

### Use cases

1. System display options of different parking lots around campus with a interactive map.
2. System display option to pay citation.
3. System prompt user to search nearby parking lots through a search bar.
4. User choose a parking lot they want.
5. System check for available parking spot.
6. System prompt user to buy/renew parking permit.
7. If the lot is full, system prompt user the option to trade spot from other students,

### Personas

Name: John

Background:

- 20, male
- Shy
- Comfortable communicating using technology

Motivation:

- Video game enthusiast
- Like new technology

Frustration:

- Spending too much time finding spot at CPP

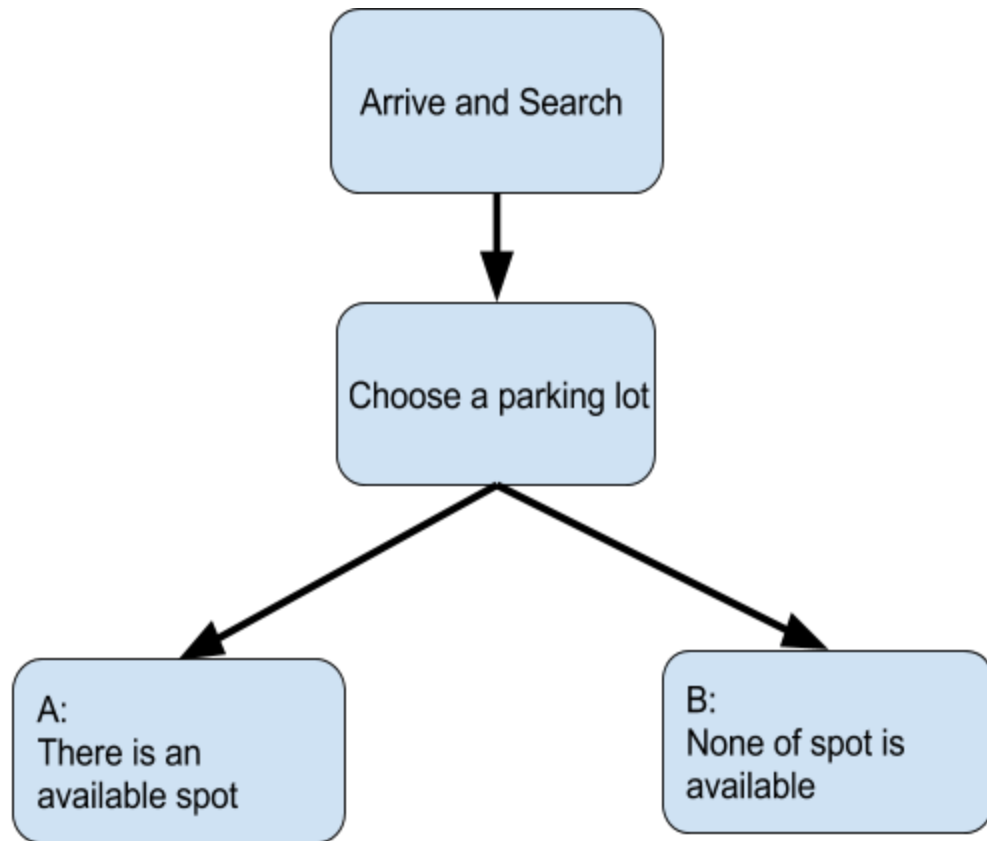
John is a student majoring mechanical engineering at cal poly pomona. He is a big video game fan, and technology enthusiast. He loves play all kinds of console games at free time, and try out all kind of new electronics. He complaints a lot about CPP's parking system took too much of his "gaming time", since it took so long to find a spot.

