# Programming 2 (Java) 1st practical exam.

Create an application for the rebels of the Star Wars to registration of spaceship fleet.

Spaceship types to register:

* Shuttle: name, call sign, seats, number of transportable persons, number of transported persons, max speed
* Starship: name, call sign, seats, number of transportable persons, number of transported persons, max speed, fire power, max transportable weight, transported weight
* Fighter: name, call sign, seats, number of transportable persons, number of transported persons, max speed, fire power, has navigator robot

The max speed, the number of seats and the max load is set for each spaceship types.

The actual speed is calculated from max speed, transported persons, transported weight and existence of a navigation robot.

speed = max speed – seats occupied / 5 – transported weight

When the spaceship has a navigation robot, its speed can be increased (multiply by 1.7), but cannot go faster than the maximum speed.

Description can be created from the units (toString) which contains the type, name, seat utilization, load utilization and whether it has weaponry.

For example.

* Shuttle, Box One, seats 12/25, load 80/85, no weaponry
* Fighter, Rouge One, seats 1/1, has weaponry

Create an application in which any vehicles of the fleet can be registered. Registration can be done by the user through the console. (numeric values can be random)

After registration of the full fleet, list the vehicles, then find the fastest and the most powerful units.