password?](#)

58 x 48

All carsReservationsMapStatistics

Filter Cars

Brands

BMW☐

Toyota☐

Audi☐

Tesla☐

Mercedes☐

Status

Available

Busy

Charge Range

MinMax

Add a new car

Car Name

Car ID

Upload Image

Add

Enter ID of the car

Search

Cars Founded: 6

168 x 132

BMWUser Name%30

168 x 132

Toyota%70

168 x 132

Tesla%70

168 x 132

BMW%20

168 x 132

BMWUser Name%70

168 x 132

AudiUser Name%70

58 x 48

All carsReservationsMapStatistics

Filter Cars

Brands

BMW☐

Toyota☐

Audi☐

Tesla☐

Mercedes☐

Status

Available

Busy

Charge Range

MinMax

Add a new car

Car Name

Car ID

Upload Image

Add

Enter ID of the car

Search

Cars Founded: 6

168 x 132

BMWUser Name%30

168 x 132

Toyota%70

168 x 132

Tesla%70

168 x 132

BMW%20

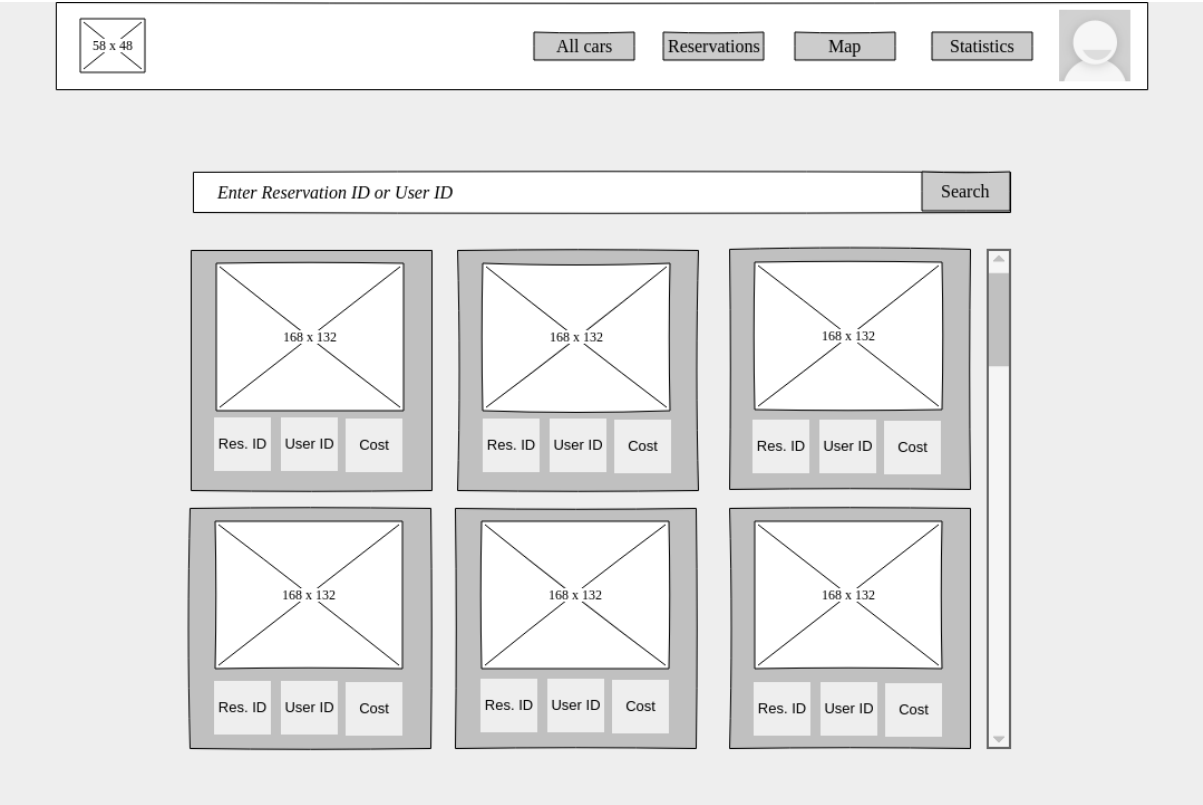
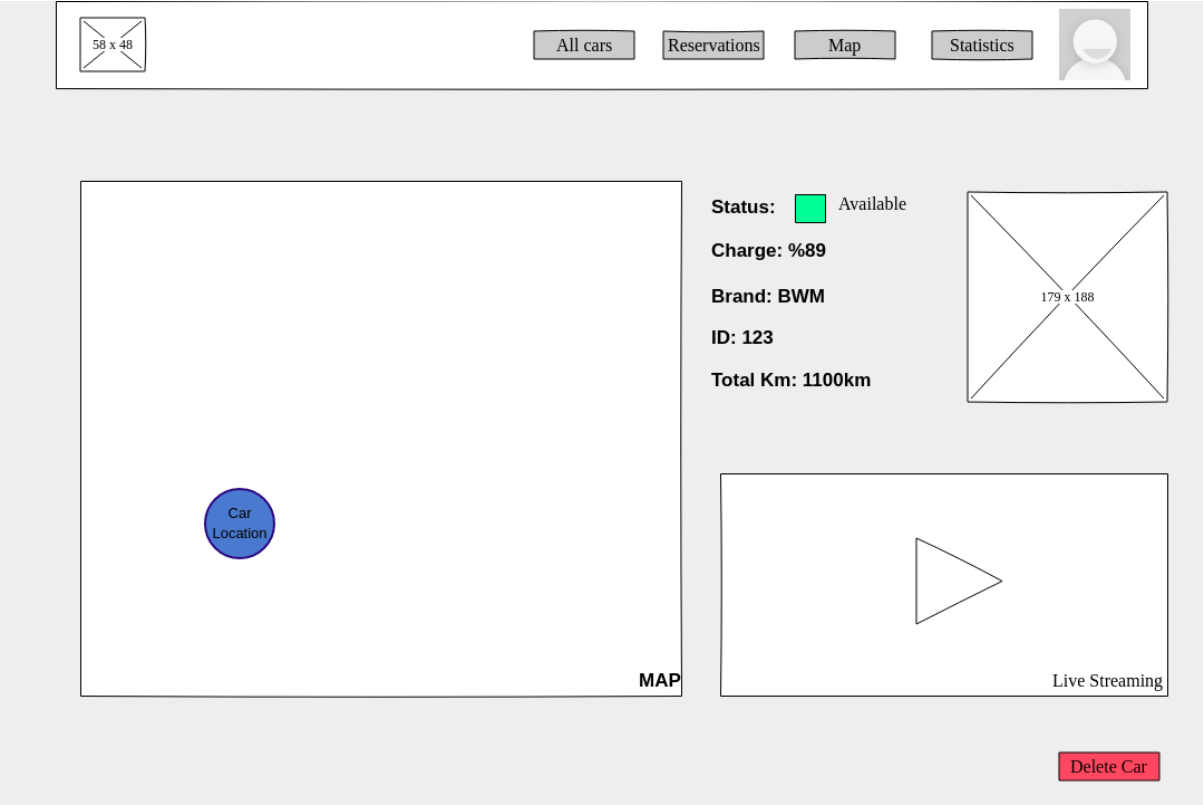
168 x 132

