



TOTE

By Mikayla Magee

The Problem:

Due to the Covid-19 pandemic, the structure of education has shifted to virtual learning. Online education has become challenging for parents, students, and teachers alike. How can we make learning during a pandemic a little easier for everyone and foster community during a season of isolation?

Stakeholders:

- Students
- Teachers
- Parents
- Members of the community
- People who have time on their hands
- Those who have resources/ access to resources
- Those who are passionate about catering to the youth

Needs statements:

The community needs

a way to feel useful and fulfill their goals to give back

a way to refer to resources

a way to help and connect with someone in need so that they can feel like they're making a difference.

to know where they are needed

a way to empathize with the community so that they can find out what needs they can offer

a way to network with people outside of their class bubble to find those in need.

The student needs

resources that will help them achieve their goals

support during a season of isolation

a way to feel a sense of community so that they can feel like they matter/belong

a sense of control over their current situation

an easy way to save money

a way to socialize in person safely, or in a digital manner that feels similar so that they feel a human connection

something to ground them



Laura

- Parent
- Works at a department store

Says

“I can’t tutor my kids and work at the same time.”

“How am I going to pay rent?”

“I hope I don’t lose my job.”

Feels

- Worried about whether her job is sufficient enough to take care of the needs of her family
- worried about the education of her kids
- Wants a break

Thinks

- I can't afford the things my daughter needs for class right now

- Notices that her kids are not engaged in zoom class

- What options do I have?

Does

- Works a 9-5 job
- Tries to help her kids with school homework after school
- Reaches out to extended family often



Howard

- Former teacher
- Leader at Local Non profit Organization
- Loves to give back to the community

Says

“This pandemic is something else.”

“I miss teaching”

“How can I help?”

Feels

- Empathizes with current teachers and students
- Has hope for the youth
- Is worried about the health of his wife

Thinks

- He needs to cut the lawn
- About his grandchild often
- Things will get better

Does

- Works for a non-profit organization that seeks to educate and mentor troubled students
- Spends lots of time at home
- Spends time in zoom meetings searching for solutions to help the community



Mike

- Senior at Lakeview Centennial High school
- Plans to pursue a career in education as a math teacher
- Has given up on his desire to play football to maintain his health during the pandemic

Says

- “When will this end.”
- “Things will never be the same.”
- “Can’t believe I’m spending my entire senior year behind a computer screen.”
-

Feels

- Discouraged often
- Has lost hope
- Worried for his family
- Not looking forward to graduation

Thinks

- About his future
 - How to help support his parents while their jobs are unstable
 - Quarantine sucks
-

