

OP JAVA – Project

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UML and Wireframe

- UML

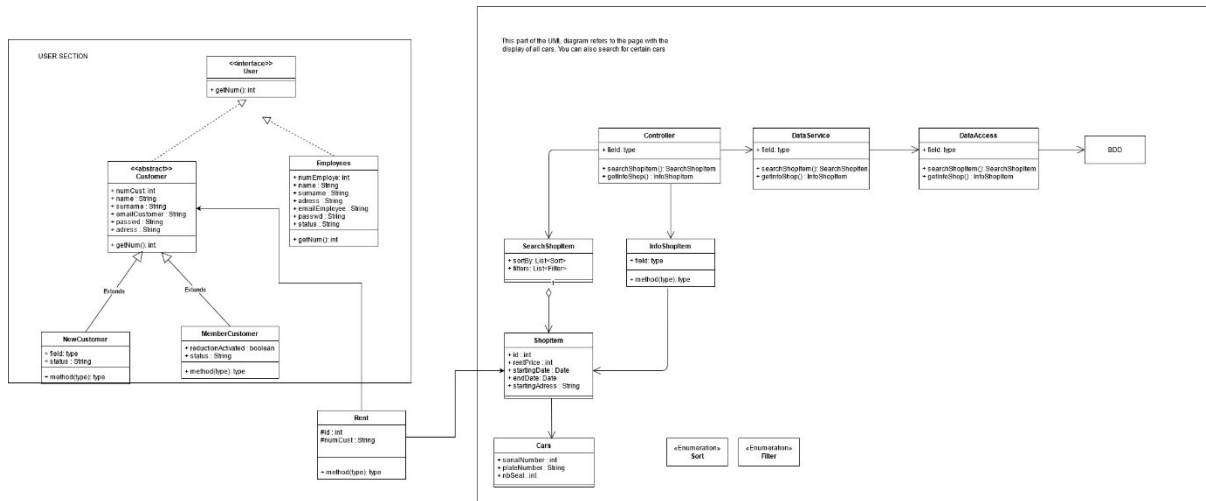


