SimPark - 3e: DIGITAL MOCKUP
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DESIGN OVERVIEW:

Mobile Application:
Speech Interface (Flowchart with scripted sentences):

START — "Hi SimPark!"

Welcome to SimPark, parking made simple.

Follow up — What kind of parking do you prefer? You can say things like "cheap parking."

"Yes" — "Close/nearby parking"

"No"

Thank you for using SimPark.

The selected space is no longer available. Do you want to find an alternative spot?

Ok, I will navigate you to 52nd Garage. Navigation will be displayed on the mobile app.

After user returns to parked car

Please leave a review using the app. Thank you for using SimPark.

"Navigate here"

Say "navigate here" for this spot or "next suggestion" for more options.

The next option is street parking on 45th Ave. It's 0.75 mi from your destination. The rate is $12 per hour. Rated 3 out of 5 stars.

The next option is street parking on 45th Ave. It's 1.0 mi from your destination. The rate is $10 per hour. Rated 3 out of 5 stars.

There is a parking space at 52nd Garage. It's 0.5 mi from your destination. The rate is $15 per hour. Rated 3 out of 5 stars.

There is a parking space at 52nd Garage. It's 2.5 mi from your destination. The rate is $8 per hour. Rated 3 out of 5 stars.

There is a parking space at 52nd Garage. It's 2.5 mi from your destination. The rate is $15 per hour. Rated 5 out of 5 stars.

The next option is street parking on 45th Ave. It's 1.0 mi from your destination. The rate is $12 per hour. Rated 4 out of five stars.
**TASKS**

Task 1: Planning where to park prior to the event.

<table>
<thead>
<tr>
<th>SCREEN</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td><img src="image" alt="SimPark app screenshot" /></td>
<td>The participant launches the SimPark app. He/she then decides among three options available to them from finding an immediate parking, parking later or viewing planned drives.</td>
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</tbody>
</table>

On selecting the “View Planned Drives” option, the participant is able to view/edit the drives that have been planned before.
On selecting the “Plan Drive” button, the participant is shown the most commonly visited destinations from his usage during his event of typing the desired parking destination.

The participant's inputs are then recorded and he/she gets to review them before moving to the next screen.
The participant is shown available parking spots at the selected location and time/date.
Following information is available for him/her to select before moving forward with the selected drive:
- Rating
- Price
- Distance
- Further details

The participant sees a geographical display of the selected parking location. Other suggested parkings are displayed in black icons while the one currently being viewed is in blue.
When the participant clicks on the “More Details” button, further information is displayed including photos and reviews for the selected spot.

The participant is reminded via a notification to leave at a particular time in order to get to their destination on time.
On exiting the parking spot and on re-launching the app, the participant is suggested to provide feedback of their experience.

I always park here to go shopping in the area. Very easy to find an empty spot.
Task 2: Finding where to park when in the destination area.

The participant is guided through voice commands when he/she clicks on the “Park Now” at the start of the app. There is no further touch interaction with the app thereafter.

The participant is also prompted through a voice interactions when he/she is near the destination through voice commands and interactions.
Once the participant has been guided through the speech interface, he/she is navigated to the requested parking spot.

On exiting the parking spot and on re-launching the app, the participant is suggested to provide feedback on their experience.
<table>
<thead>
<tr>
<th>CHANGES</th>
<th>BEFORE</th>
<th>AFTER</th>
<th>RATIONALE</th>
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<tbody>
<tr>
<td>We decided to change the filter by “Safety” to filtering by “Review.” We found that the star rating was too ambiguous in representing safety. It is also more common to see stars representing overall rating not just one particular aspect.</td>
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<td>Rather than having a pop-up window with all the details shown, we felt it was better to display all the details on a completely new screen. This makes it easier for the user to scroll through the reviews while viewing all the general information.</td>
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</tbody>
</table>
When entering a new location in the “To” field and the “From” field, we decided that it would be best to do this in a new screen. This is easier for the user to look at as it is more organized and avoids accidentally clicking outside the designated fields.