Lyft's fleet rental car service uml class diagram

CarFactory(ABC)

-car_models: dict

+ get_model(): Car
+ add_model(): None

@database Car

-Parts: list

ServicingProcess(CarFactory, ABC)

+ needs_serice(): bool

Engine

-mileage_threshold: int

+needs_service():bool

Battery

-time_threshold: int

+needs_service():bool

CapuletEngine(Engine)

-mileage_threshold: int

+needs_service():bool

WilloughblyEngine(Engine)

-mileage_threshold: int

+needs_service():bool

SternmanEngine(Engine)

-mileage_threshold: int

+needs_service():bool

SpindlerBattery(Battery)

-time_threshold: int

+needs_service():bool

NubbinBattery(Battery)

-time_threshold: int

+needs_service():bool