### Task scenario

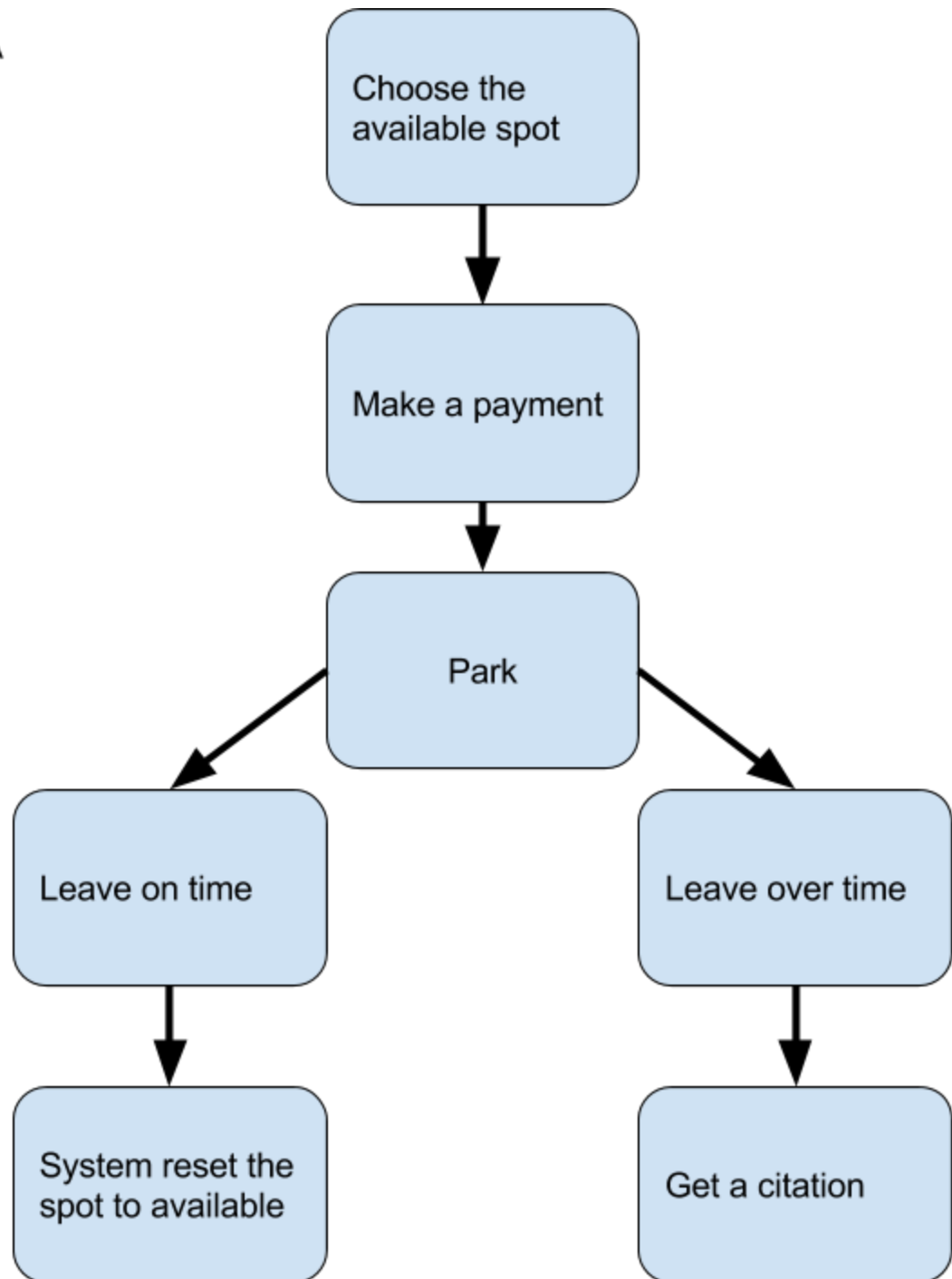
John driving to school, pull out the phone, opened CPP parking app to find a parking spot. He searched the nearest parking lot by Build 8, and found Lot J. Then he clicked on Lot J, a list of available spot showed up, then he clicked on one of the available spot, and finally payed for the permit.

On the other day John drove to school at a busy hour, he found out that all the spot at Lot J is taken. He then opened the app and trying to trade the spot with one of the student who is leaving. The other student proved his request, and he parked right away.

