The main feature of the app is being able to see available spots in a parking lot. These update in real time and tell the user the last time the spots were updated.

A user can tap on one of the spots to get more info about them

Would you like to reserve **spot 3C** in **Lot A**?

✓ ✗

Once reserved, you will have 2 hours to park in the spot

People can click on a spot and reserve it as a parking space. A confirmation screen will confirm to the user the location of the parking spot and which lot it is in. Once the user confirms the reservation, they will have 2 hours to park in the spot and confirm that they are there. If the parking space is empty after those 2 hours are up, the reservation is cancelled.

This spot has already been reserved or taken. Would you like to queue for the spot?

3 other users have already queued for this spot

Est. wait time: 45 min

Spot 4A Lot B

Reserving a taken spot will take users to a confirmation screen asking if they would like to queue for the spot once it opens. This screen will also show the amount of users also queuing for this spot, and the estimated wait time until the spot opens up.

Lot A

7 Spaces Free

Lot B

20 Spaces Free

Lot C

17 Spaces Free

Lot D

40 Spaces Free

The Main Menu of the of the app. It contains the names of parking lots and how many spaces are free. Tapping on a lot will open its map. Scrolling-down/Swiping-Up will reveal more lots and a button for a campus map.
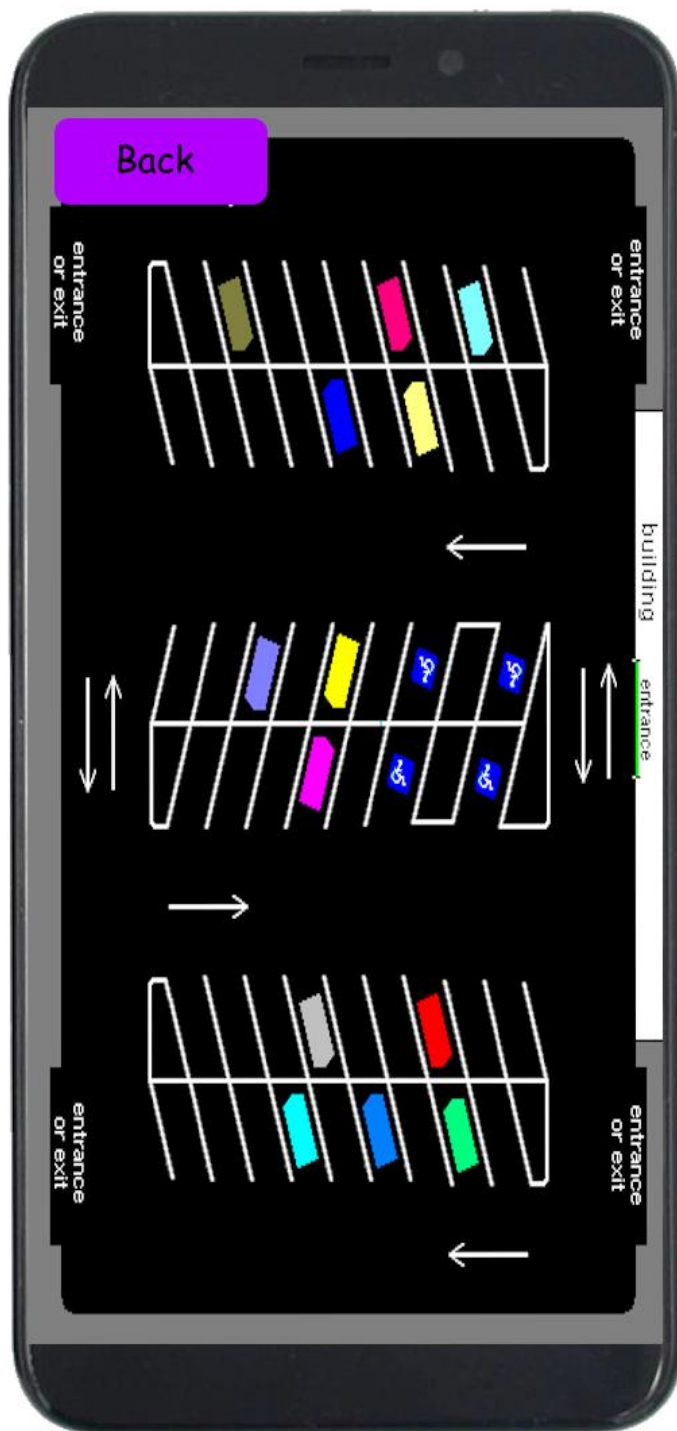
Parking lot map showing which spots are taken and available.
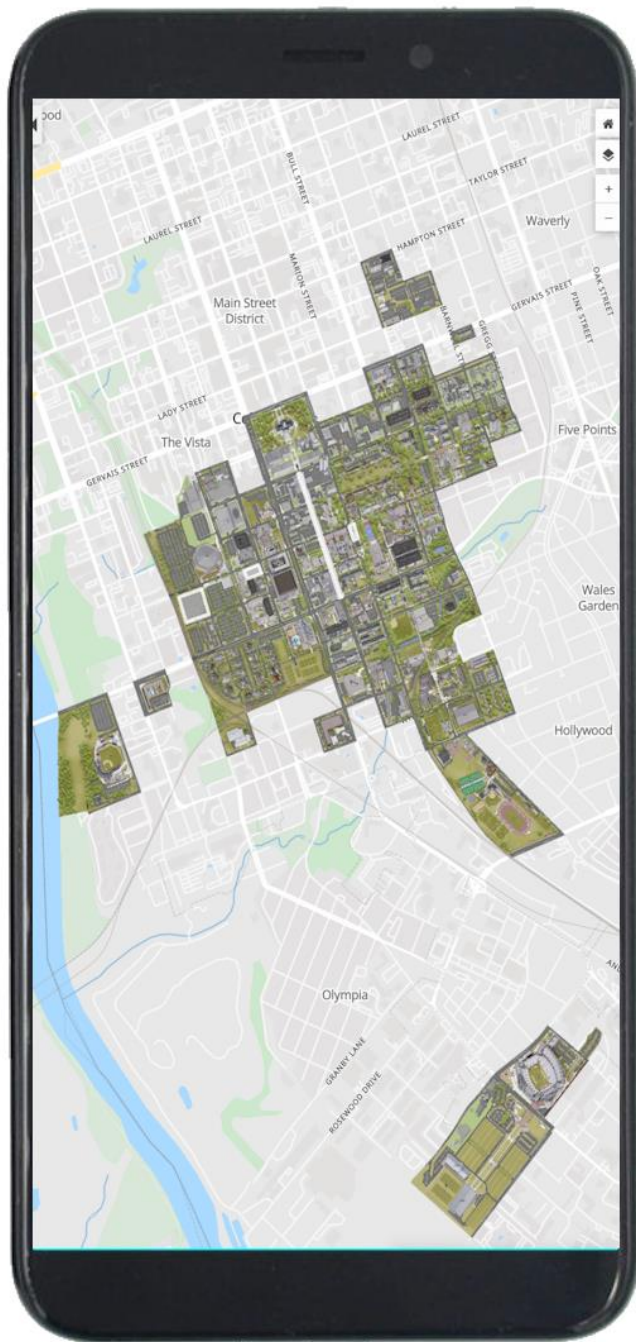
Campus map to help navigate from parking lot to building.

