

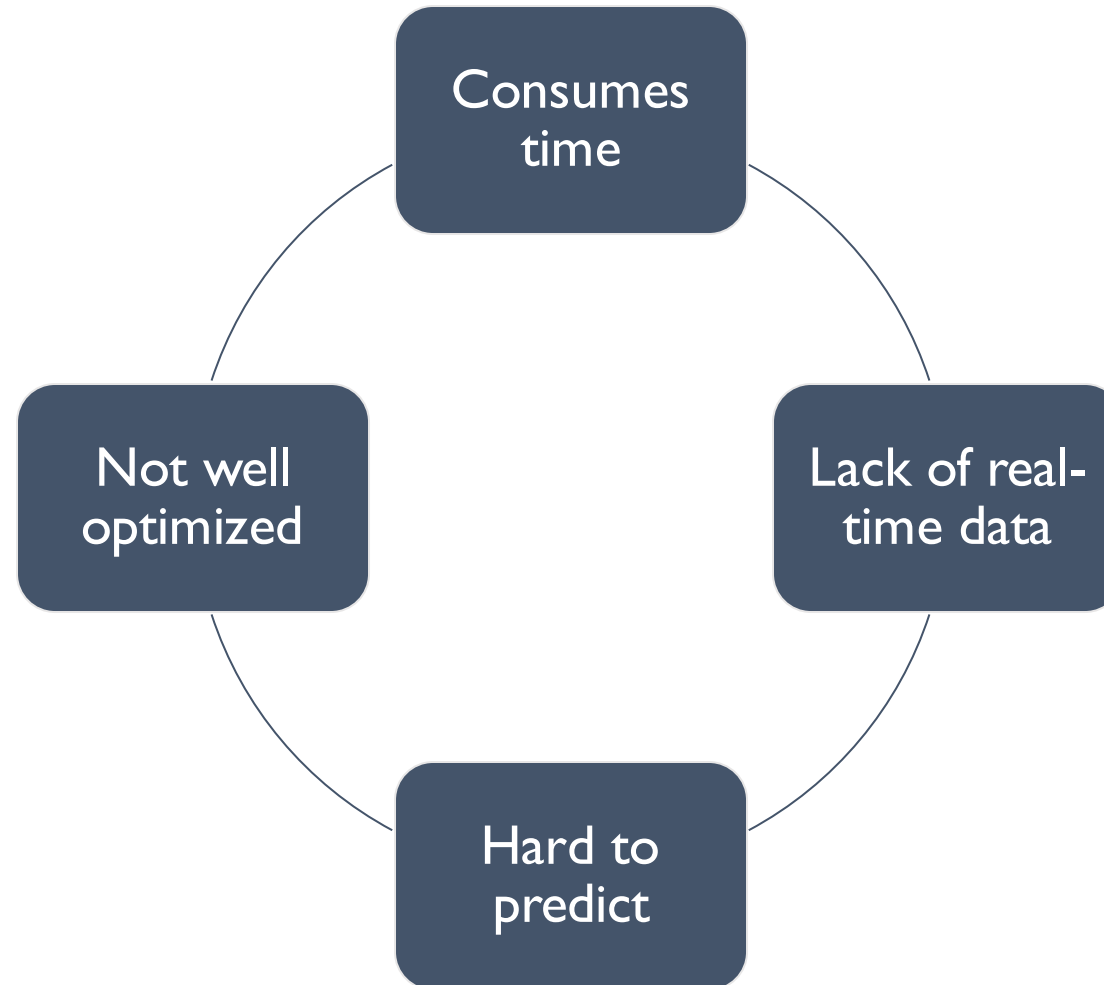


SimPark

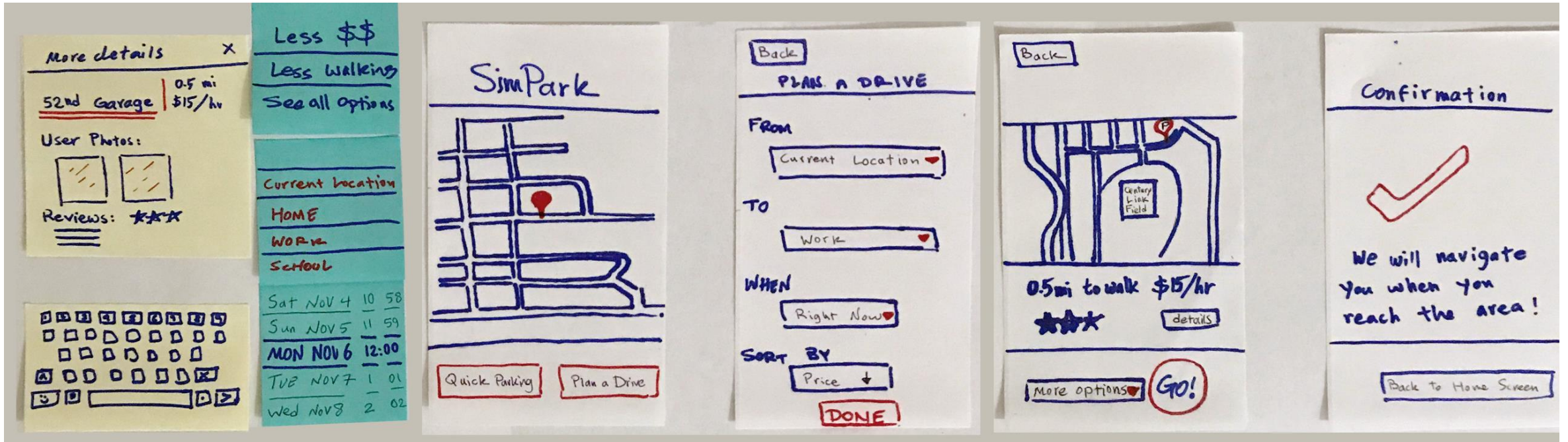
Parking Made Simple

Kathryn Chan | Sepehr Hakami | Adilene Pulgarin | Umang Sehgal

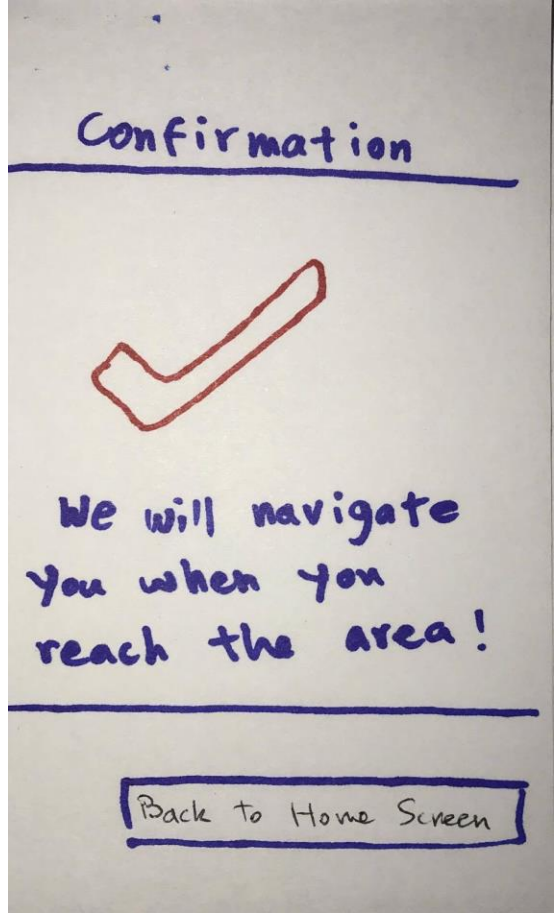
