Technical report: Third workshop advanced programming
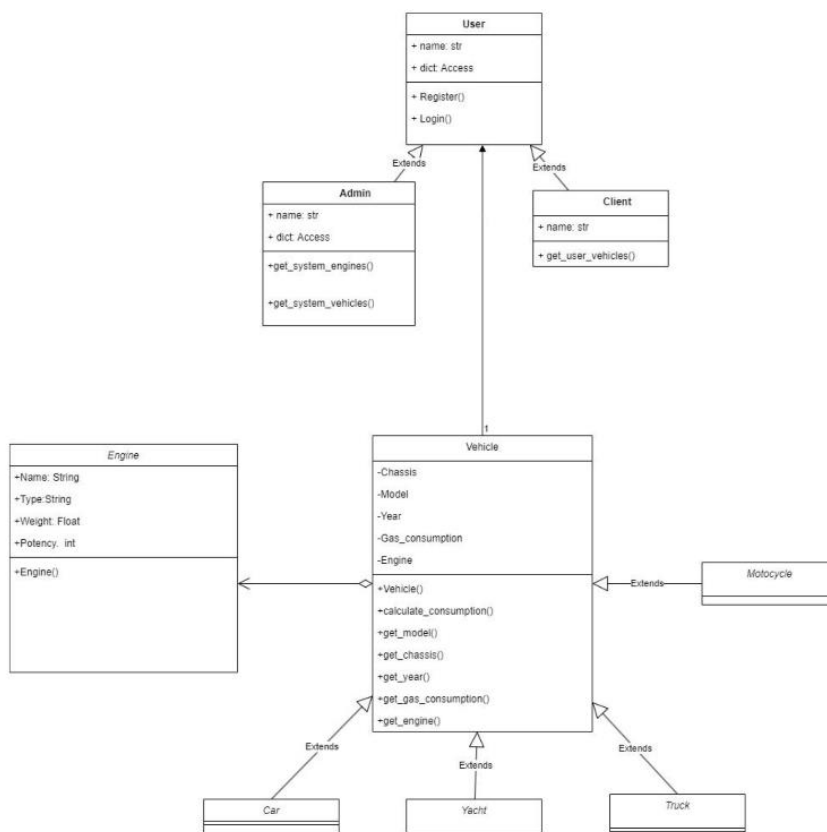
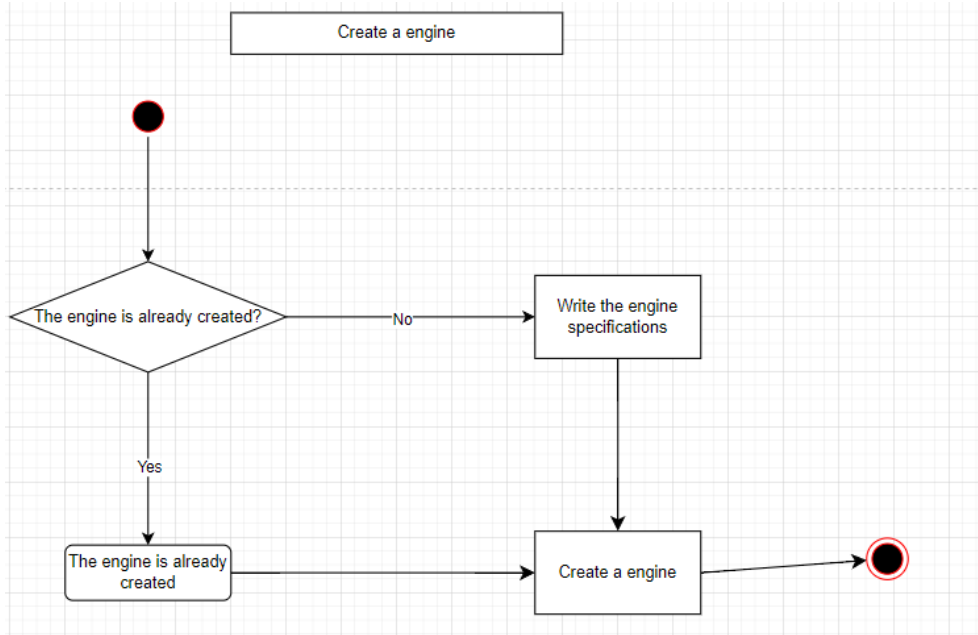Name: Carlos Alberto Barriga Gámez