Get Parking
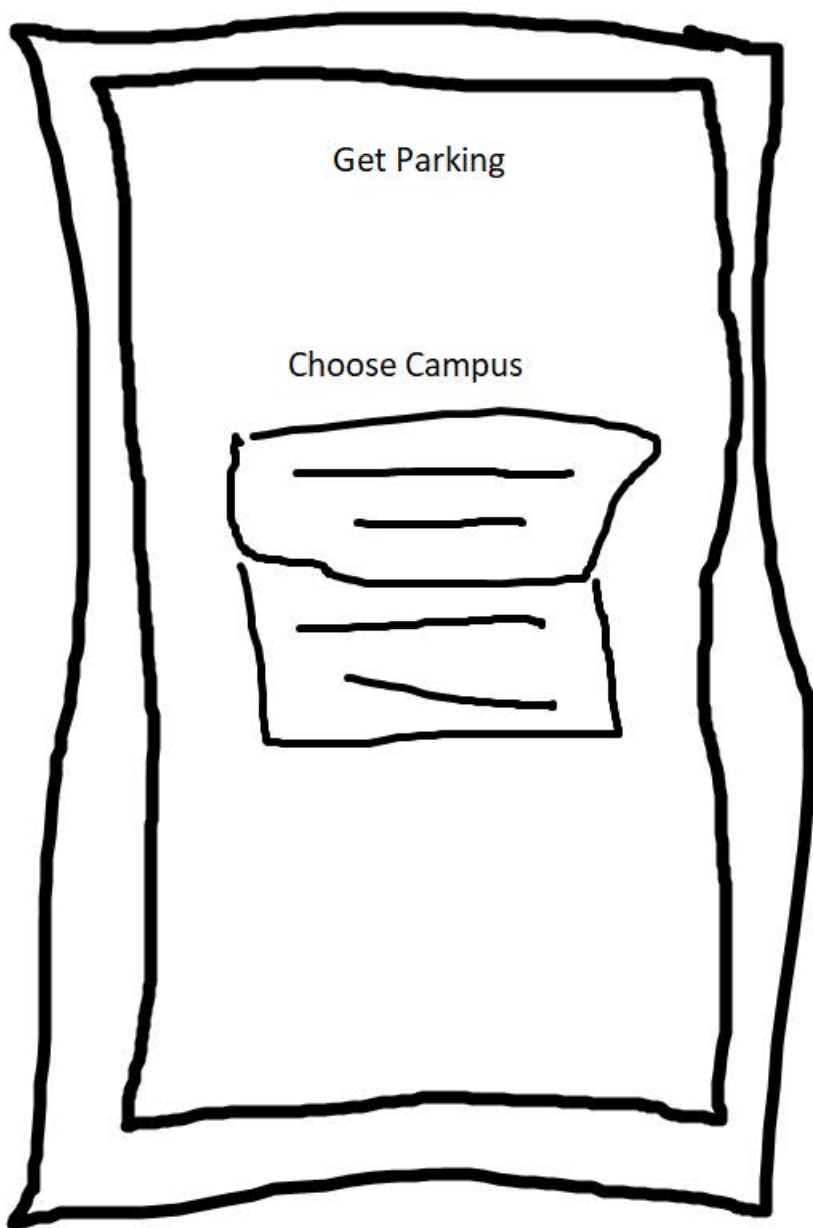
Choose Campus

When you first start up the app it will ask you which campus you would like to find parking at. Once you choose a campus more options will become available, like choosing which parking lot on that specific campus.
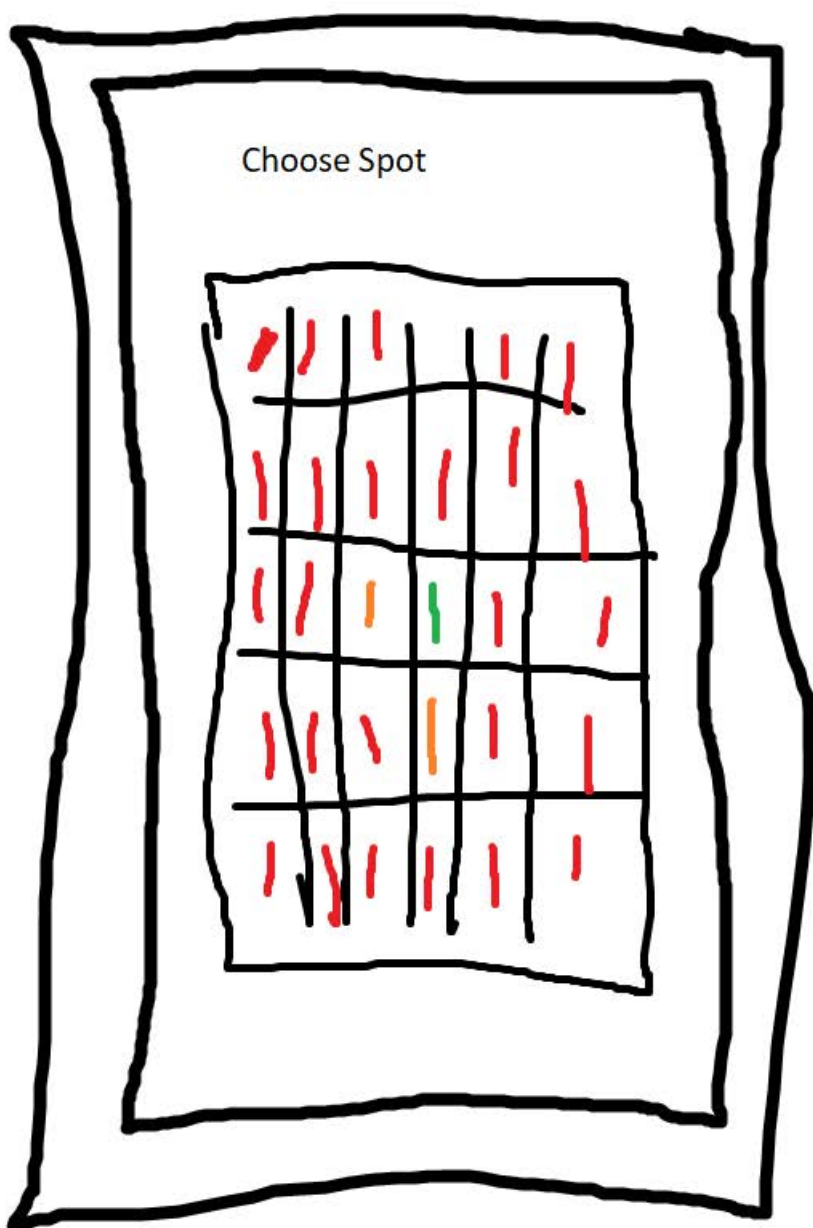
Choose Spot

Once you choose a parking lot, a screen will pop up that will show you all the spots in that lot. Red spots mean occupied, yellow mean reserved, and green spots mean they are free. You can select the spots for more info.