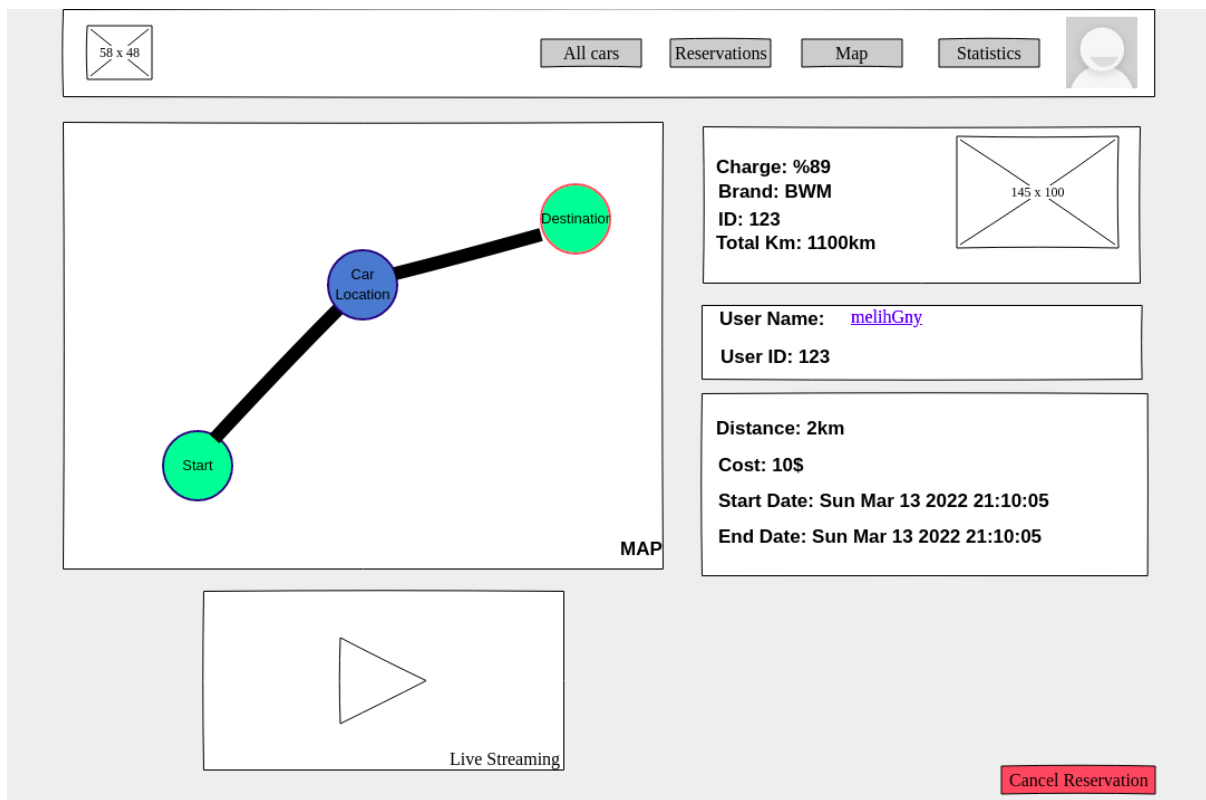
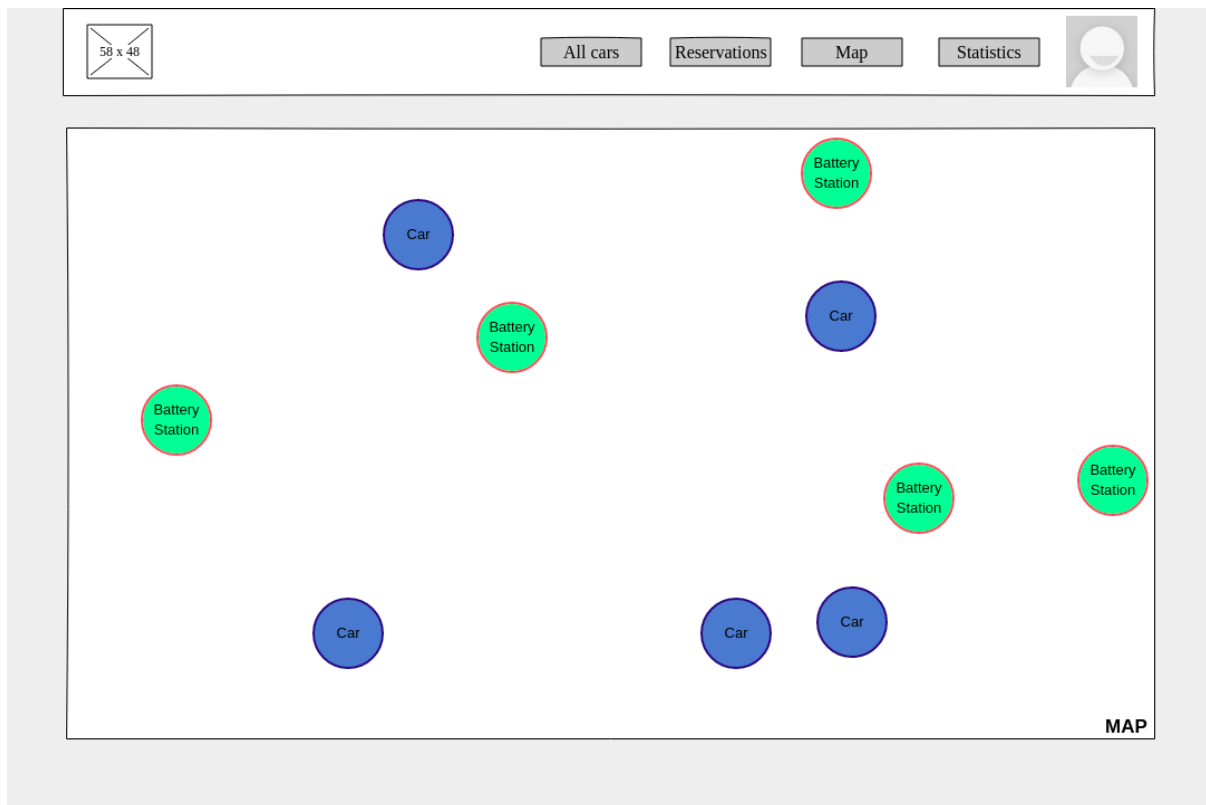
BMWUser Name%70