Figure 1 : Global vision of the UML Diagramm

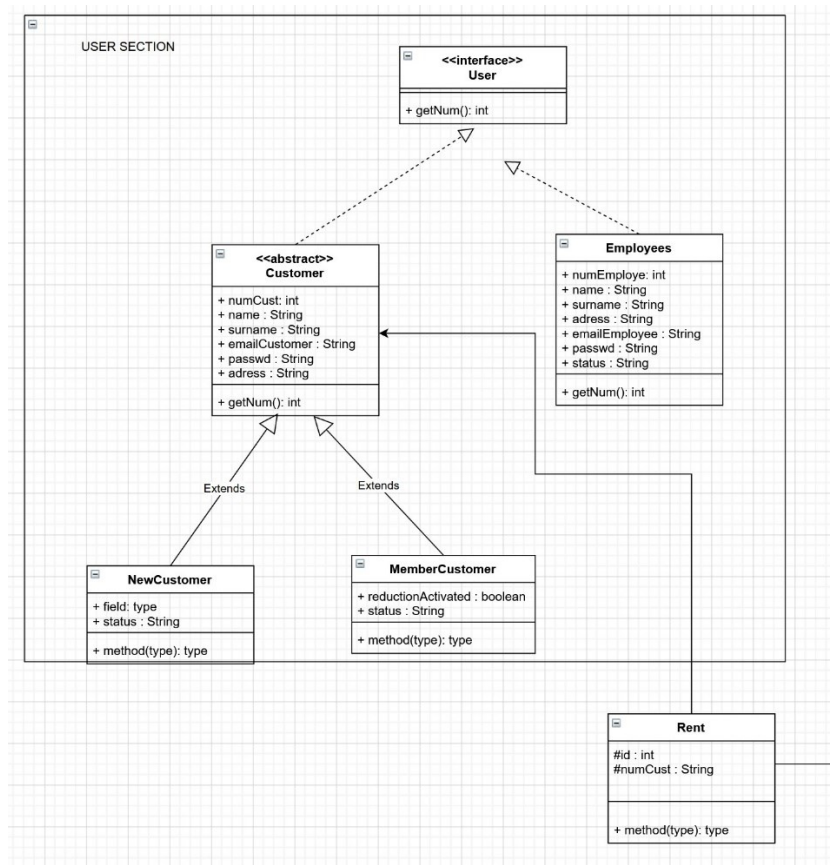