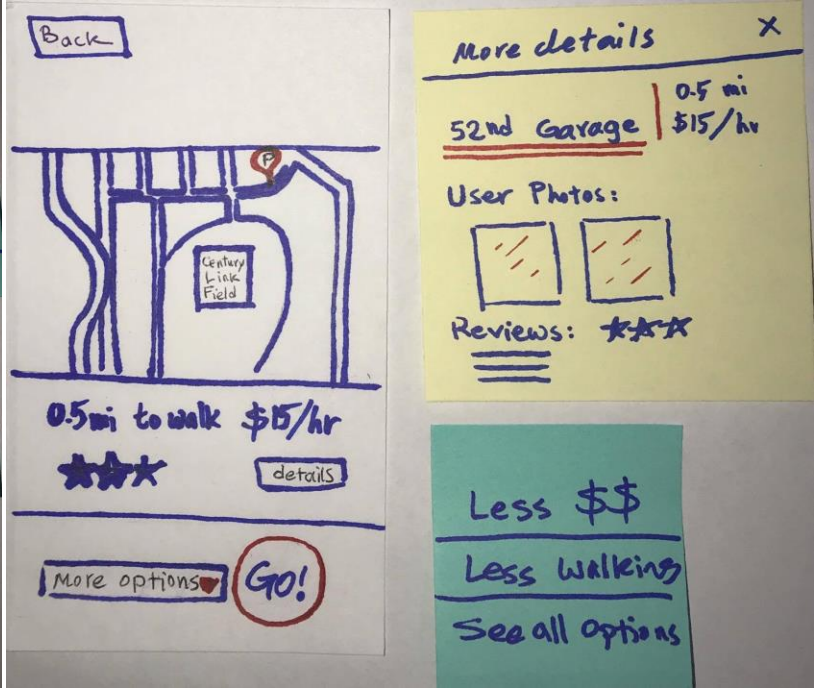
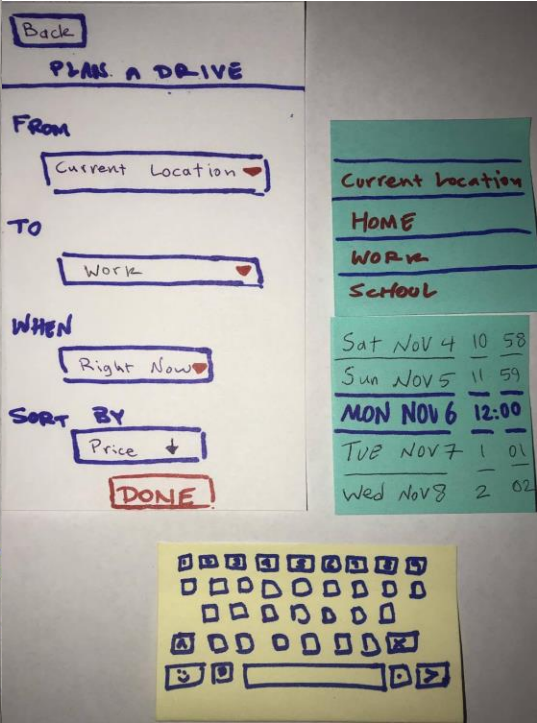
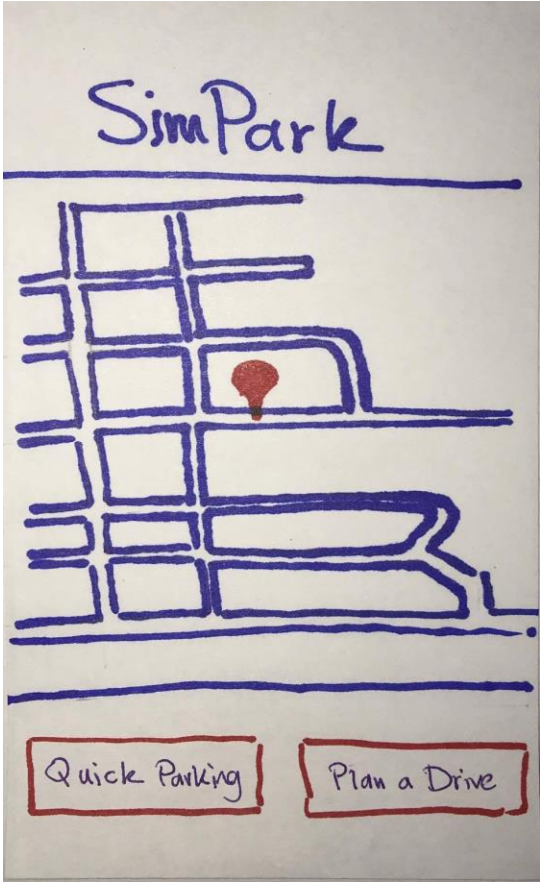
The Problem



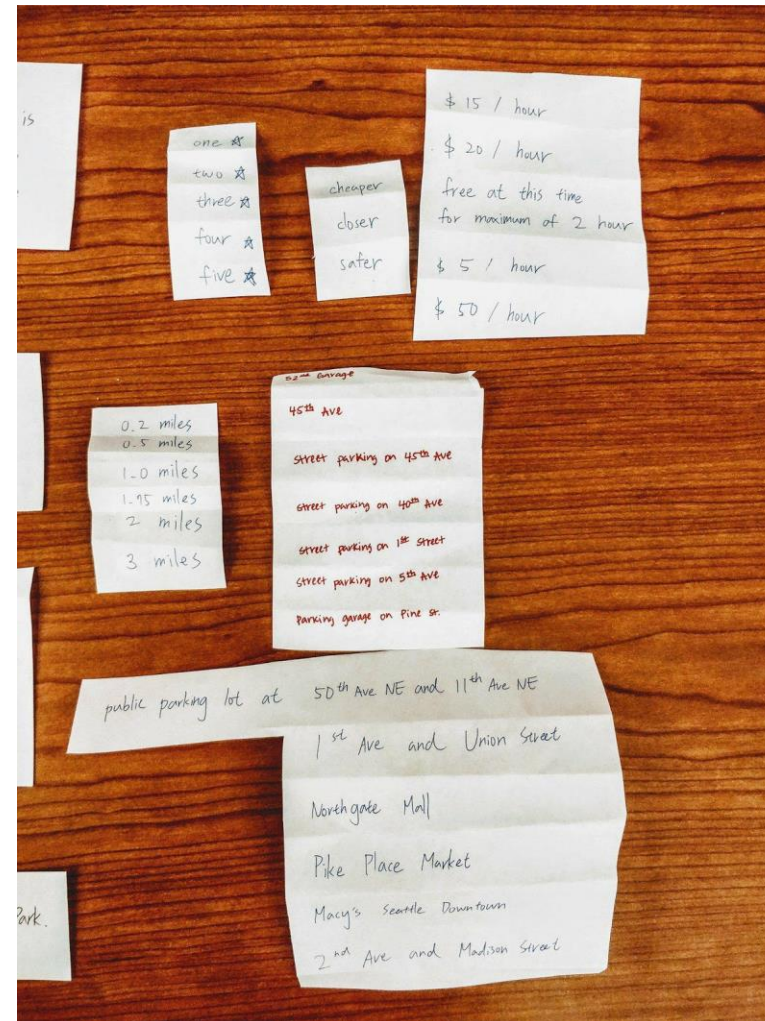
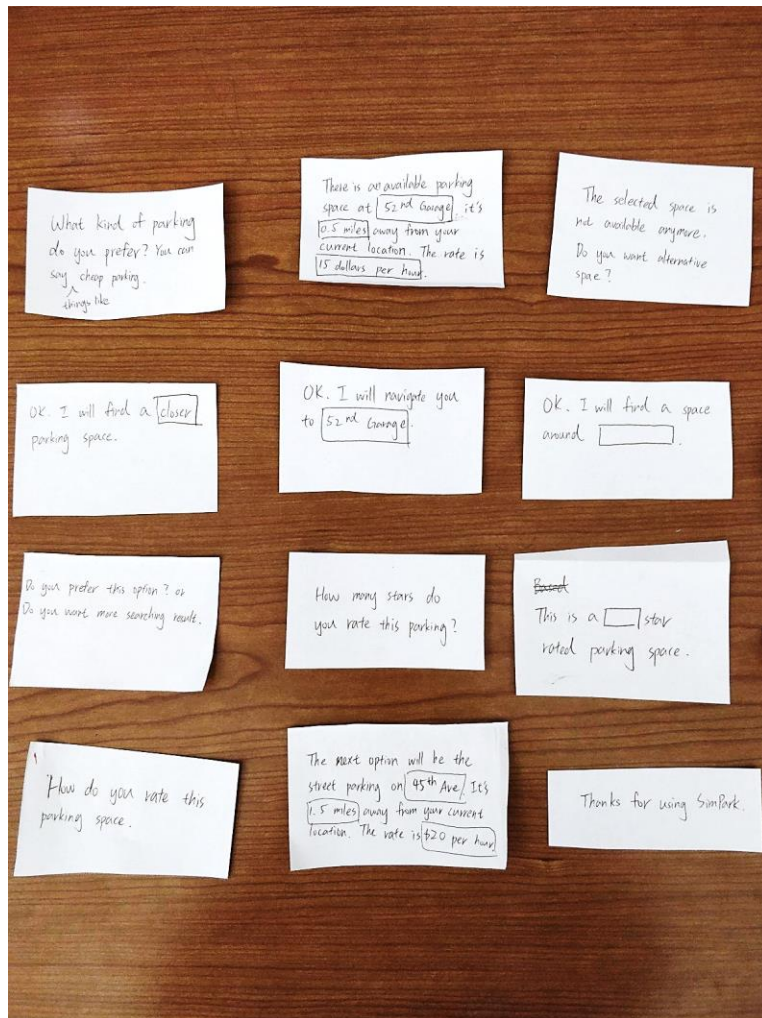
Initial Paper Prototype