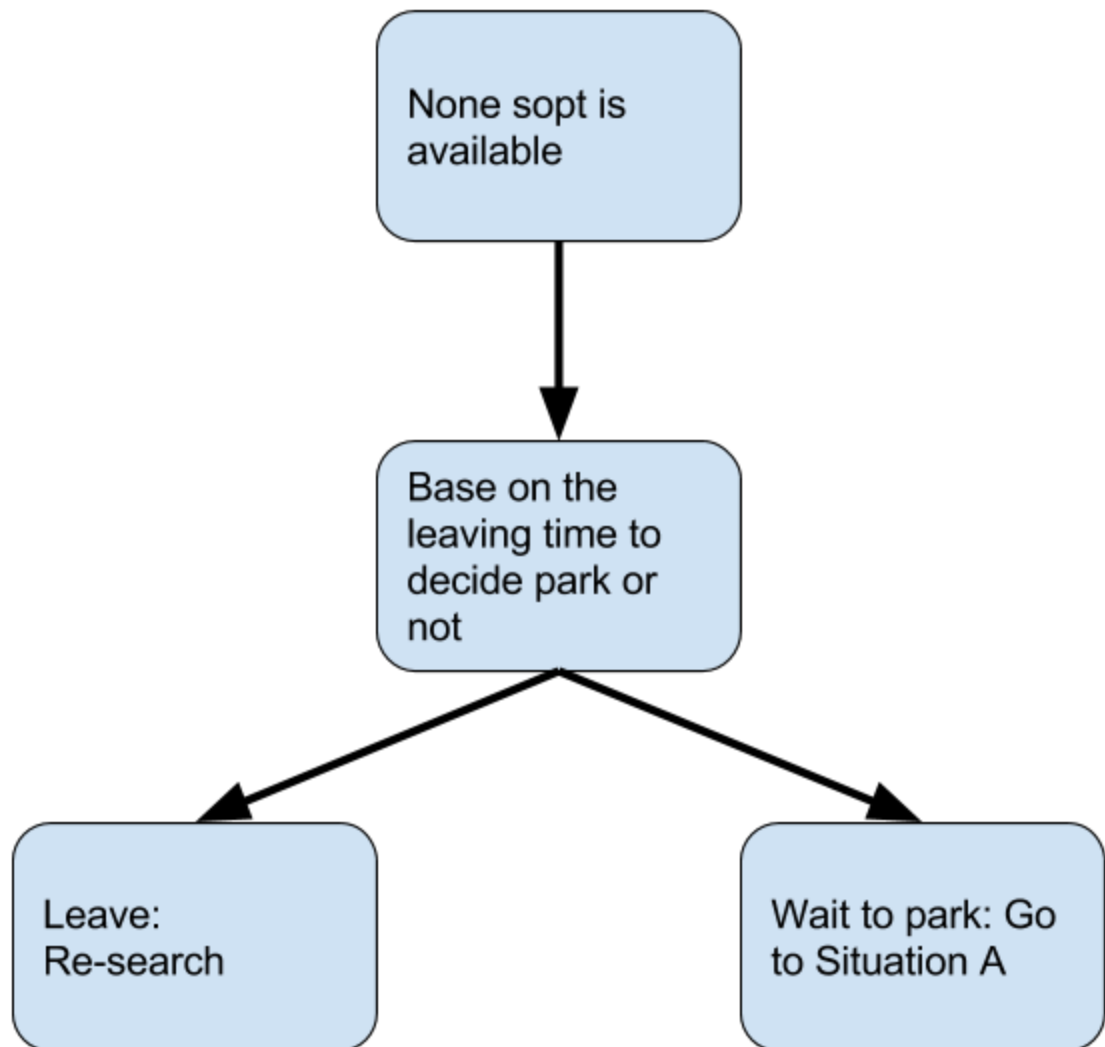
Wireframe:



Situation A



## Situation **B**



## Instruction

### CPP Parking System

This system is to help students get park spots faster than before. Students can easily access, search, find out, and decide to park through this system. As well as saves students' time, make the parking things easier.

### How to use it

- Access to the system
- Input a parking lot which you want to park and submit
- Choose the lot you want to park
- Choose the available spot to park or wait for the leaving cars' spot
- Make a payment
- Once you get a spot, park your car there and yell “ Yeah!” loudly

PS: Please leave on time or you will get a citation.

Step 1: John arrived at school and open CPP parking app.



Step 2: John searched the nearest parking lot near Building 8 and choosed Lot J.

Lot B
Lot C
Lot M
Lot J
Parking Structure 1
Parking Structure 2

Step 3: Choose the spot which is available

Spot 1	Avaliable
Spot 2	Not Avaliable Until 4:30pm
Spot 3	Avaliable
Spot 4	Not Avaliable Until 5:30pm
Spot 5	Avaliable
Spot 6	Not Avaliable Until 2:30pm

Step 4: Make a payment

ParkCPP
Home
Parking Lots
Citation

Card #:

Security code: