

Class Activity

In this group activity, you will be required to work in groups of 3 or 4 and design a class diagram for a vehicle class that will be a parent class for different vehicle types in the table with unique functionality here is the table below:

Vehicle class:

- Common attributes: make, model, year, max speed.
- Common Methods: start(), stop(), accelerate(), brake()

Use the appropriate data types for the attributes

Type	Data Type	Functions
Car	Number of doors, Sunroof	openSunroof(): Opens the sunroof if the vehicle has one
Truck	Cargo capacity, Has trailer	attachTrailer(): Attach a trailer to the truck
Boat	length, Has basket	anchor(): Drop the anchor
Motorcycle	Has sidecar	toggleSidecar(): Attach or detach the sidecar