Figure 2 : 1st zoomed picture of the UML Diagramm

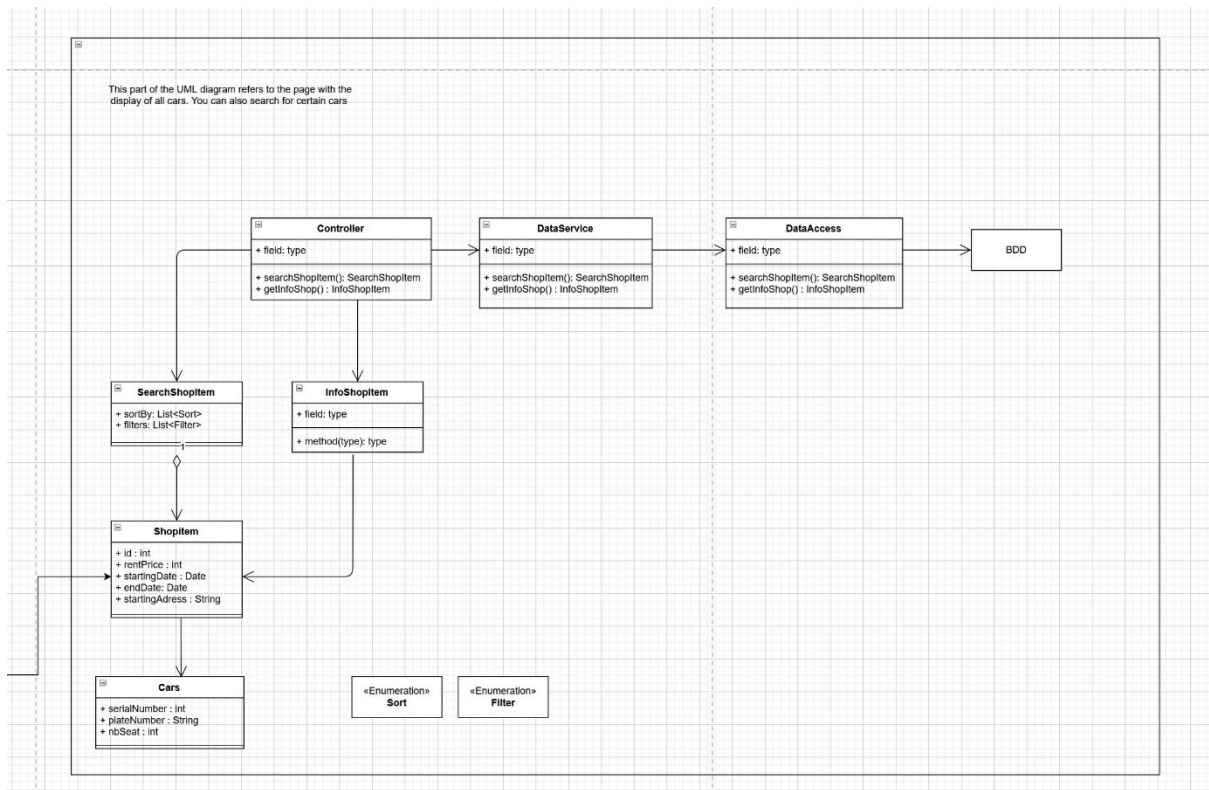
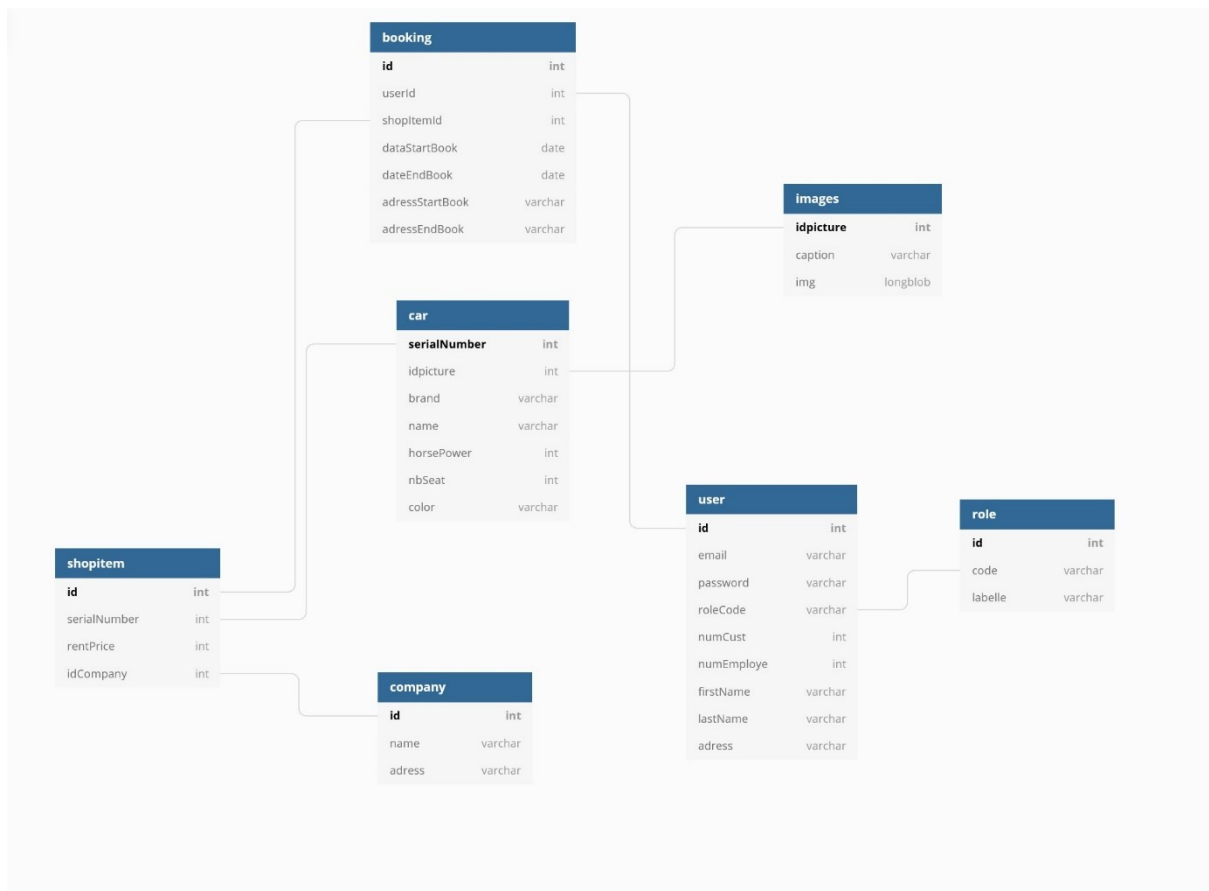