Walkthrough: Initial Prototype



Initial Prototype: Voice



Initial Prototype: Voice

Do you prefer this option? or
Do you want more searching results.

There is an available parking
space at 52nd Garage, it's
0.5 miles away from your
current location. The rate is
15 dollars per hour.

What kind of parking
do you prefer? You can
say cheap parking.
↑
things like

The next option will be the
street parking on 45th Ave. It's
1.0 miles away from your current
location. The rate is \$20 per hour.

Initial Prototype: Voice

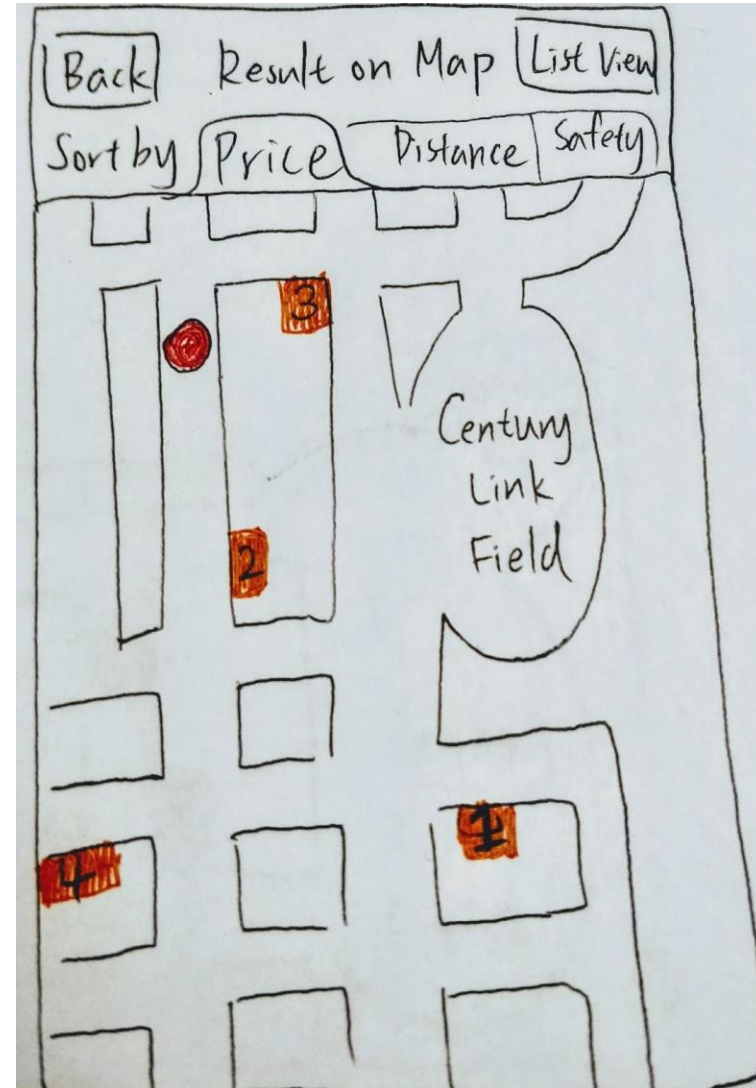
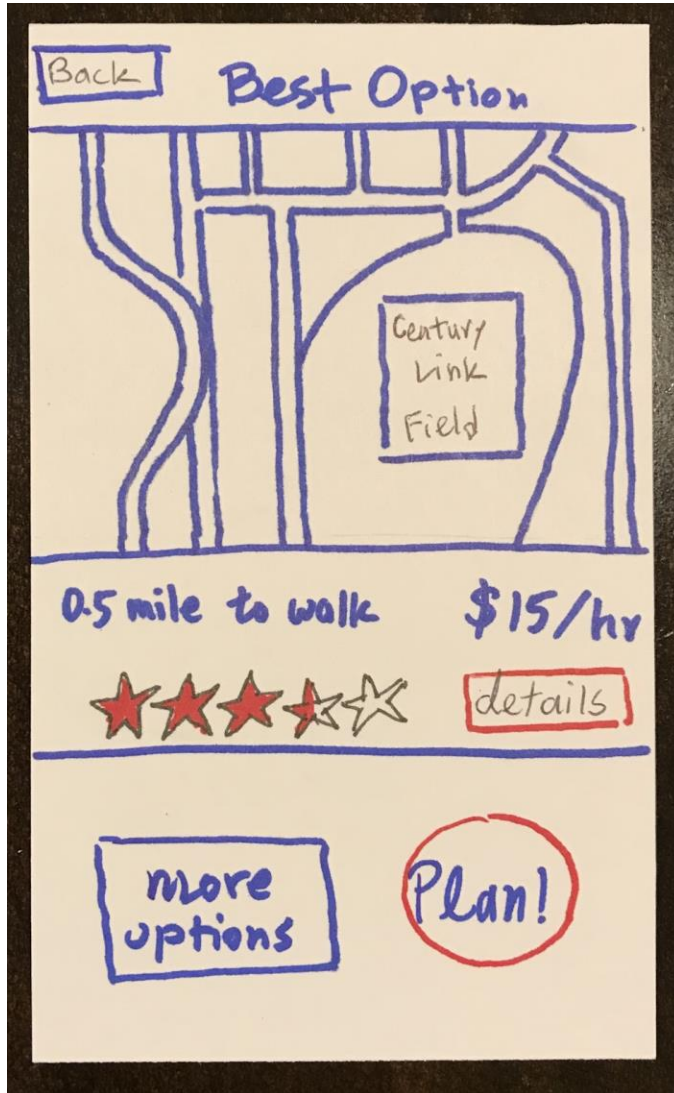
1
How do you rate this parking space.

OK. I will navigate you
to 45th Ave

Do you prefer this option? or
Do you want more searching result.

Thanks for using SimPark.

