

Technical report: Second workshop advanced programming

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User stories

- As a customer I want to have access to a menu to be able to give the specifications of the vehicle I want to buy.
- As a customer I want to have an option in the menu called engine type, to define the type of engine I want in my vehicle.
- As a customer I want to have options in the menu to choose each available vehicle, to create the vehicle I want to buy.
- As a customer I want to have the option in the menu to review the vehicle I have designed, to verify the complete characteristics of the vehicle.
- As an administrator, I would like to have the option to review the vehicles created so far, to determine which vehicles the company offers.
- As an administrator, I want to have the option to review the engines created so far, to determine which engines the company offers.
- As a user I want to have a way to log in, to identify myself in a unique way in the system.

CRC Cards:

Engine	
Responsability	Collaboration
<ul style="list-style-type: none">-Have the attributes of the engine.-Have a method that allows you to create an engine.	<ul style="list-style-type: none">VehicleClientAdministrator

Vehicle	
Responsability	Collaboration
<ul style="list-style-type: none">-Create a vehicle.-Calculate gas consumption.-Obtain the model of the vehicle.-Get the type of chassis,- Obtain the year of creation of the vehicle.-Get the engine created by the user.	<ul style="list-style-type: none">EngineClientAdministrator

-Obtain the gas consumption of the vehicle.	
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User	
Responsability	Collaboration
<ul style="list-style-type: none"> -Have the user's attributes. - Register the user with an identifier and a password. -Sign in. -Have an access dictionary to determine the user's role. 	<ul style="list-style-type: none"> Engine Vehicle Client Admin

Client	
Responsability	Collaboration
<ul style="list-style-type: none"> -Have the attributes of the customer. - Register the customer with an identifier and a password. -Obtain the customer's vehicles. -Sign in 	<ul style="list-style-type: none"> Engine Vehicle User

Admin	
Responsability	Collaboration
<ul style="list-style-type: none"> -Have the attributes of the admin. -Register the admin with an identifier and password. - Get the vehicles created in the system. -Get the engines created in the system. -Sign in 	<ul style="list-style-type: none"> Engine Vehicle User

To do: moto, car, yate

Class diagram