Figure 3 : 2nd zoomed picture of the UML Diagramm

- Database Diagram



- Wireframe

Explication :

First, you arrive on Rent a Car, simplest interface. You already have what u search : car rent.

You can enter the location of pick up, location of end and the date of start and end of the rent to find what car is available.

The wireframe shows a car rental application interface. At the top, there is a header bar with a user profile icon on the left and the text "Rent a car" on the right. Below the header, the interface is divided into two main sections. On the left is a sidebar with a light blue background, containing input fields for "Start location" (King's Row, London), "End location" (King's Row, London), "Start Date" (7/07/2021 : 09h00), and "End Date" (21/07/2021 : 09h00). It also includes "Filter by:" and "Sort by:" options with dropdown arrows. On the right is a list of available cars, each with a car image, its name, specifications, and a "rent" button. The first car is an Audi A4 Allroad - Black (300 hp / 5 seats / Bluetooth). The second is a Citroën DS3 Cross - Grey (300 hp / 5 seats / Bluetooth). The third is a Peugeot 3008 GT Line - White (300 hp / 5 seats / Bluetooth). Red boxes highlight the user profile icon, the "Rent a car" title, and the first car listing.

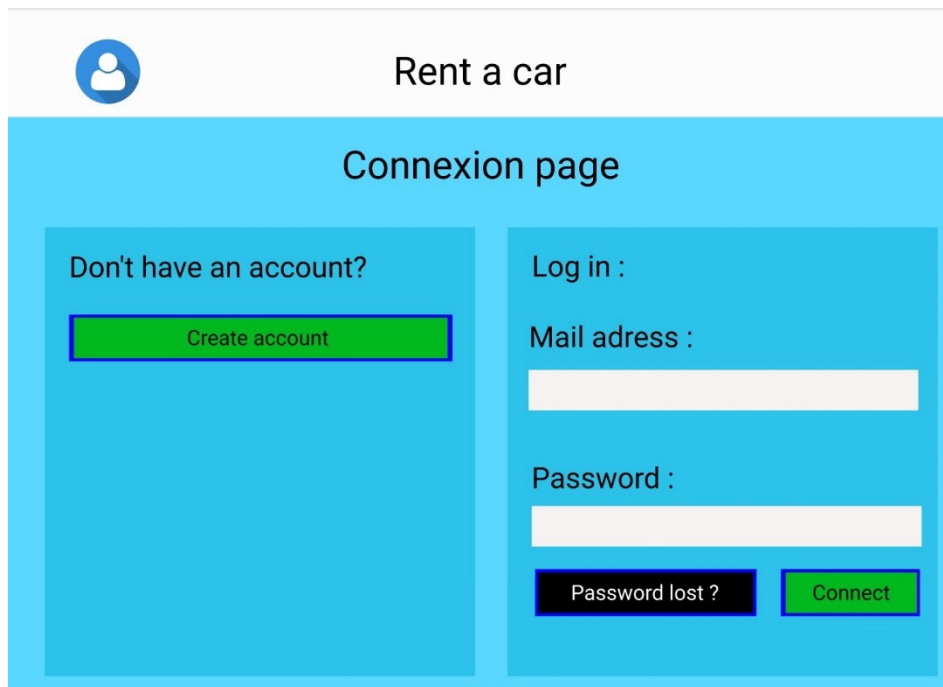
Start location	End location	Start Date	End Date
King's Row, London	King's Row, London	7/07/2021 : 09h00	21/07/2021 : 09h00

Car Model	Specifications	Action
Audi A4 Allroad - Black	300 hp / 5 seats / Bluetooth	rent
Citroën DS3 Cross - Grey	300 hp / 5 seats / Bluetooth	rent
Peugeot 3008 GT Line - White	300 hp / 5 seats / Bluetooth	rent

Figure 4 : Wireframe 1 of the application

When you click on the head (up left), you will be going on the connection page. You have two choices :

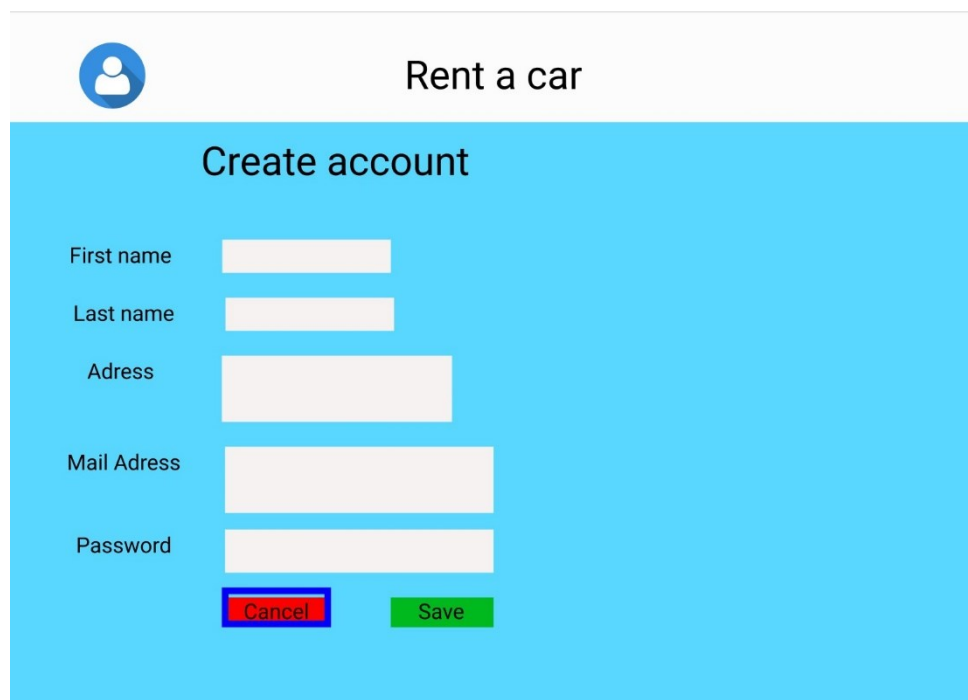
- you did not have an account and you can create one by enter all the required information.
- You have one and you can enter mail address and password.



