



CAR FLEET SOFTWARE

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Web Programming

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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

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Email

Password

[Forgot Password?](#)

58 x 48

All carsUsersMapStatistics

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 carsUsersMapStatistics

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

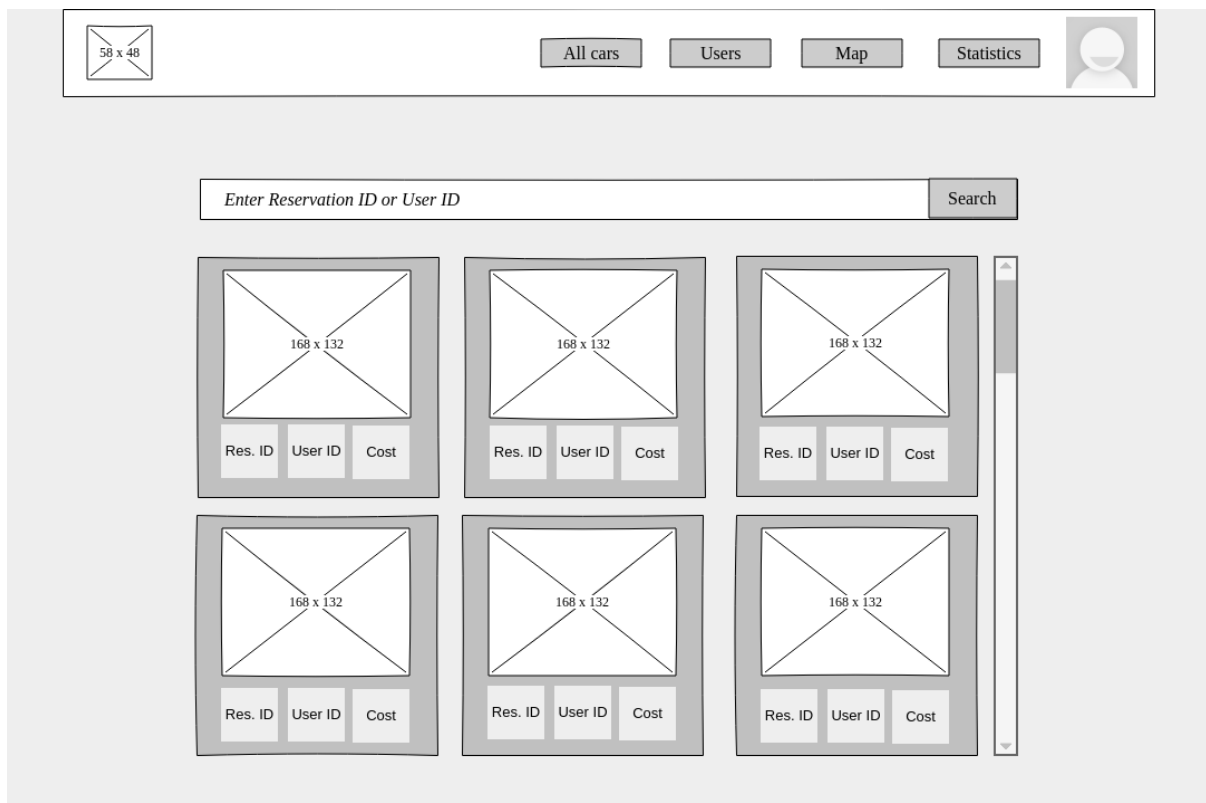
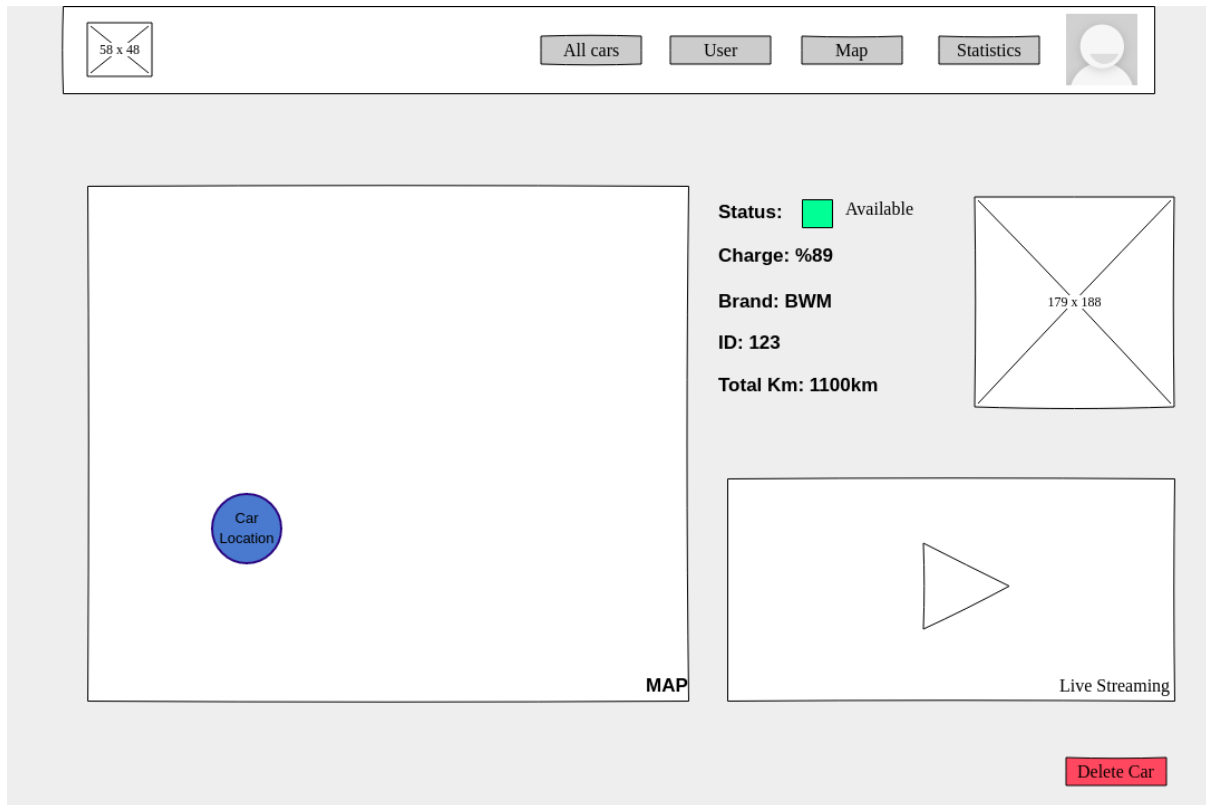
168 x 132