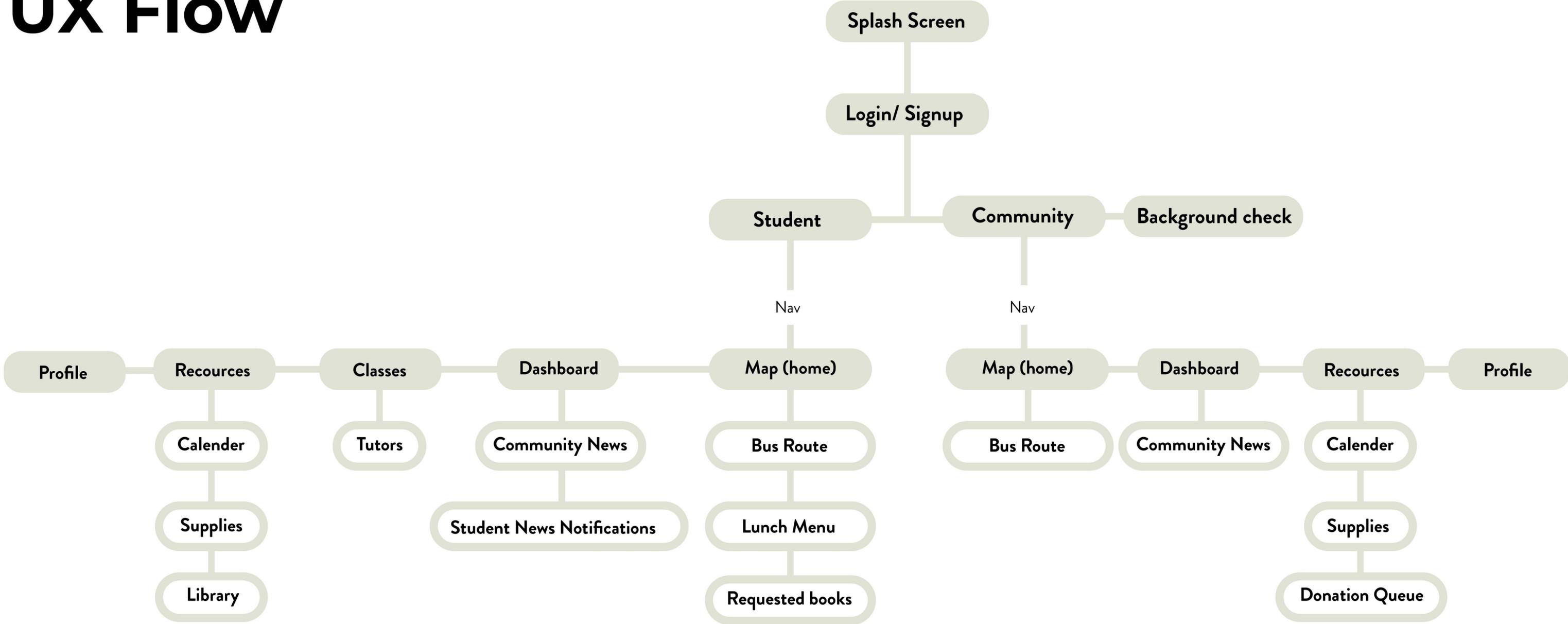
Does

- Plays fortnite and 2k
- Works at golden chick
- Facetime’s his friends often

The Solution:

Tote is an app that brings the joy and ease of traditional schooling to neighborhoods. Since school buses are not being used to transport students to and from school. Tote utilizes the school buses by equipping them with wi-fi, free and reduced-cost meals, books, and school supplies. While also giving the community a chance to get involved by having a forum for school supply donations and the opportunity to tutor youth.