Spot A12
Lot 1
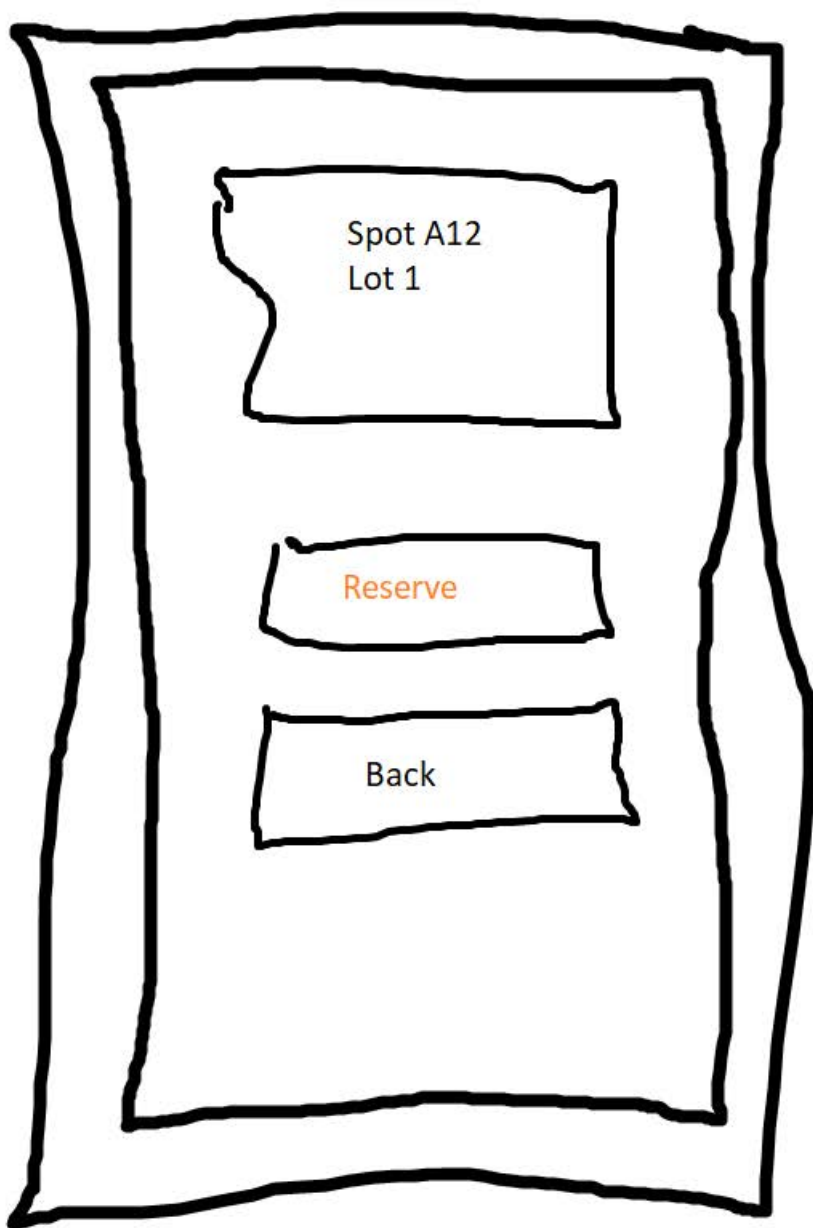
Reserve

Back

Once you tap into a spot, you will be given the spot information and the ability to reserve this particular spot. You can either reserve a spot or go back to the overview of the lot.

proto.io

Student Parking App

sherry begay

3

screens

21:41

University of South Carolina

Student Parking Application

Monday 13th November 2023 21:41

New User

Login

Maps:

Driver tips:

This is the first image a user will see. They will find the school, see the date. If it's a new user they can click new user and login. The maps icon will be there to ensure maps in hooked up to the app(it will be automatic). Then a helpful tip for student drivers.

21:41

parking Spots Avaiable

Lot S

Avaiable in 8 mins

Lot B

Favorite lot

Lot S
#346

AAvailable in 34 mins

Lot B
#890

Lot C

Lot S

| Tab 1 | Tab 2 | Tab 3 | Tab 4 | Tab 5 |

This is the time of available parking will open up. The time slots will appear. You just have to select a lot. The top two are for your favorite lots. Once clicked. It will navigate you or take you right away to the ones are available right now.

21:41

‹ 🔍 Lot B # 347   Type something

LOT B #347
Address Line 1, City, 123456

t Allocation Algorithm: Once a spot becomes available, the cation uses an algorithm to determine the next available spot other user. This algorithm could consider factors like proximity ferences, historical usage data, or availability patterns.**User fication:**The application then notifies another user about the bility of a spot and suggests a new location for them to click eserve.**User Confirmation:**The second user confirms the reservation or click on the suggested spot if it meets their ements.**Real-time Updates:**The system continuously update al-time, keeping track of spot availability and notifying users accordingly.