Heuristic Evaluation: Recognition Better Than Recall



Heuristic Evaluation: User Control And Freedom

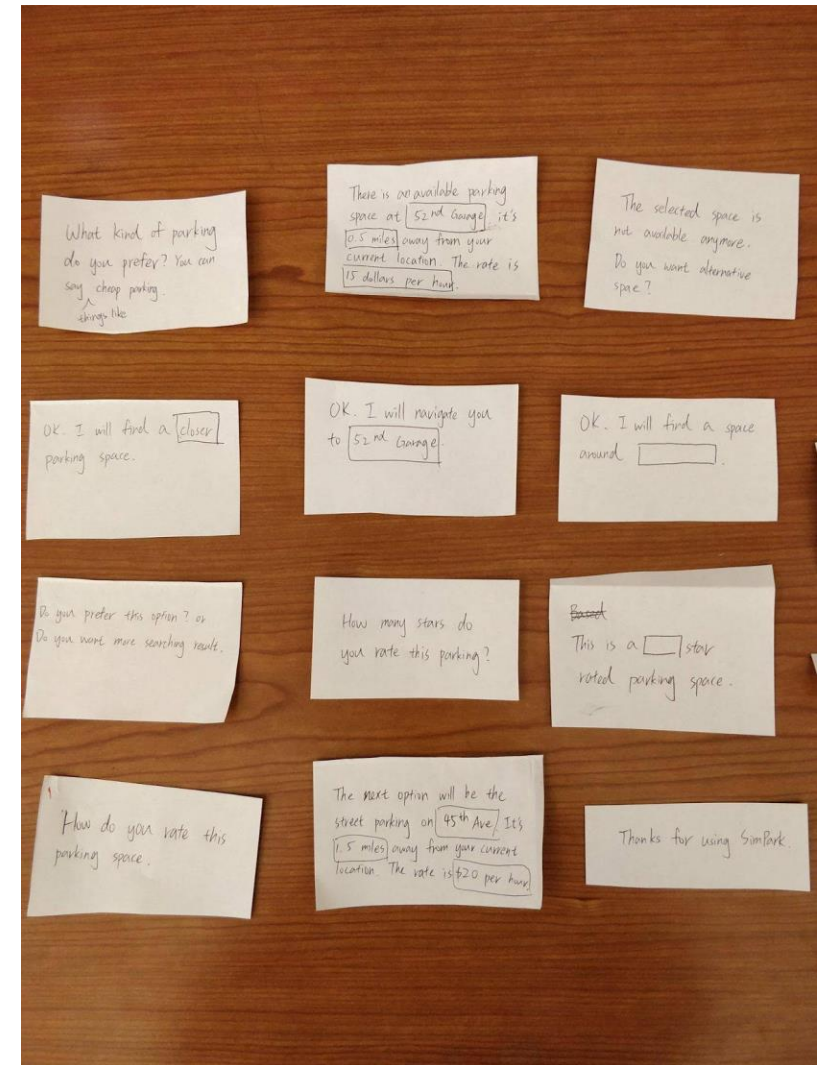
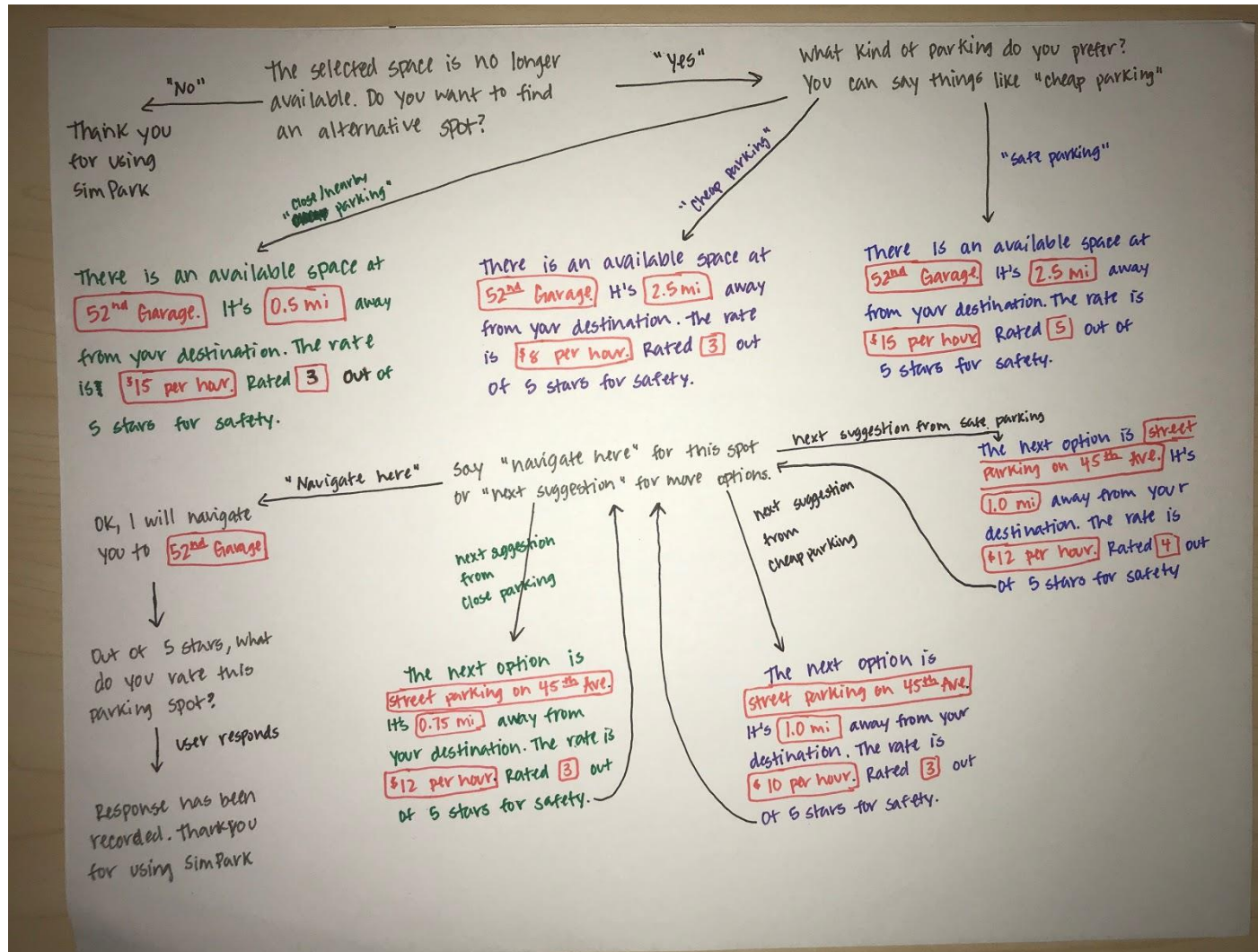
Planned Drives

11 / 20 6pm
Century Link Field
52nd Garage

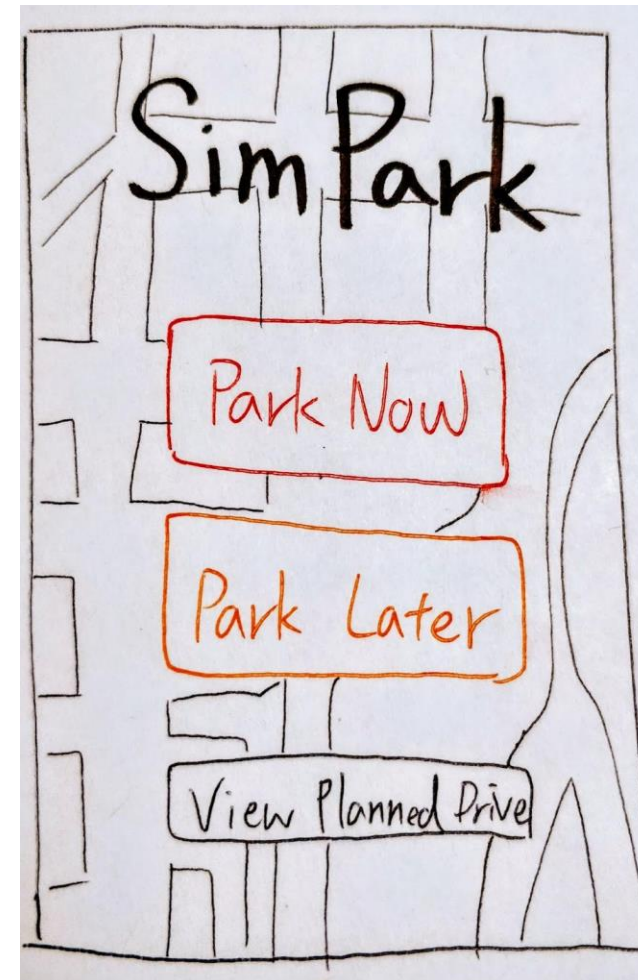
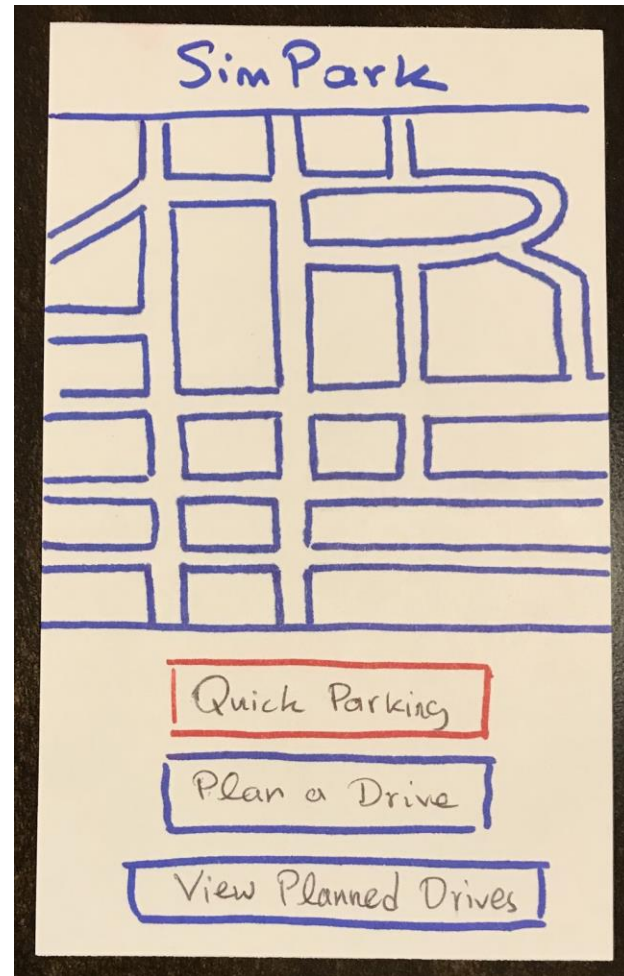
Planned Drive Details X