Code: 202220202179

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 (Admin, Customer) I want to have a way to log in, to identify myself in a unique way in the system.
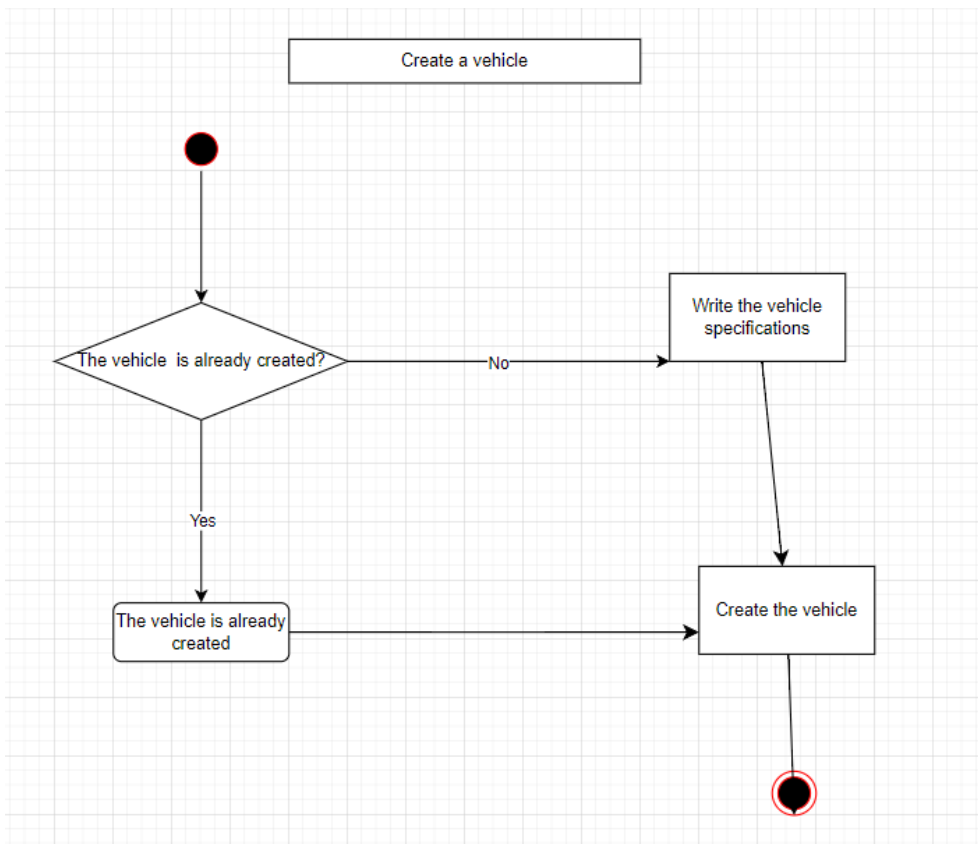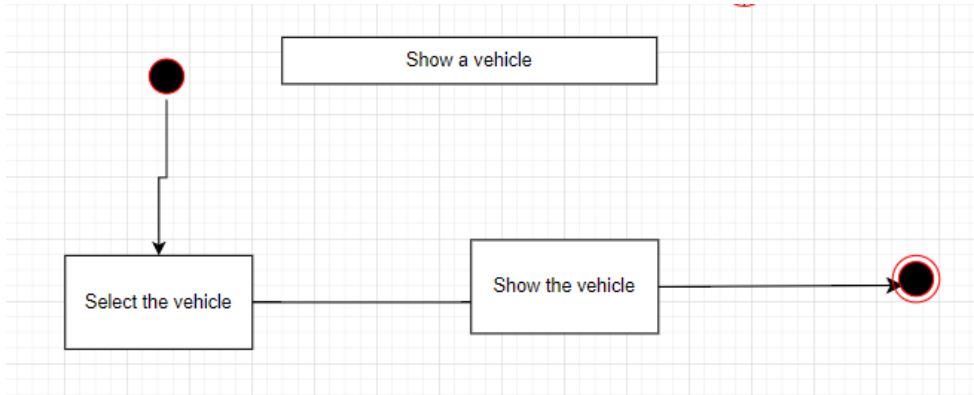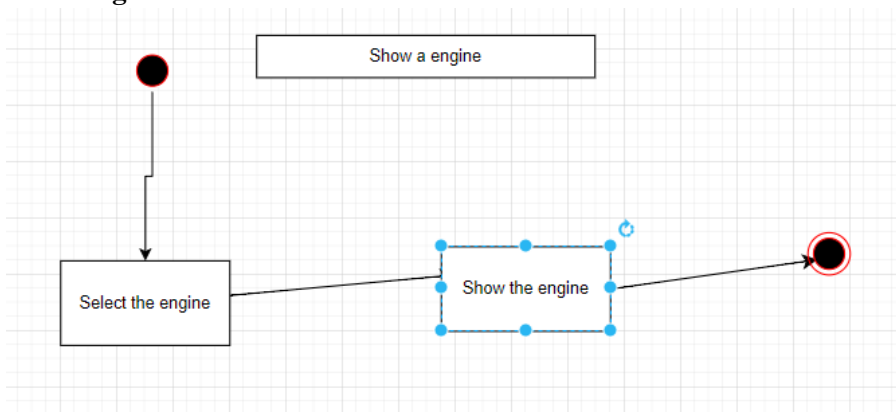
Class diagram