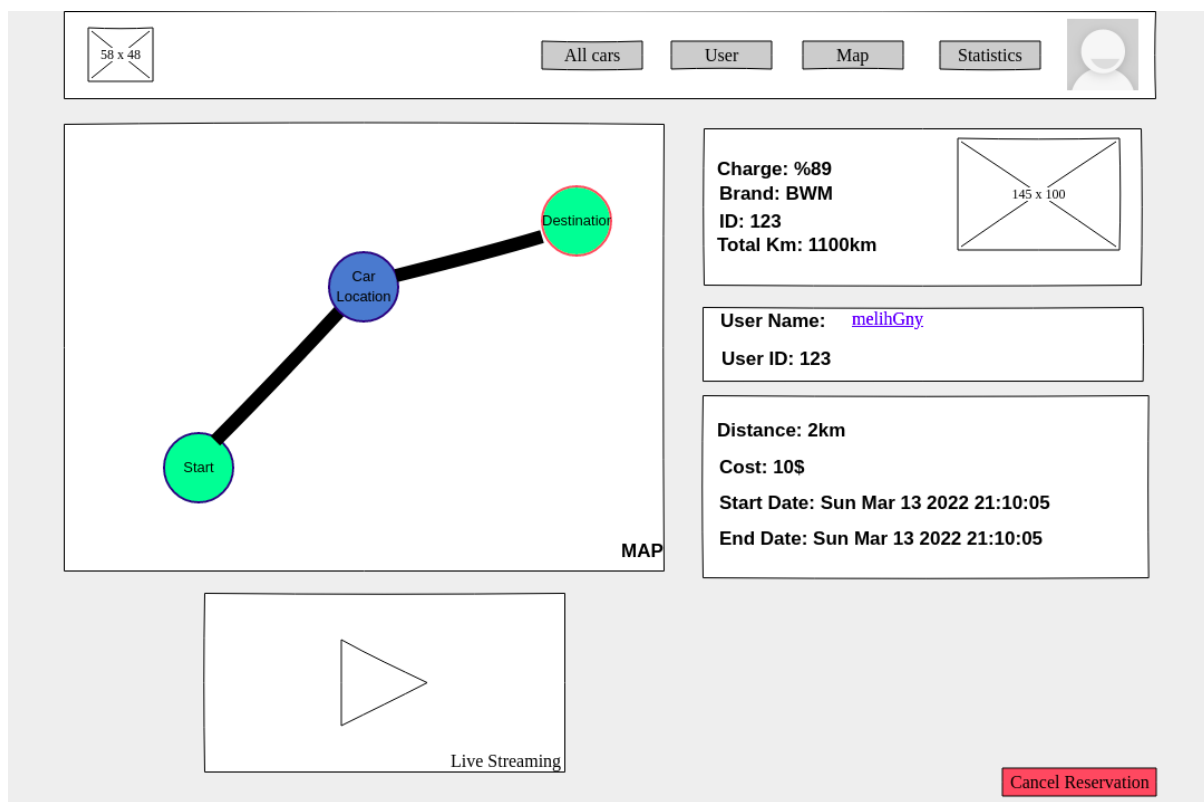
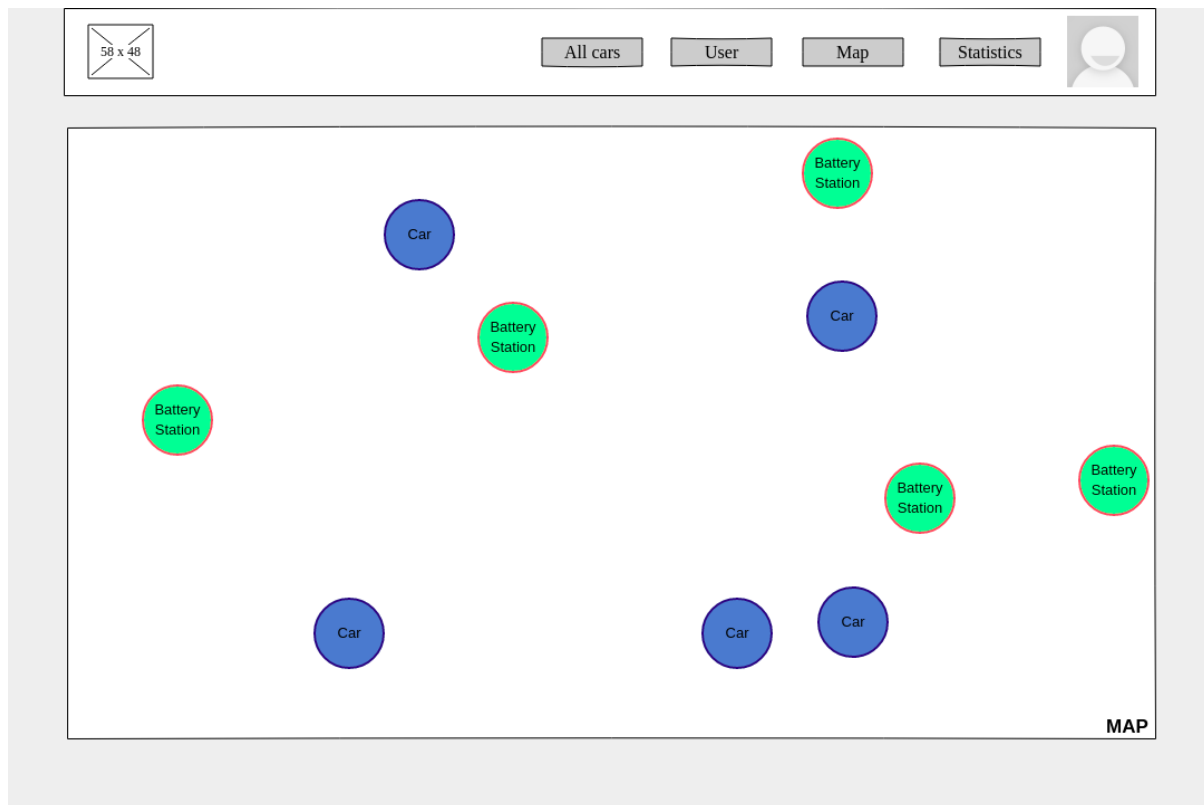
BMWUser Name%70