Date
Time
Dest.
Park

HE/UT: Voice Interface -- Flow Diagram



First Usability Test: Wording



First Usability Test: Wording

Plan A Drive

FROM

TO

ARRIVE AT

SORT BY

PLAN. A DRIVE

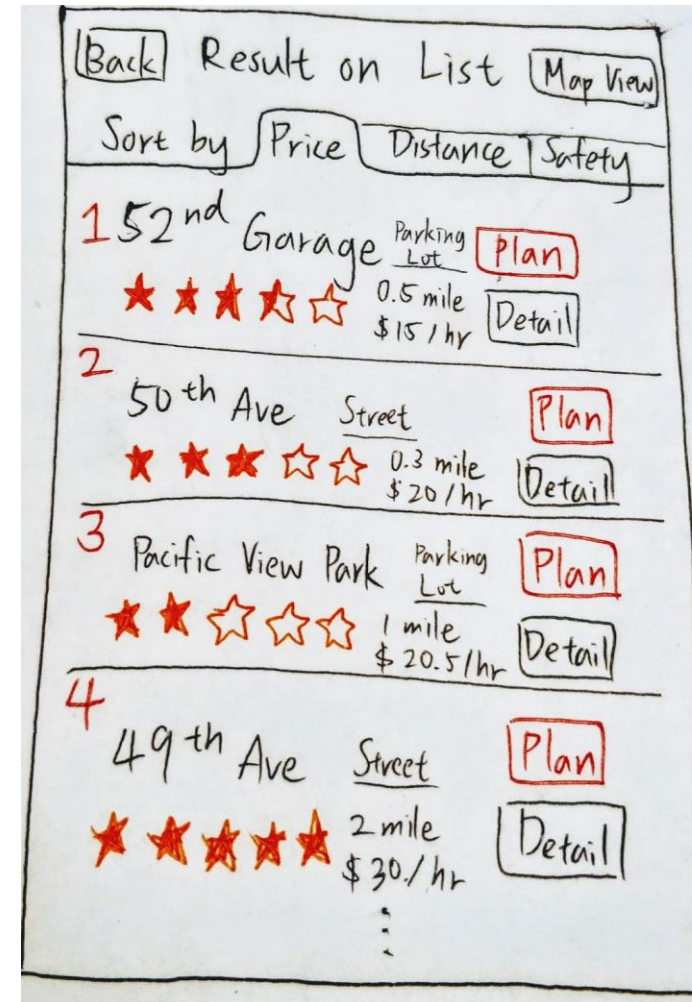
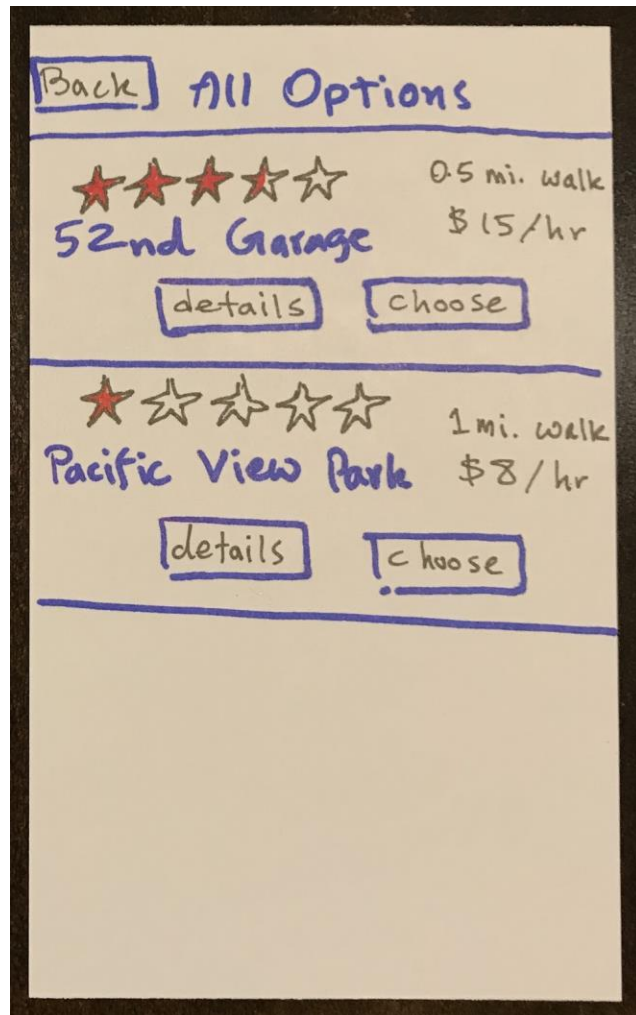
FROM

