Analysis:

the project should be on one page because the client wants to overview all data

the table should be simple without extra data to see clearly

no need to pagination to see everything real-time

the data has kept in tow table for better performance and aware of the repetition of data in DB

one table keep the customer's data and another table keeps customers vehicles

first I should get all customers from the first table and then I should get vehicles from the second table

in the real world, we can join tables in server-side for better performance

and showing them on the client table

from the beginning, I have to call an Interval function to get the vehicle's status every minute

I have a list of customers that the client selected to filter data

I have a specific status that the client selected to filter data

I have to keep both of them because data will refresh every time and result should be expected as we want

so we do filtration on every data refresh

and we keep the original data we get on the first place and doing filtration on original data and showing filtered data

each time I get the vehicle's status I have to update original data and call the filter function again

for localization, we have a component that can change the strings we want

I keep the strings and translation to other language and pass them when user need to change the website language

Actors:

We have one actor who can see all vehicles and statuses

can filter table with customers and vehicle status

can observe clients information (name, address, and vehicles belong to that customer) and can see whether it's available or not

User Flow:

Is Data available

No

No

Yes

Is Data available

Vehicles Table

Enter

Show “no data”

Show the web site in selected language

Filtered Vehicles Table

Yes

Usecase:

<<extend>>

client

Wire Frames:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Customer Name | Customer Address | Vehicle VIN | Vehicle Reg | Availability |
| Customer No1 | Sweden | VS2R1234567890987 | DEF456 | Yes |
| Customer No2 | Germany | VS2R1234567890987 | DEF456 | No |
| Customer No3 | UK | VS2R1234567890987 | DEF456 | No |
| Customer No4 | Norway | VS2R1234567890987 | DEF456 | Yes |

Customer Name

Availability

English

Swedish

w

Title

Branding:

the page has no pagination because we need to see all data at once

and we use blue and white, (cold colors) colors to show the page clear and so does not damage the eyes due to the need for long-term viewing

the Roboto font is the best choice to see everything clear

Due to the fact that the page is operational, we have avoided the use of any fantasy elements and kept it simple,

using colored Icons to show status also help to observe fast