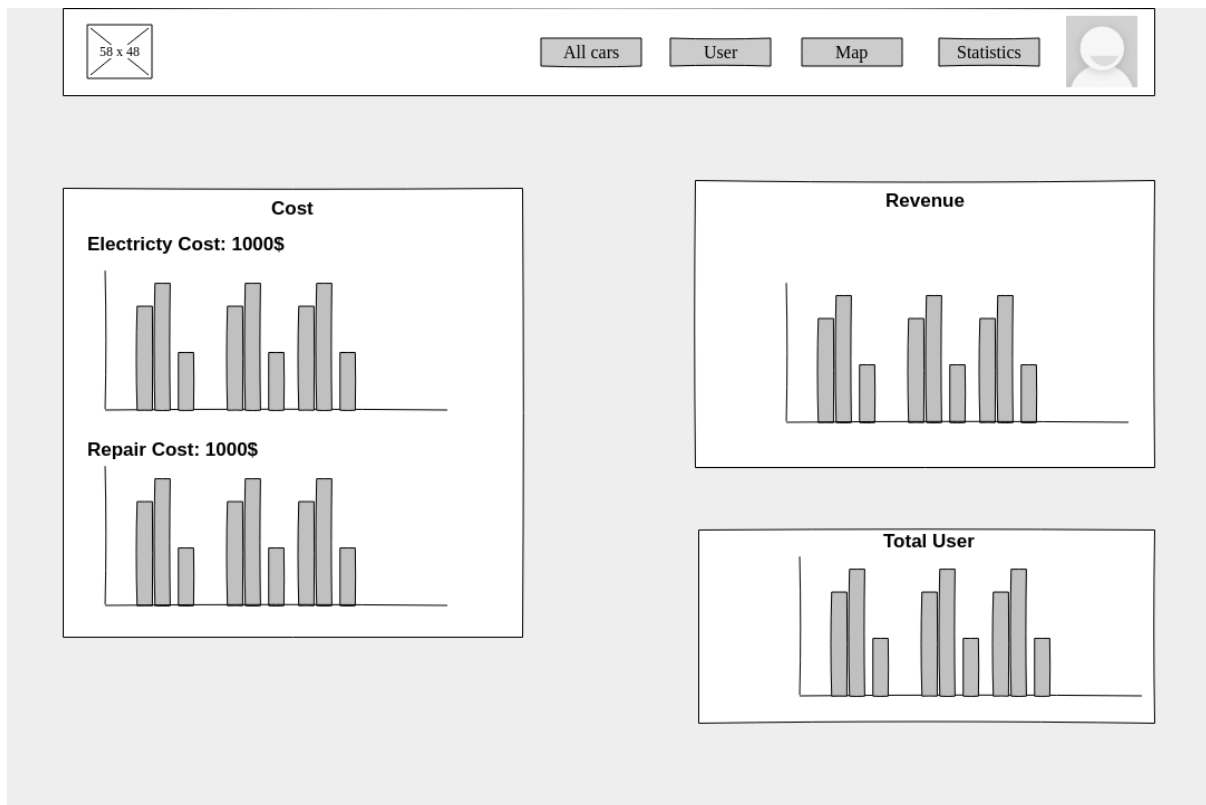
168 x 132

AudiUser Name%70

5







The dashboard features a top navigation bar with a placeholder for a 58 x 48 image, four buttons labeled 'All cars', 'User', 'Map', and 'Statistics', and a user profile icon. A dropdown menu is open from the user profile icon, showing two options: 'Change Password' and 'Logout'. A modal dialog box is open in the center of the screen, titled 'Change Password', with a close button in the top right corner. The dialog contains three input fields: 'Old password' (containing 'admin@example.com'), 'New Password' (containing '*****'), and 'Confirm Password' (containing '*****'). A 'Save' button is located at the bottom of the dialog.