The wireframe shows a header with a user icon and the text "Rent a car". Below the header is a light blue box titled "Connexion page". Inside this box, there are two main sections. The left section is titled "Don't have an account?" and contains a green button labeled "Create account". The right section is titled "Log in :" and contains two input fields labeled "Mail address :" and "Password :". Below these fields are two buttons: "Password lost ?" and "Connect".

Figure 5 : Wireframe 2 of the application


For the creation account, you just have to enter all the information required and submit.



The wireframe shows a header with a user icon and the text "Rent a car". Below the header is a light blue box titled "Create account". Inside this box, there are five input fields labeled "First name", "Last name", "Adress", "Mail Address", and "Password". Below these fields are two buttons: "Cancel" and "Save".

Figure 6 : Wireframe 3 of the application

On the account page, you'll find all your information and your status. Your status changed if you're a novice or someone who rent a lot of cars. Different discounts can be made according to the fidelity of the customers.



Rent a car

My account

First name

John

Last name

Smith

Adress

11 road garden,
Liverpool

Mail Adress

john.smith@gmail.com

Status

Customer

History :

Car rent 1 - Date 1 - Price 1

Car rent 2 - Date 2 - Price 2

Car rent 3 - Date 3 - Price 3

Car rent 4 - Date 4 - Price 4


Car rent 5 - Date 5 - Price 5

Figure 7 : Wireframe 4 of the application


When you enter the information for the car, several cars will appear with short information. For the one you are interested in, click on “Rent” (see

Figure 4 : Wireframe 1 of the application)

This page will bring you on a page with more details on the car, the period who you want to rent it and the price for the period. You can continue if you’re ok by clicking on “Rent”.



