

SI543 Project Pitch

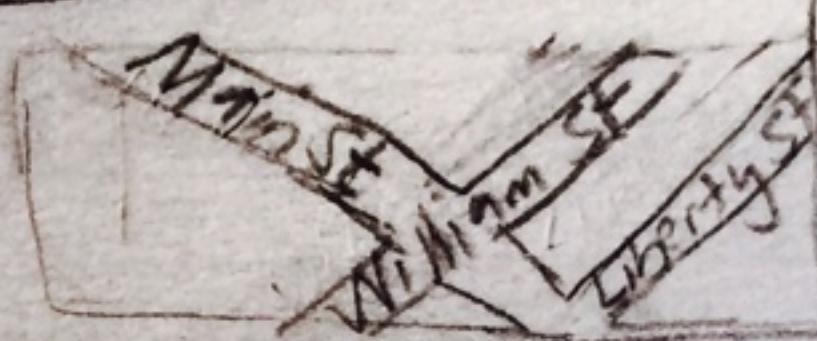
The project we're proposing is an application to help people avoid parking tickets. It's useful for anyone who drives and needs to find parking, particularly in the Ann Arbor area, where free street parking is difficult to come by and people who need to park for lengthy stretches of time often accrue significant fees or numerous parking tickets.

The app would work as follows: When somebody receives a parking ticket they submit the data surrounding it to the app – ticketing officer, time, and location. After a sufficient quantity of data is gathered, it can then be analyzed for trends, including what areas are patrolled most often by parking agents and, eventually, a rough idea of individual agents' patrol routes. With this information, people can then input where they have parked, and be given alerts based on how likely they are to be ticketed at a given time.

This differs from currently available apps in its predictive nature. There are some apps that will give you information of municipal regulations, such as hours and prices for different lots and streetsweeping schedules, but none go the step of attempting to analyze the patterns of the parking agents themselves in an attempt to predict in advance when you are most likely to be ticketed in any given area. It may be possible given what is relatively basic information (time and place of receiving a parking ticket) to extrapolate far enough out to significantly impact the number of parking tickets a person on average receives.

Ticket form

Ticketed location



Time issued

6:15 AM
7:16 PM
8:17

Type of
Parking

metered
2 hour
30 minutes

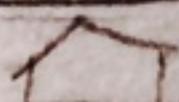
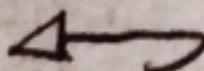
Ticketing
officer