User

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If You are new

Email

Name

Surname

Phone Number

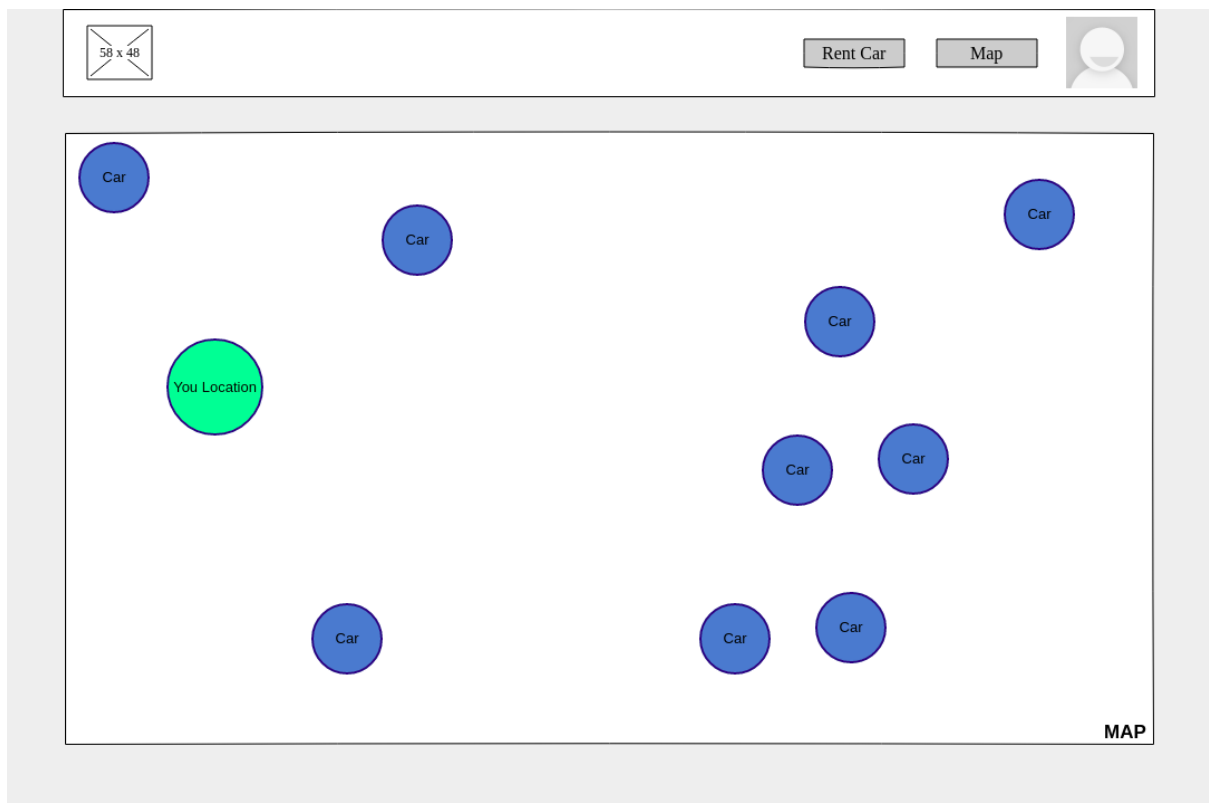
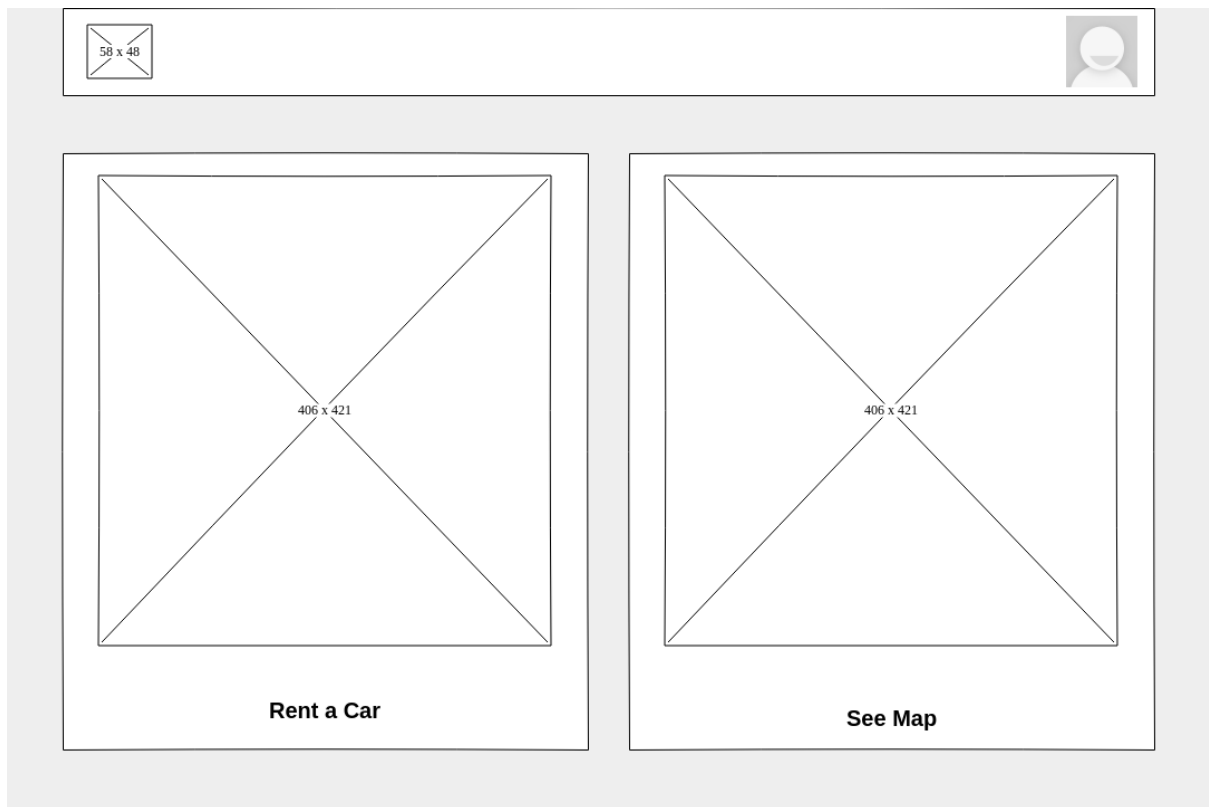
Password