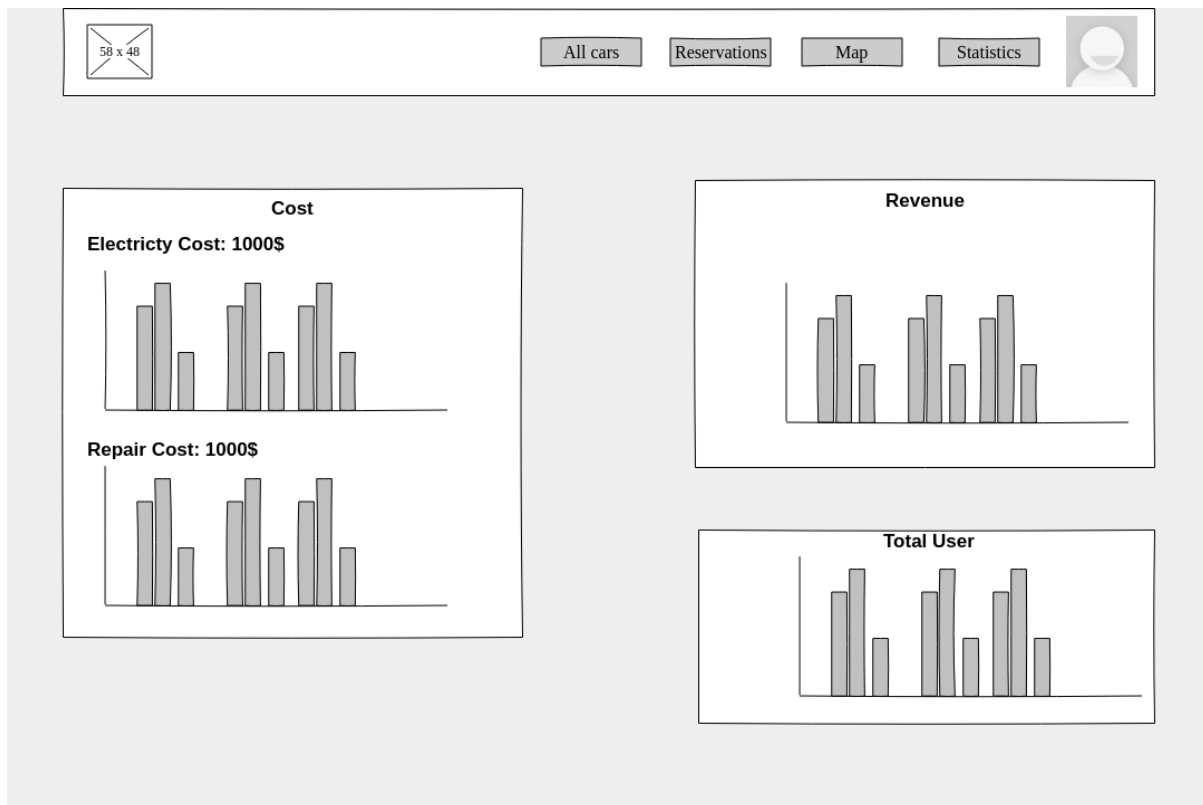
168 x 132

AudiUser Name%70

6







The dashboard layout is identical to the previous one, but with a "Change Password" dialog box open. The dialog has a close button (X) in the top right corner and contains the following fields and buttons:

- Old password:
- New Password:
- Confirm Password:
- Save button

A dropdown menu is also visible next to the user profile icon, containing "Change Password" and "Logout" options.