John Ticket

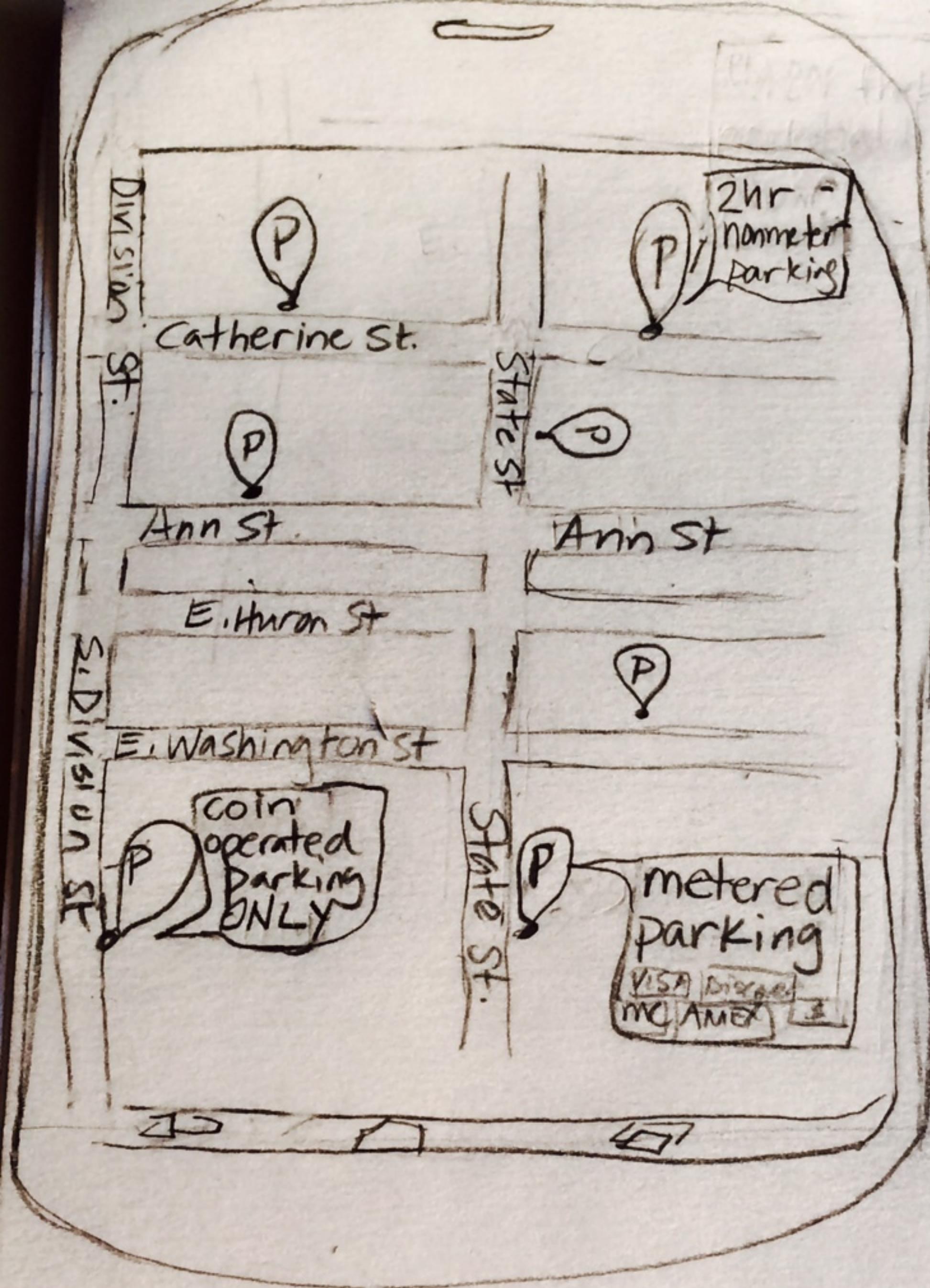
Scan/upload
parking ticket

upload

Submit



Ticket form



city map of detailed
parking options

Initial Parking Form

Initial Parking Form

Location:

Time:

Time ~~at~~ Meter
Expiration:

Alert Type:

Submit



Average patrol routes
by officer



Warning Screen

Parking ! agent.
alert.

15 : -
min sec

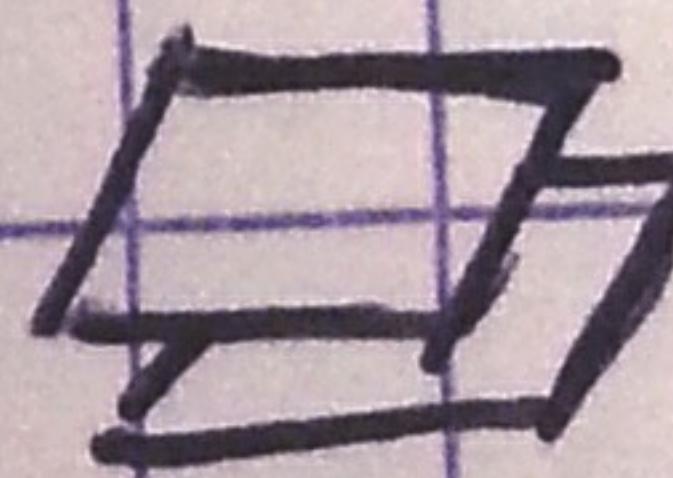
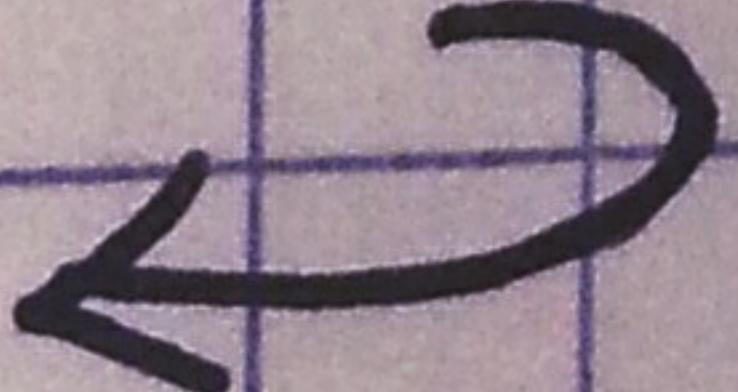
left.

You should leave in
2 minutes.

Parking location = XXX Ann St.

Route!

estimate \$



Data presentation for a particular street.

