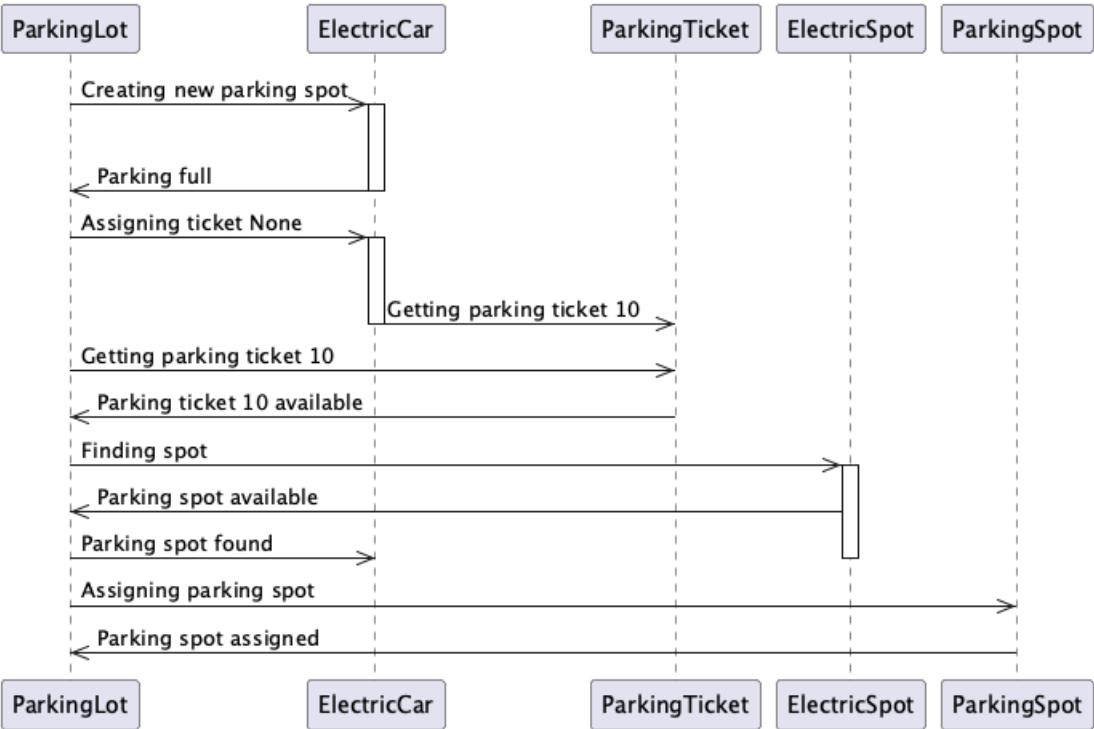# PlantUML Sequence Diagram

Root Cause Analysis

Based on the logs, the root cause of the crash is likely due to the parking lot being full. Here's the breakdown:

1. A new ElectricCar object is created (line 70).
2. The car type is identified as VehicleType.ELECTRIC (line 24).
3. The ElectricCar attempts to park, but the parking lot is full (line 75).
4. The ElectricCar is assigned a ticket with "None" (line 12).
5. The car type is again identified as VehicleType.ELECTRIC (line 24).
6. The ElectricCar attempts to get a parking ticket, which successfully returns ticket 10 (line 11).
7. The ParkingLot looks for a spot for the ElectricCar.
8. A spot is found (line 61).
9. The ParkingSpot is assigned to the ElectricCar (line 21).

It's important to note that the logs provide limited context. Analyzing the code would be necessary to confirm this analysis. However, based on the information available, the crash seems to occur because the car attempts to park despite the parking lot being full. Assigning a ticket with "None" might be an indicator of this unexpected scenario.

Logs:

```
2025-01-25 16:25:04,221 - root - INFO - class: ParkingLot, module:
src.parking.parkinglot, file: parkinglot.py, log: Creating new parking spot  , line:
70
2025-01-25 16:25:04,221 - root - INFO - class: ElectricCar, module:
src.vehicle.vehicle_types, file: vehicle_types.py, log: Car type is
VehicleType.ELECTRIC, line: 24
2025-01-25 16:25:04,221 - root - INFO - class: ParkingLot, module:
src.parking.parkinglot, file: parkinglot.py, log: Parking full  , line: 75
2025-01-25 16:25:04,221 - root - INFO - class: ElectricCar, module:
src.vehicle.vehicle_types, file: vehicle_types.py, log: Assigning ticket None, line:
12
2025-01-25 16:25:04,221 - root - INFO - class: ElectricCar, module:
src.vehicle.vehicle_types, file: vehicle_types.py, log: Car type is
VehicleType.ELECTRIC, line: 24
2025-01-25 16:25:04,221 - root - INFO - class: ParkingTicket, module:
src.parking.parkingticket, file: parkingticket.py, log: Getting parking ticket 10,
line: 11
2025-01-25 16:25:04,221 - root - INFO - class: ParkingLot, module:
src.parking.parkinglot, file: parkinglot.py, log: Finding spot  , line: 61
2025-01-25 16:25:04,221 - root - INFO - class: ParkingSpot, module:
src.parking.parkingspot, file: parkingspot.py, log: Parking spot  assigned., line: 21
```

**This is an LLM generated report - please be aware of hallucinations
(Esp if you provide an incorrect prompt/insufficient data)**