User

CAR FLEET SOFTWARE

If You are new

Email

Name

Surname

Phone Number

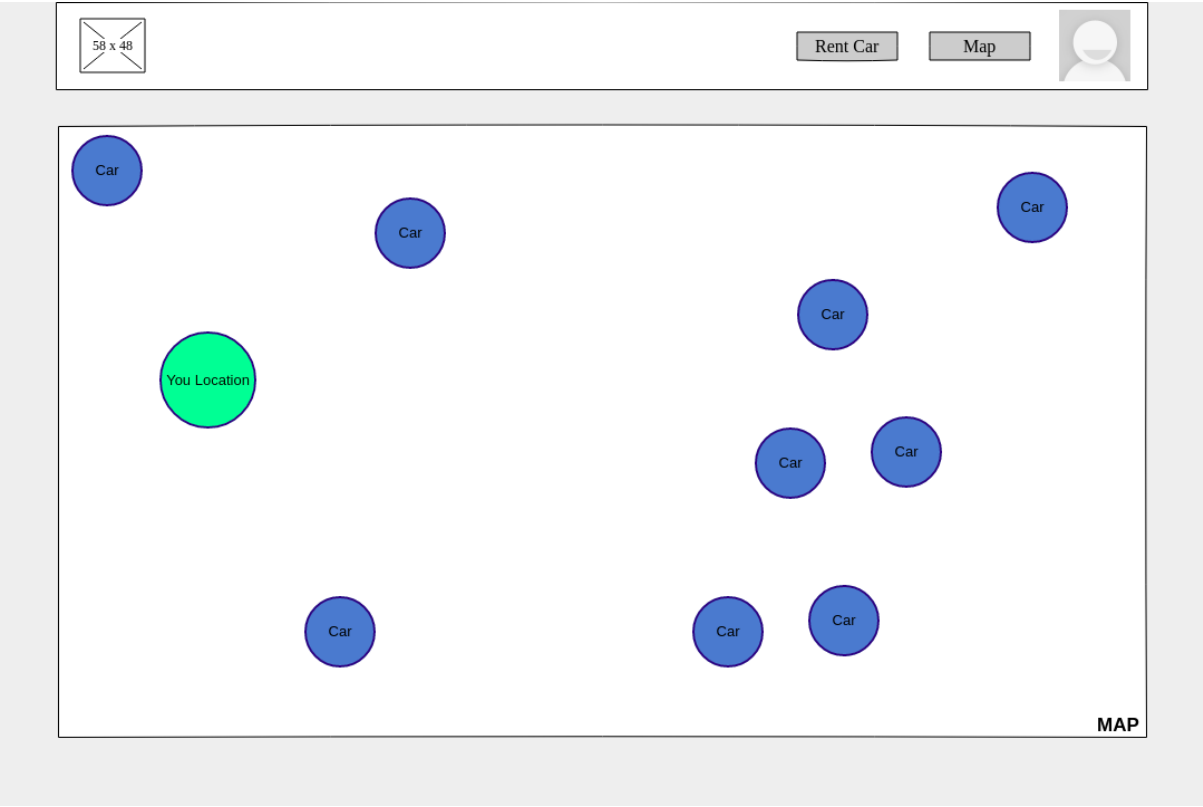
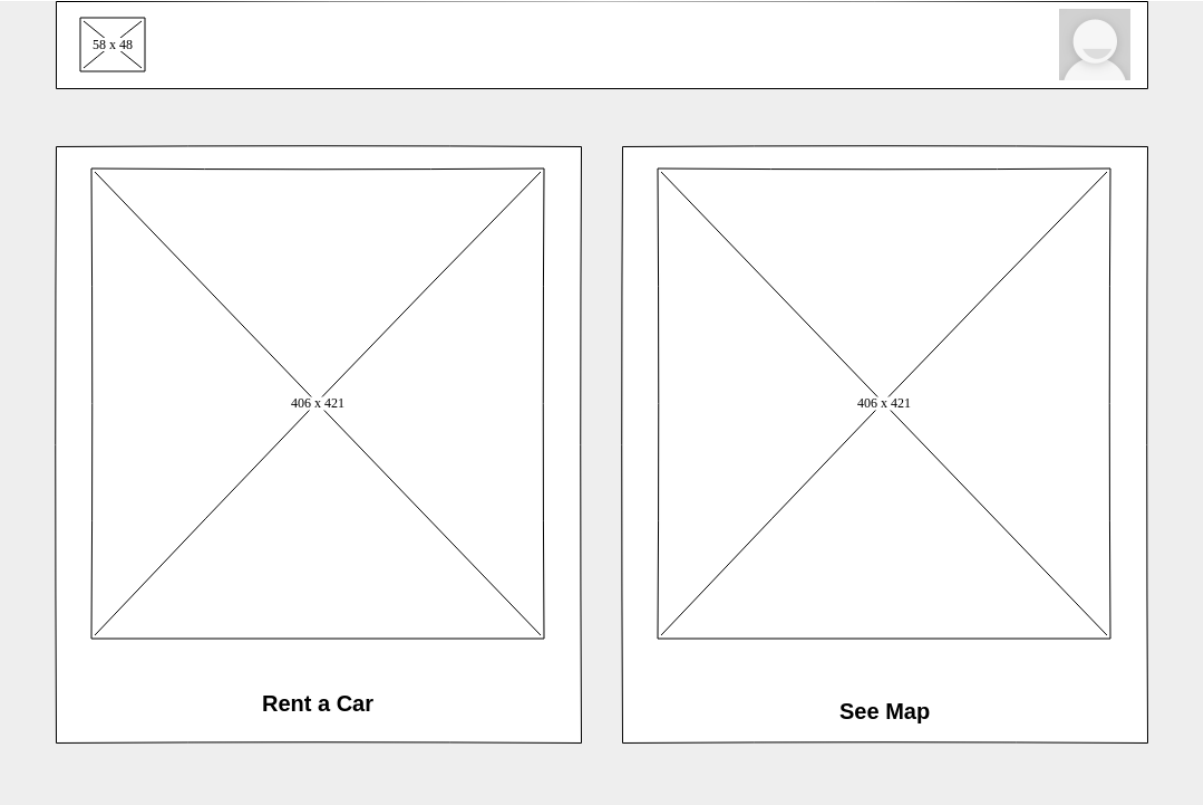
Password

Password

Email

Password

[Fogot Password?](#)



58 x 48

Rent Car

Map

Start

Destination

MAP

Distance: 2km

Reservation Date: Sun Mar 13 2022 21:10:05

Start Address: Konyaalti

End Address: Lara

Next >>

58 x 48

Rent Car

Map

Filter Cars

Brands

BMW

Toyota

Audi

Tesla

Mercedes

Enter brand of car

Search

Cars Founded: 6

Tesla

BMW

Tesla

Tesla

Tesla

Audi

Next >>

58 x 48

Rent Car

Map

Car Location

Start

Destination

MAP

Distance: 5km
Estimated Travel Time: 40 minute

Reservation Date:

