**Problem:**

* Congestion from finding spots.
* Congestion from payment transaction/gates

**Selling Points:**

* Pedestrian traffic numbers, possible targeted advertisements, quickness of parking, quicker turnaround, knowing where car is parked, less waiting time, lowers fraud, faster leaving
* Reduce congestion in private parking lots, decreasing time spent in parking lot and increasing time spent in business.
* We use this new system because there is a shift in payment technology, ex. Apple pay/Andriod pay. This will transition consumers from cash and credit card to credit card and NFC based payments. We must also adapt with the times.
* Technology will help customers know if parking places are available before they embark on a particular destination.

**Notes:**

* Sensors to read licence plate only at entrance. Use lasers to determine if a spot is open
  + If the car leaves within 10 minutes it doesn't get charged
* Can keep or remove ticketing system
  + If choose to keep tickets we need to “check in” a licence plate/account to know if they need to be charged by card when they pull out
  + Ticketing system is for cash
  + Ticketing system requires an exit turnstile
    - Not worried about people leaving to avoid paying because they will just be charged continuously.
    - Add speed bump to avoid problems
* For our system 2 use cases
  + Account
    - They have an account attached to their licence plate
    - Get navigation to closest parking spot
      * Need to consider if you a car is already in transit to that spot
  + No Account
    - Swipe a credit card to open the turnstile
* Charged after leaving parking lot