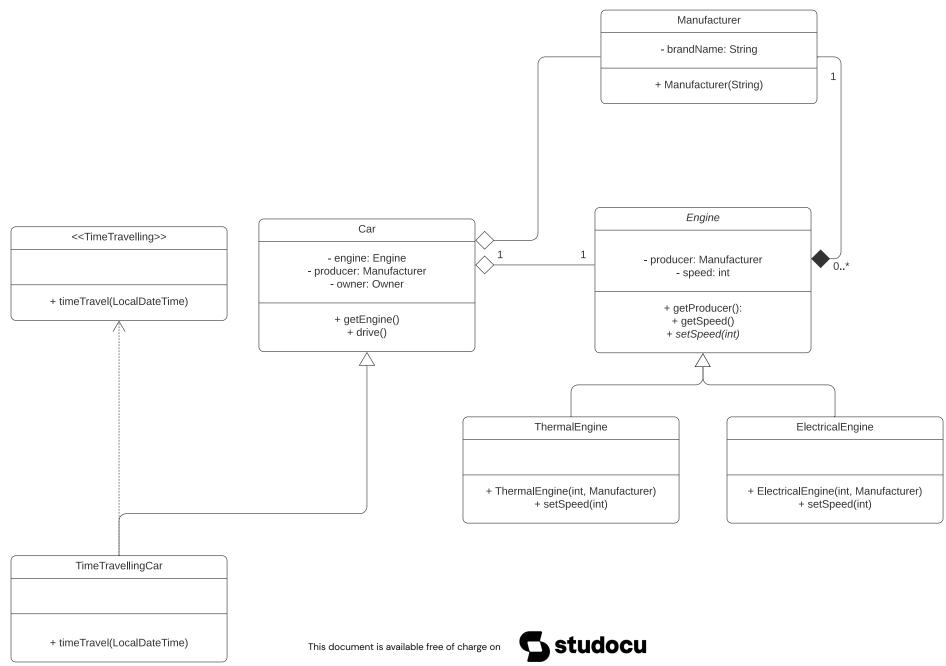# 21T2 cs2511 Tute02 Cars Solution

O-O Design & Programming (University of New South Wales)

Tute 03 - Cars UML Diagram Solution

Nick Patrikeos | October 2, 2021

Manufacturer

- brandName: String

+ Manufacturer(String)

1

<<TimeTravelling>>

+ timeTravel(LocalDateTime)

Car

- engine: Engine
- producer: Manufacturer
- owner: Owner

+ getEngine()
+ drive()

1

1

Engine

- producer: Manufacturer
- speed: int

+ getProducer():
+ getSpeed()
+ setSpeed(int)

0..*

ThermalEngine

+ ThermalEngine(int, Manufacturer)
+ setSpeed(int)

ElectricalEngine

+ ElectricalEngine(int, Manufacturer)
+ setSpeed(int)

TimeTravellingCar

+ timeTravel(LocalDateTime)