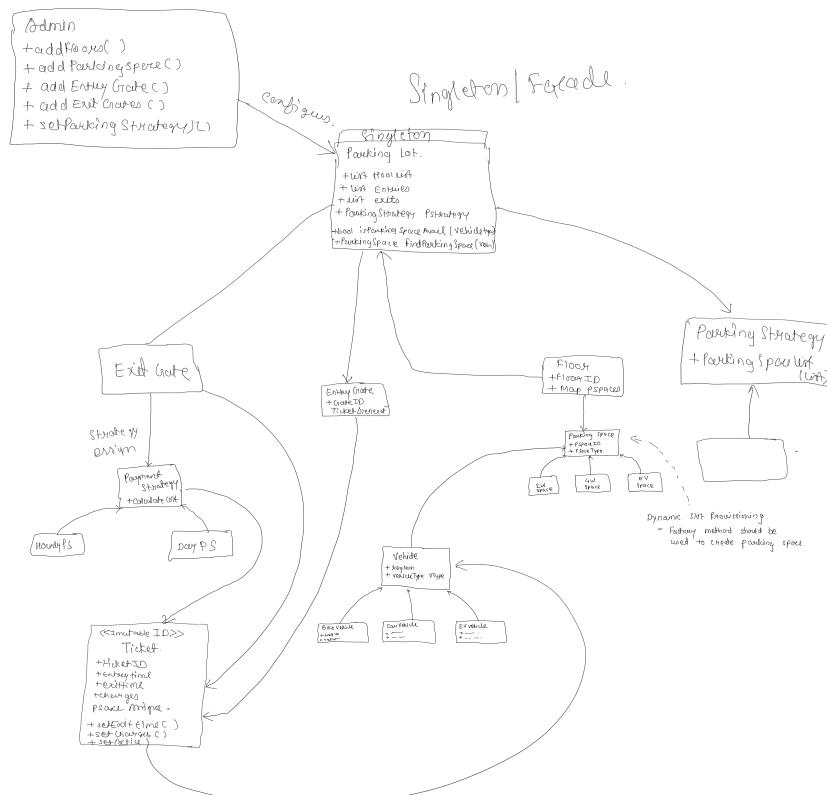
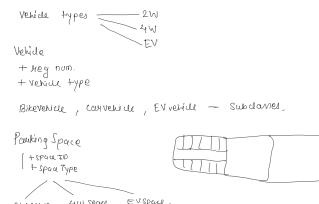


Q. Draw a UML Diagram showing the relationships and design patterns, principles and algo's required.



* Handling Concurrency for Entry Gates.

Vehicles 1 → Entry Gate 1 → Acquiring P1 -> 101 → acquire(P101) → ... → Release the lock.
 Vehicles 2 → Entry Gate 2 → Acquiring P1 -> 101 → acquire(P101) → ... → Granted lock,

8pm → 10pm.

PayStrategy → PrimeTimeSurgeCharge implements paymentStrategy.