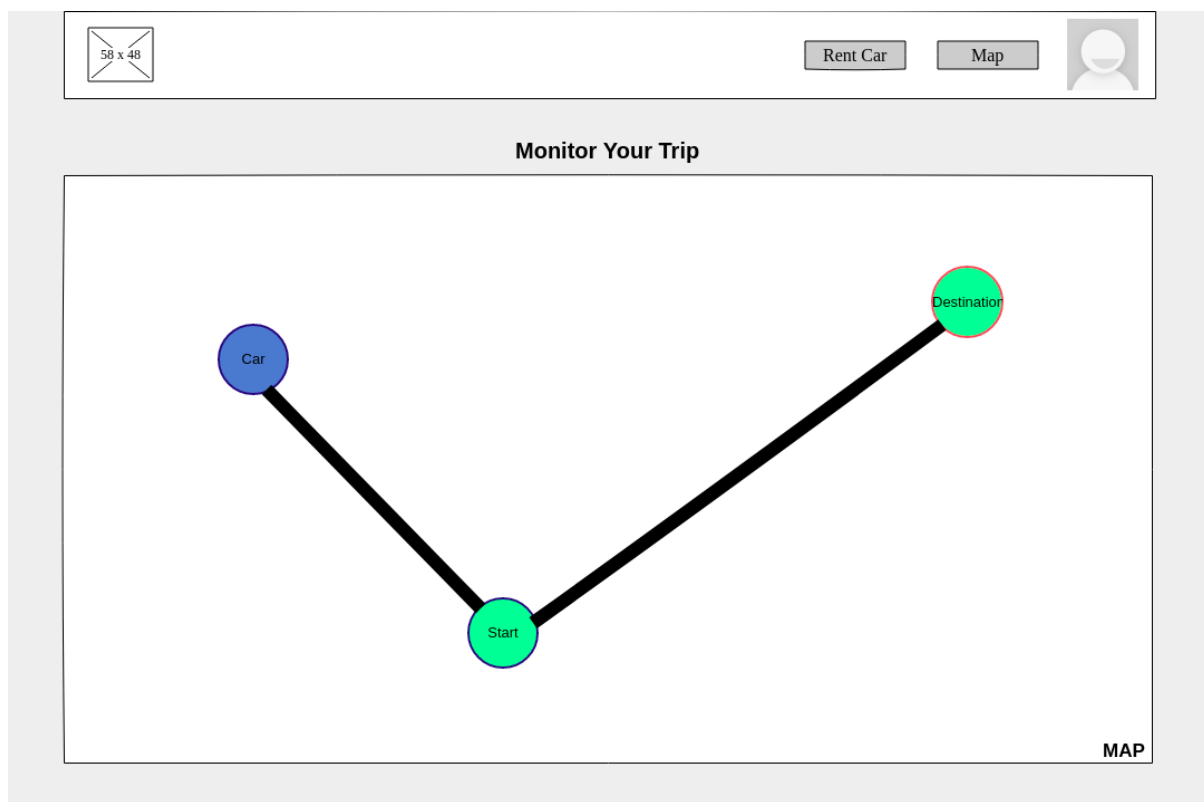
Start Address:

End Address:

Bill

Cost per km: 4\$
Total Distance: 5km
Total Cost: 20\$
Car Brand: Tesla

Confirm



58 x 48

Rent Car

Map

198 x 148

Upload new profile

Profile Picture

Account Informations

Email

Old Password

New Password

New Password

Save Changes

Payment Informations

Card Number

Name Surname

Date

CVC

Save Changes

Settings

Logout

Github Links

- Ahmet Can DERİCİOĞLU: [AmtCan/web-project](#)
- Emre GÜLBAY: [EmreGULBAY/webProject](#)
- Mustafa ARINMIŞ: [arinmis/autonomous-car-fleet-software](#)