TO

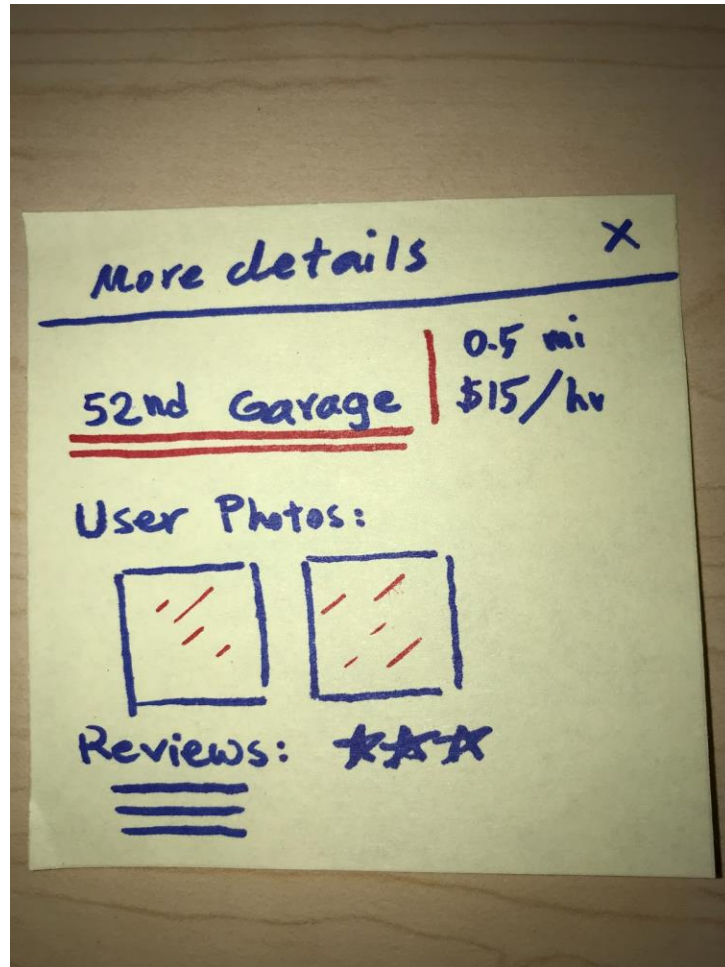
WHEN

SORT BY

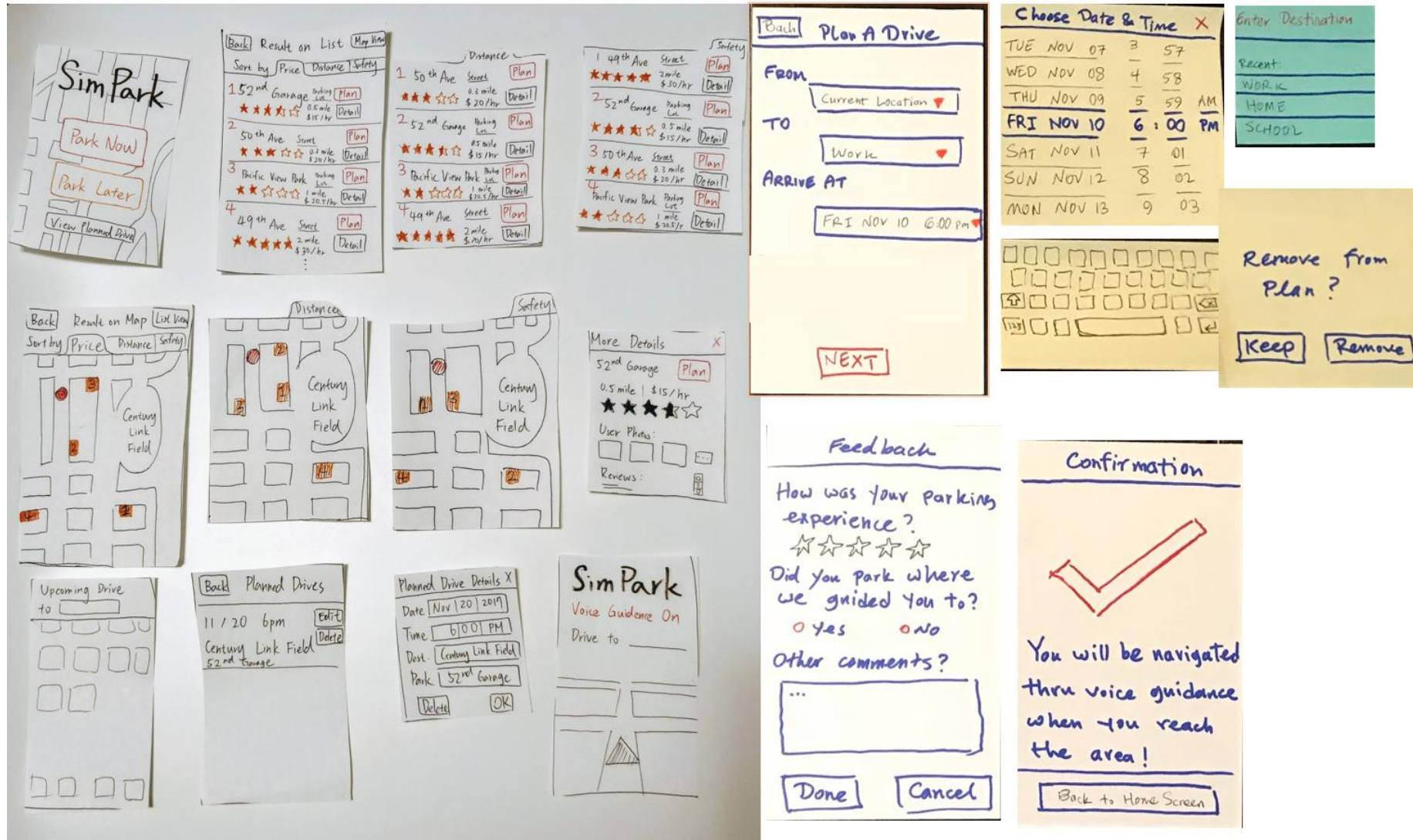
Second & Third Usability Tests: Tab Views



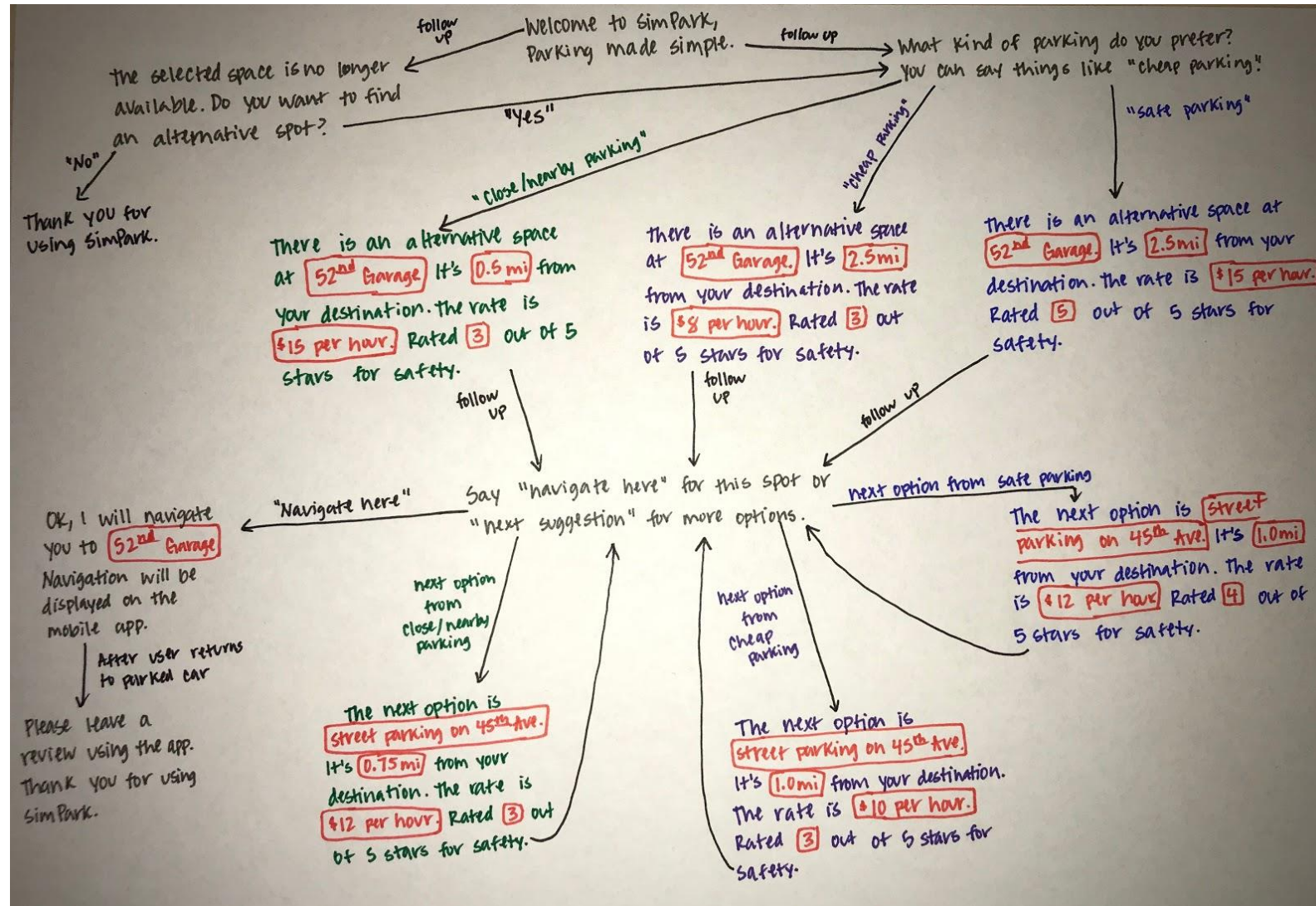
Second & Third Usability Tests: Ambiguity



