Parking Specification

Following the user activating the Active Park Assist, they are prompted to select the type of parking spot they are searching for (parallel or perpendicular). Additionally, the driver must specify what side of the vehicle they want to find a parking spot on (left or right). Each of these screens allow the driver to abort APA, and on the direction screen, the user is also allowed to go back to edit parking type.
Searching for parking spot

This prototype displays the scenario when the APA system starts searching for an available parking space for the car, depending on the preference made by the driver.

Two possible outcomes:

Success & Fail
Verify Parking Space

Once a parking spot matching the User's specification is found, APA prompts the user for the action it will follow to park in that space. Presented elements are the path APA will take to park in that spot, and buttons for accept, reject, and cancel. Reject will send the user to the searching scene. Cancel will turn the system off. To the right are possible scenarios for parallel parking.
Parking

Active Park Assist will proceed with the parking procedure, actively searching for unexpected obstacles.

The Screen will display the current step in the three-step parking procedure.
Obstacle

When APA is parking the car, and an obstacle is detected in the path the car is planning on taking, APA will alert the driver and pause. The driver now has the ability to resume APA (presuming they will be able to tell that the obstacle has moved) or the driver can abort APA. If driver resumes APA parking after an obstacle is found and the obstacle is still detected by APA, then APA will abort the park and give the control back to the driver.