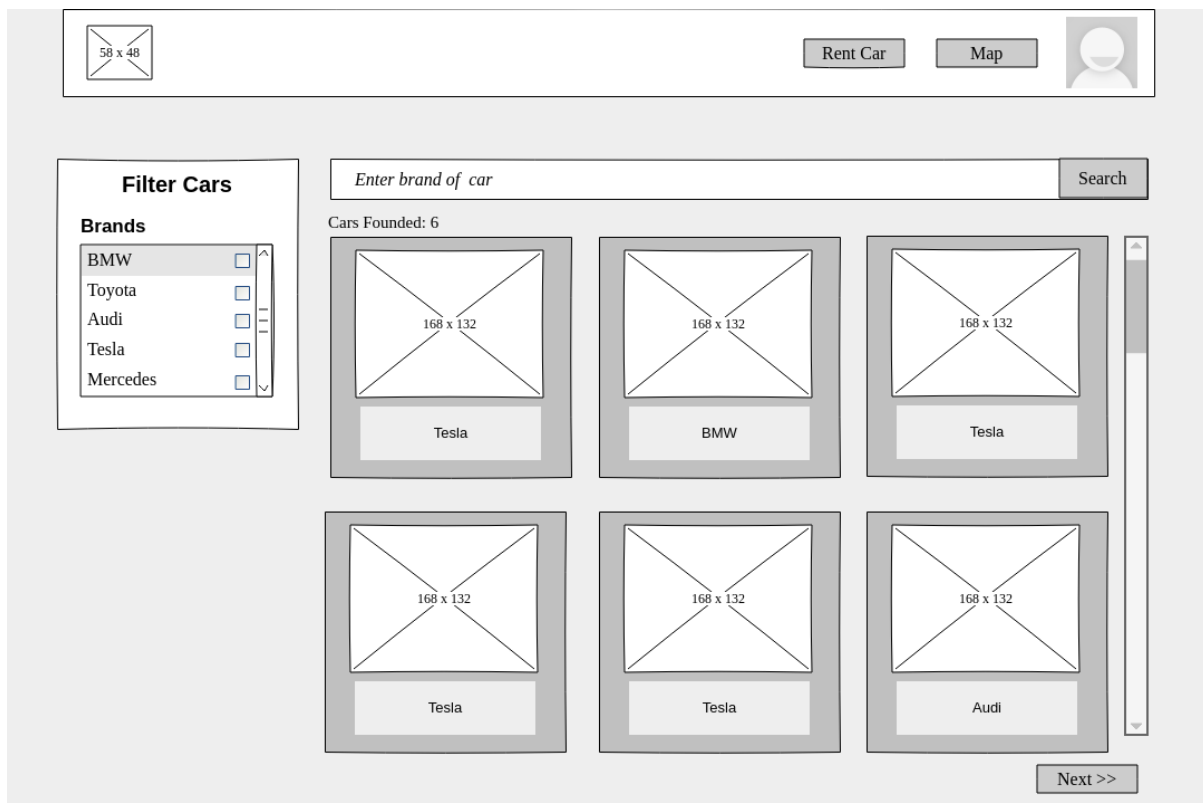
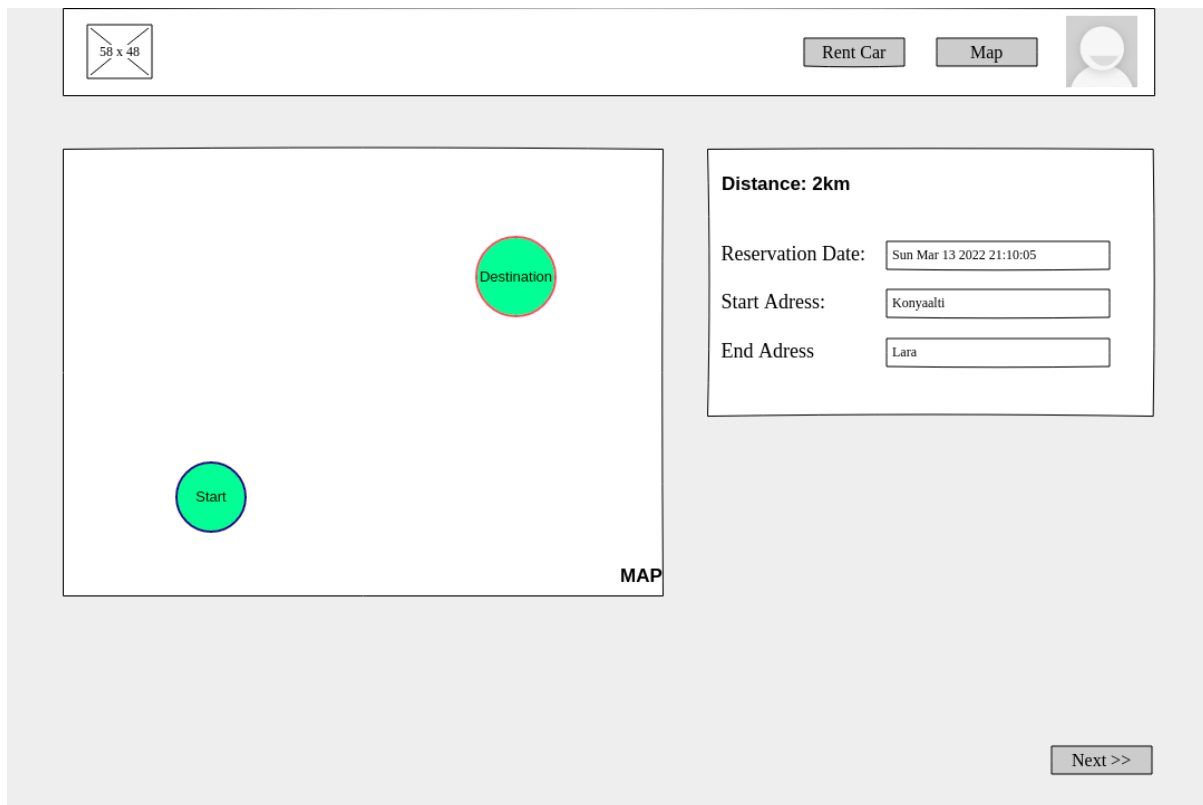
Password