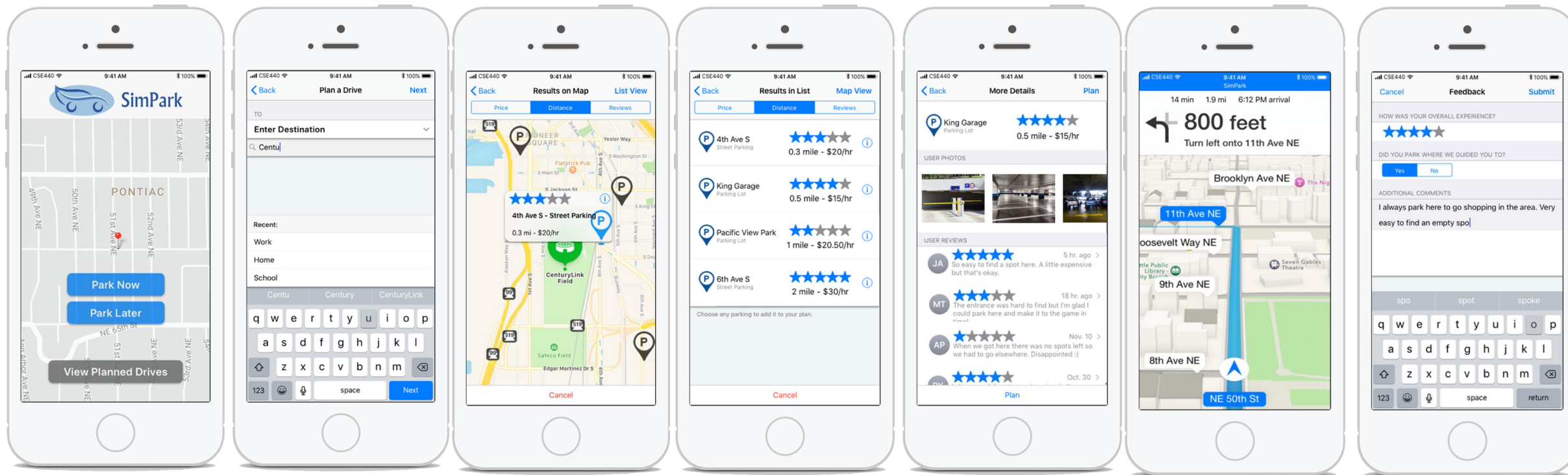
Final Paper Prototype: Mobile App



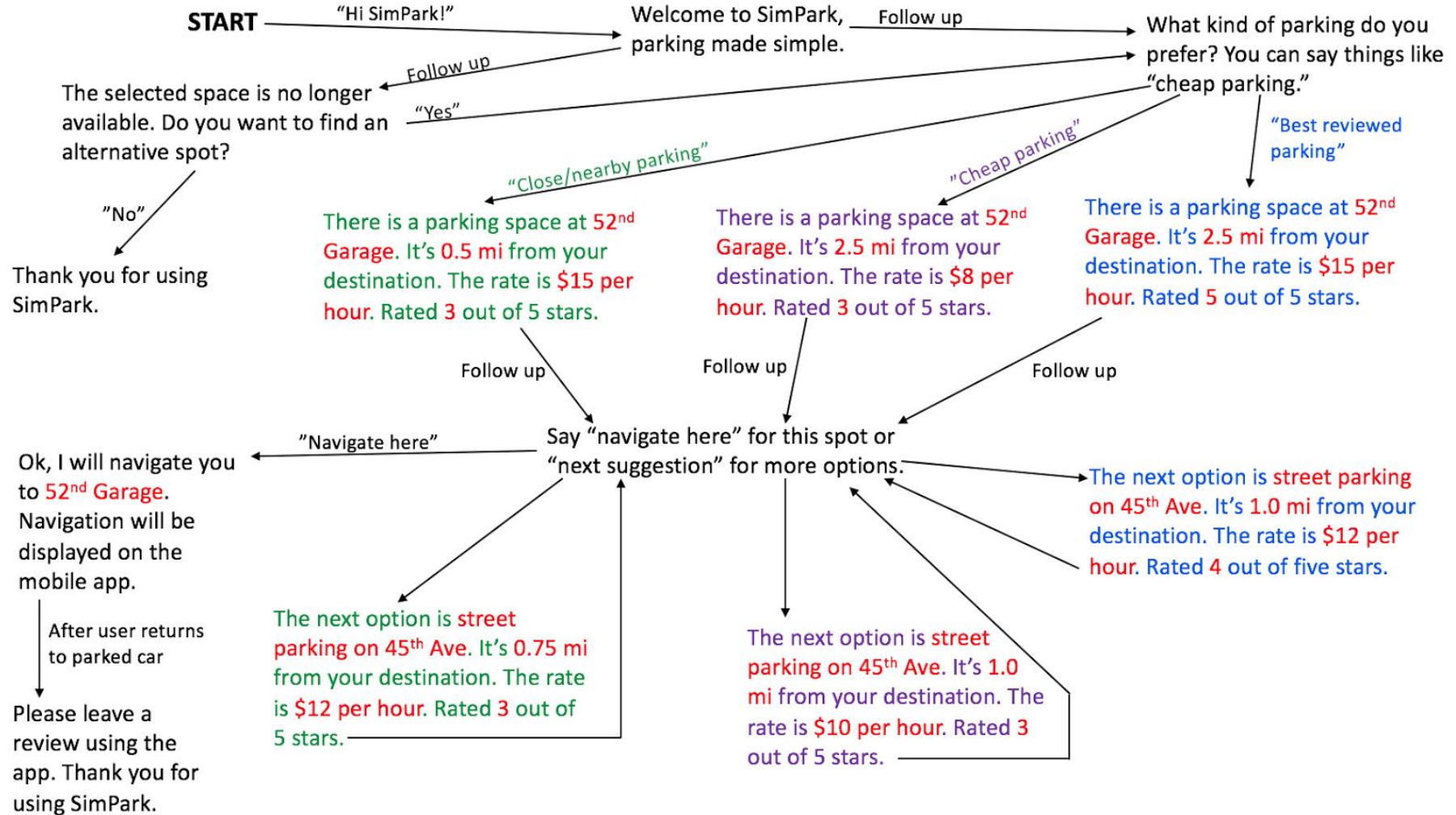
Final Paper Prototype: Voice



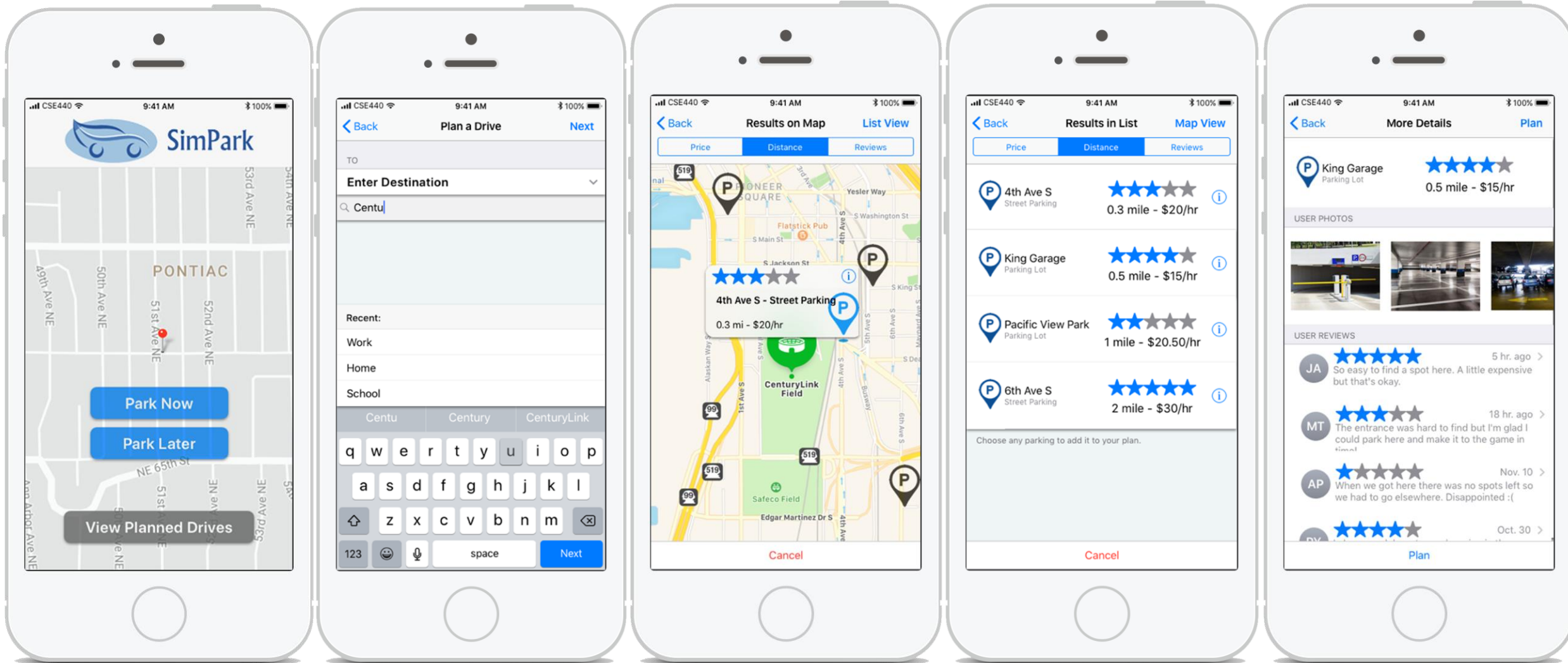
Digital Mockup: Overview



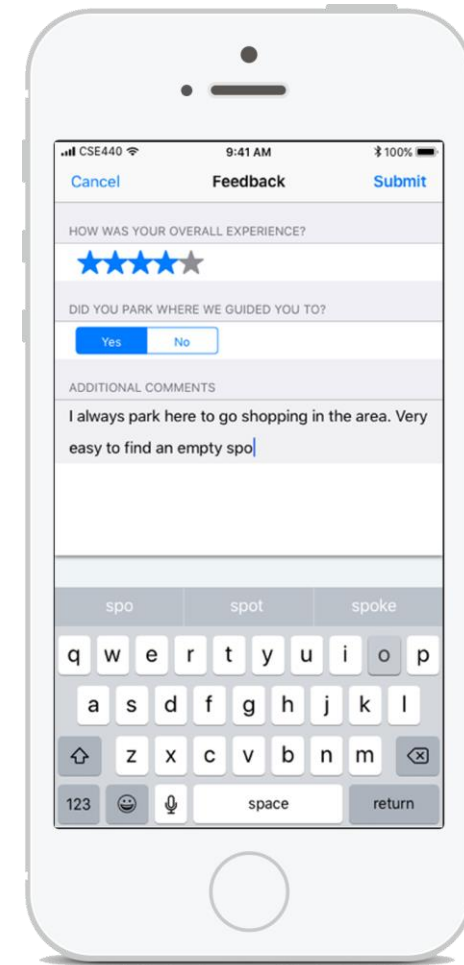
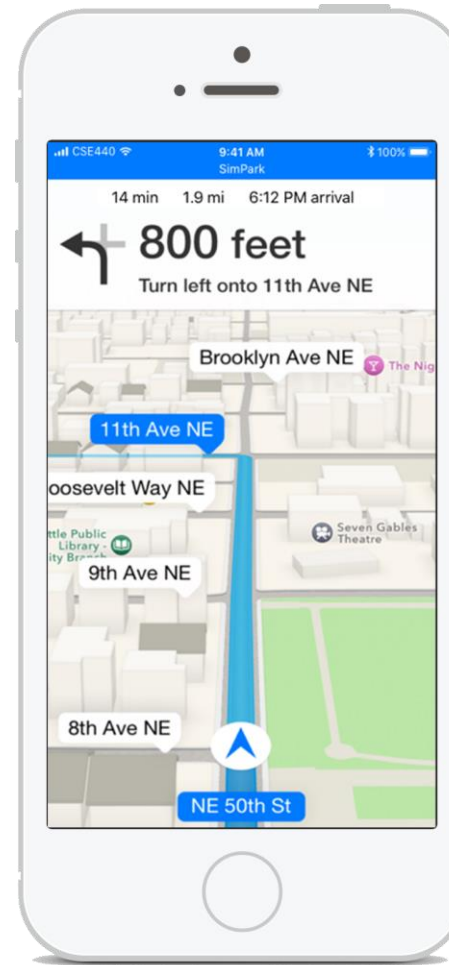
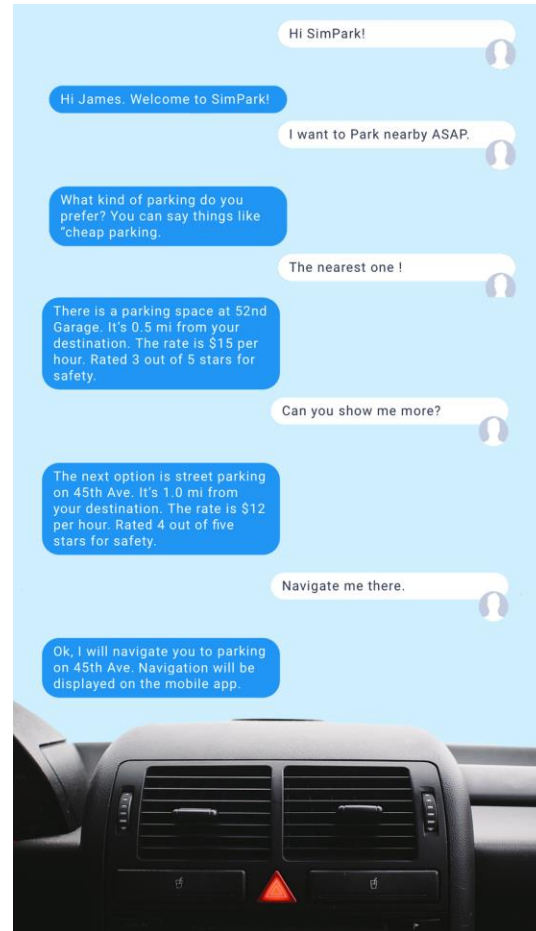
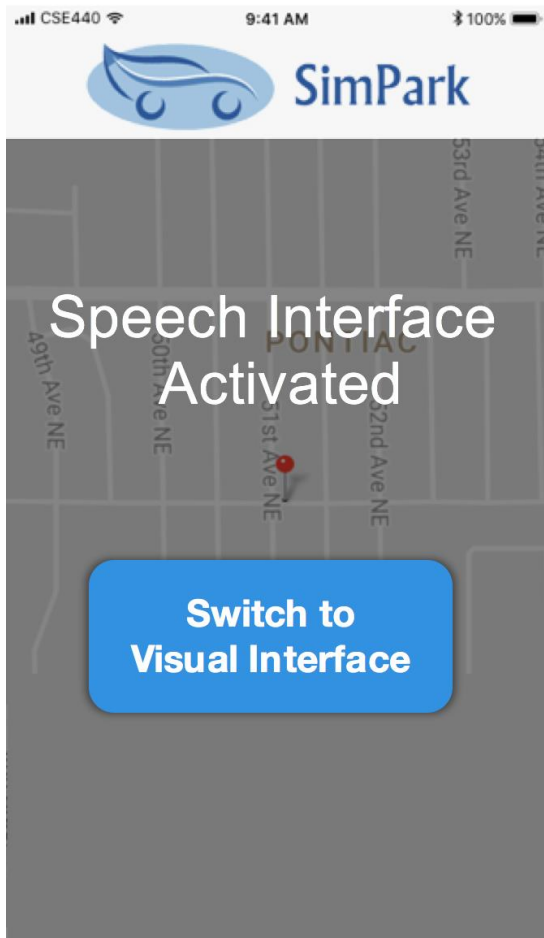
Digital Mockup: Overview



Digital Mockup: Task 1



Digital Mockup: Task 2



Summary

- Initial design will change throughout the testing process
- Perspectives from other designers and potential users are important
- Do not assume what is best for a user, give them options
- Lay importance on creating entries over customization of entries



SimPark

Thank You