Rent a car



80€

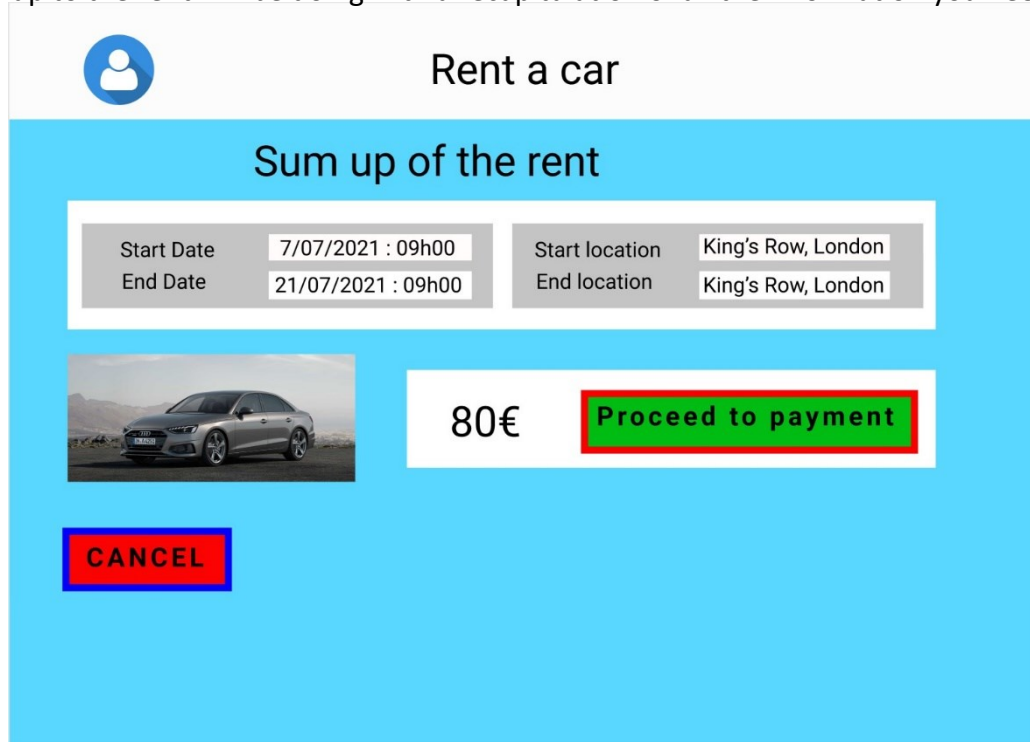
RENT

300 hp / 5 seats / Bluetooth

MORE DETAILS

Figure 8 : Wireframe 5 of the application

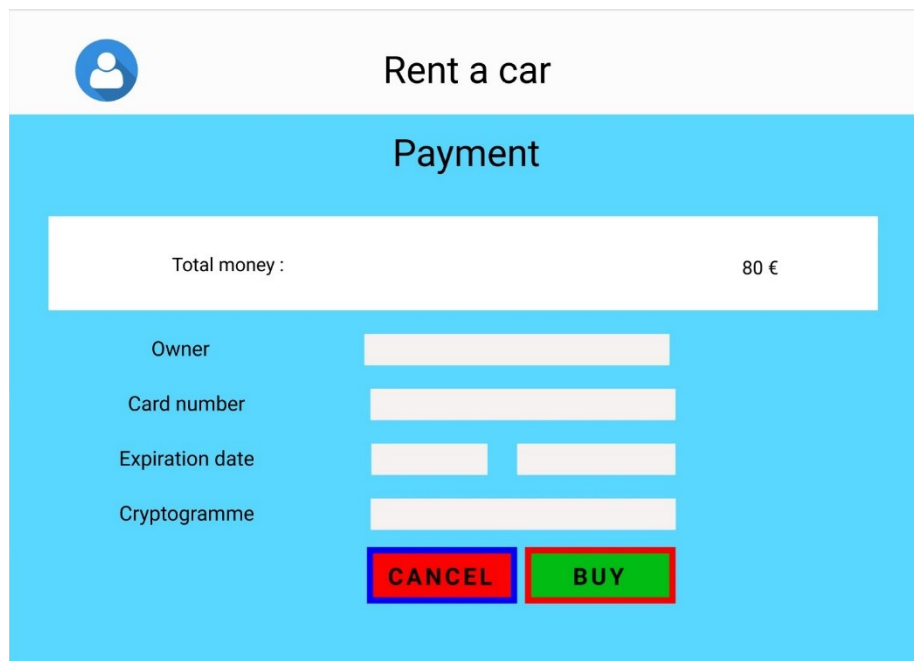
A sum up to the rent will be doing with a recapitulation of all the information you need.



Wireframe 6 of the application shows the 'Sum up of the rent' screen. The header is 'Rent a car' with a user icon. The main title is 'Sum up of the rent'. Below the title, there are two rows of input fields: 'Start Date' (7/07/2021 : 09h00), 'End Date' (21/07/2021 : 09h00), 'Start location' (King's Row, London), and 'End location' (King's Row, London). Below these fields, there is a car image on the left, the price '80€' in the center, and a green 'Proceed to payment' button on the right. At the bottom left, there is a red 'CANCEL' button.

Figure 9 : Wireframe 6 of the application

After that, you can proceed to the payment. Only card is accepted.



Wireframe 7 of the application shows the 'Payment' screen. The header is 'Rent a car' with a user icon. The main title is 'Payment'. Below the title, there is a white box containing 'Total money : 80 €'. Below this box, there are four rows of input fields: 'Owner', 'Card number', 'Expiration date', and 'Cryptogramme'. At the bottom, there are two buttons: a red 'CANCEL' button and a green 'BUY' button.

Figure 10 : Wireframe 7 of the application