Email

Password

[Fogot Password?](#)





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

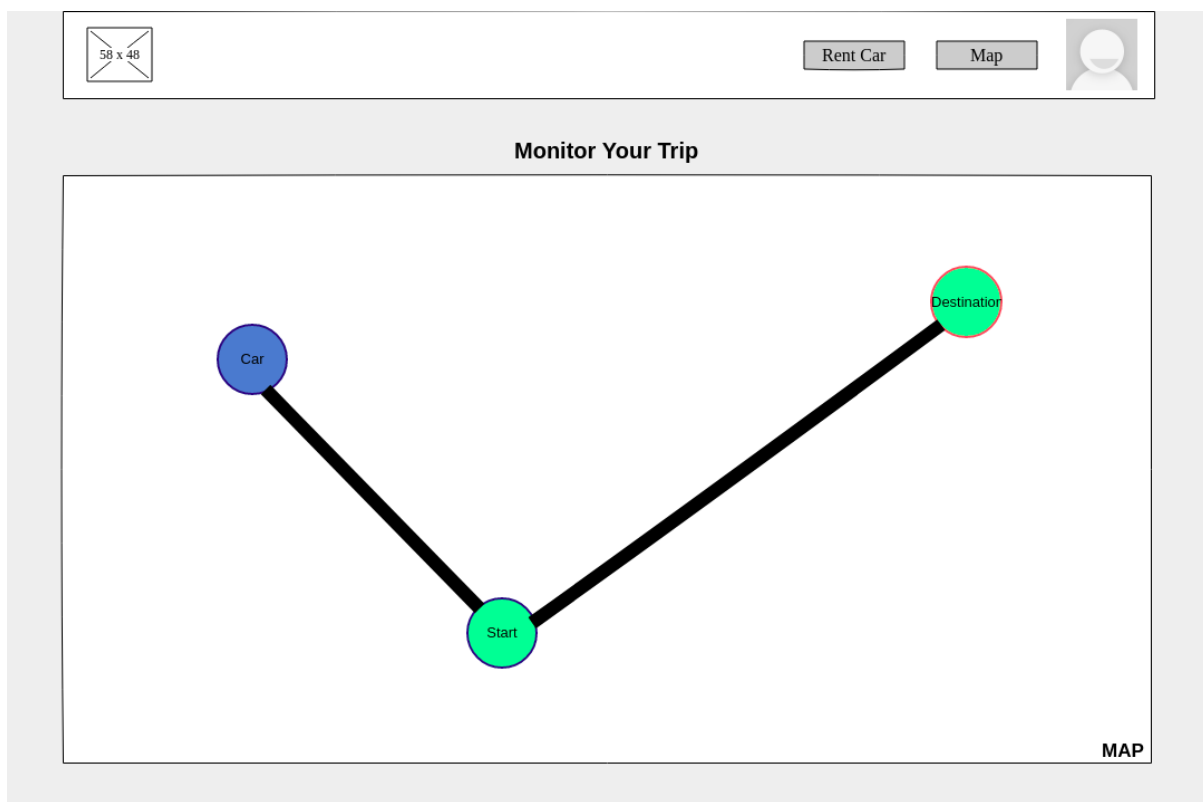
Cost per km: 4\$

Total Distance: 5km

Total Cost: 20\$

Car Brand: Tesla

Confirm



58 x 48

198 x 148

Profile Picture

Upload new profile

Account Informations

Email

admin@example.com

Old Password

New Password

New Password

Save Changes

Payment Informations

Card Number

1234 1234 1234 1234

Name Surname

Melih Gunay

Date

11/22

CVC

Save Changes

Rent Car

Map

Settings

Logout

58 x 48

198 x 148

Profile Picture

Upload new profile

Account Informations

Email

admin@example.com

Old Password

New Password

New Password

Save Changes

Payment Informations

Card Number

1234 1234 1234 1234

Name Surname

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Date

11/22

CVC

Save Changes

Rent Car

Map

Settings

Logout