1. **Smart Parking Management System**

Purpose: To keep track of vehicles entering and exiting the parking lot, calculate fees, track occupancy, report…

1. Parking Attendant

* Records vehicle entries and exits
* Reviews daily reports
* Updates prices (maybe some car models need to pay more money for parking because of the area it covers)

1. Customer (Vehicle Owner)

* Leaves vehicle in parking lot
* Gets price information
* Submit a Complaint or Feedback

There are different types of vehicles in our project: inheritance

Car (Car)

Truck (Truck)

Motorcycle (Motorcycle)

…

But they all have the same basic features: plate, entry time, exit time, fee, etc.

.. SQLite Vehicle entry/exit and did not make payments database

.. YAML fee schedule or parking capacity config

.. Pickle (Optional) – sample object record