Activity diagrams

Create a engine
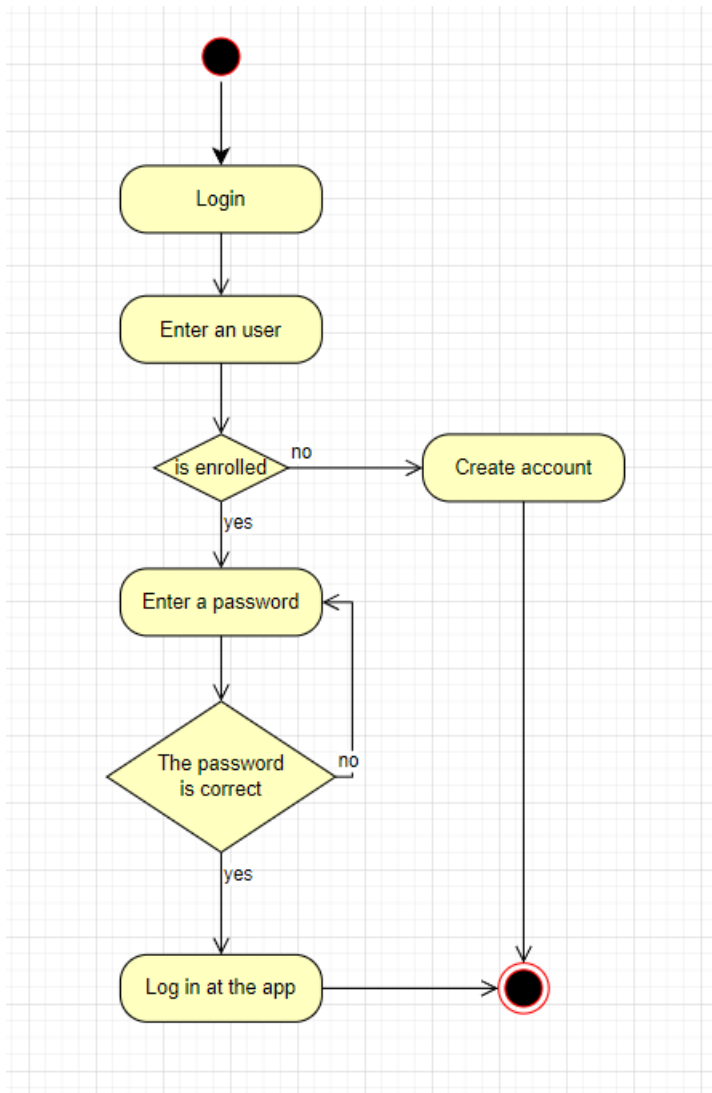

Create a vehicle

Show vehicle

Show engine

Login

UI Prototypes:

Advanced motors

Create a engine

See all engines

See all vehicles

Create a vehicle

Enter the name of the vehicle

Placeholder

Enter the name of the engine

Placeholder

Enter the model of the vehicle

Placeholder

Enter year of the vehicle

Placeholder

write the chassis (A or B):

Placeholder

Create a vehicle

Advanced motors

Create a vehicle

See all engines

See all vehicles

Create a engine

Enter the name of the engine

Text

Enter the type of the engine

Text

Enter the weight of the engine

Text

Create a engine

Create a vehicle   Create a engine   See all engines   See all vehicles

See all engines

Col 1	Name	Col 3
Engine 1	----	--
Engine 2	---	--
Engine 3	---	---

Create a vehicle   Create a engine   See all engines   See all vehicles

See all vehicles

Col 1	Name	Col 3
Vehicle 1	----	--
Vehicle 2	---	--
Vehicle 3	---	---