UX Flow



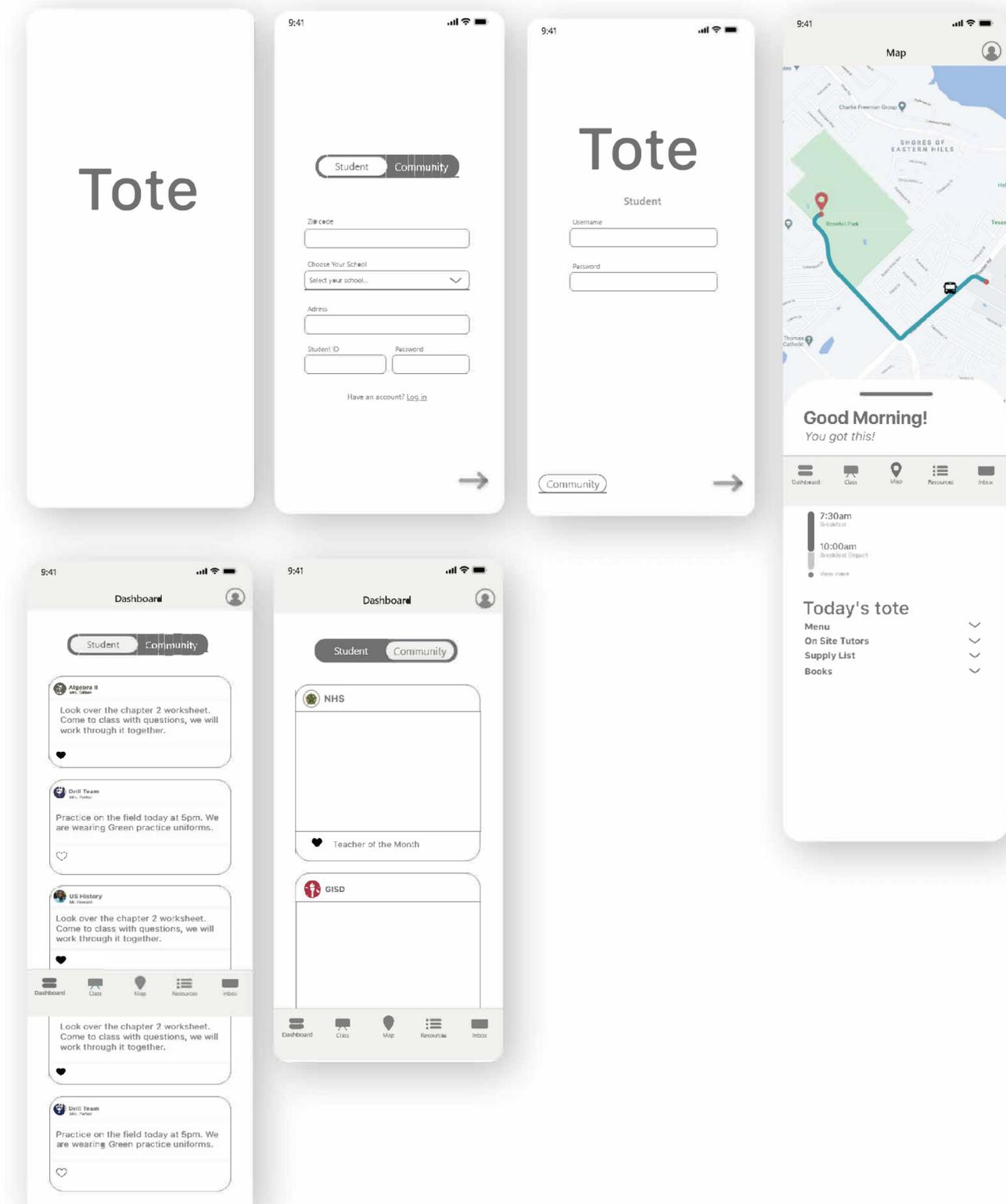
Sign Up & Login

Sign up for students and community users are accessible through the app by simply changing the switch at the top. The screen then opens up to the map. It would automatically pan the route closes to your neighborhood location.

The agenda for the day can be seen by sliding up on the good morning greeting. This is where the breakfast/ lunch Menu can be viewed along with requested books and supplies.

Dashboard

Staying connected to the community is one of the values of Tote. On the apps dashboard students are able to access class notifications as well as notifications from the community sent by the school district as well as other schools in the community.



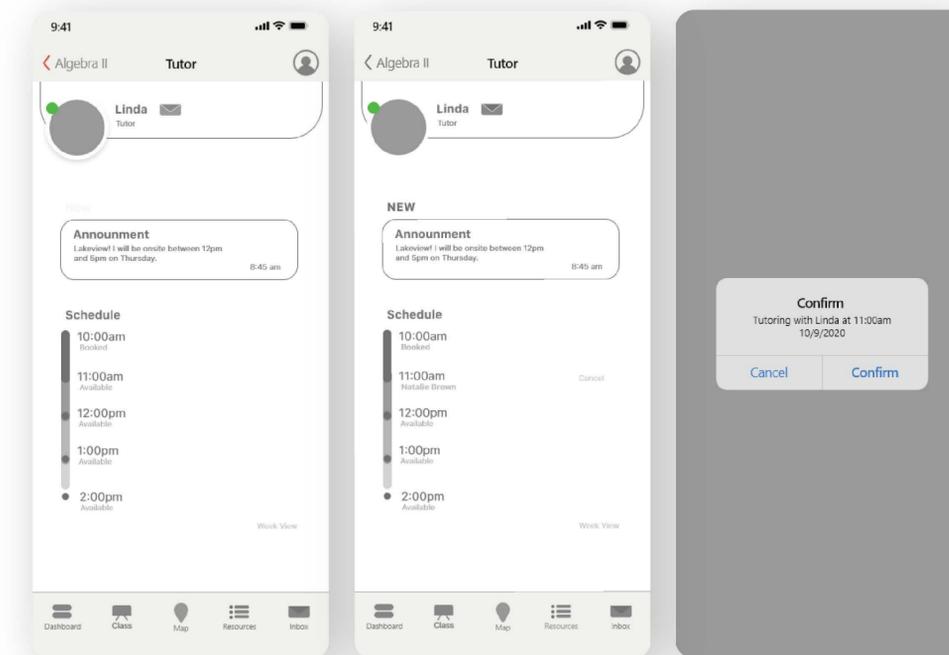
Classes

On these screens students can view their classes and assignments. Also, connecting with teachers can be done easily with the chat feature. Simply click on the mail icon by the teachers name and profile at the top.



Tutor

When the screen is open to a particular class, the availability of tutors are shown. Clicking a tutor allows the student to see announcements and book appointments with the tutor and confirm the appointment.



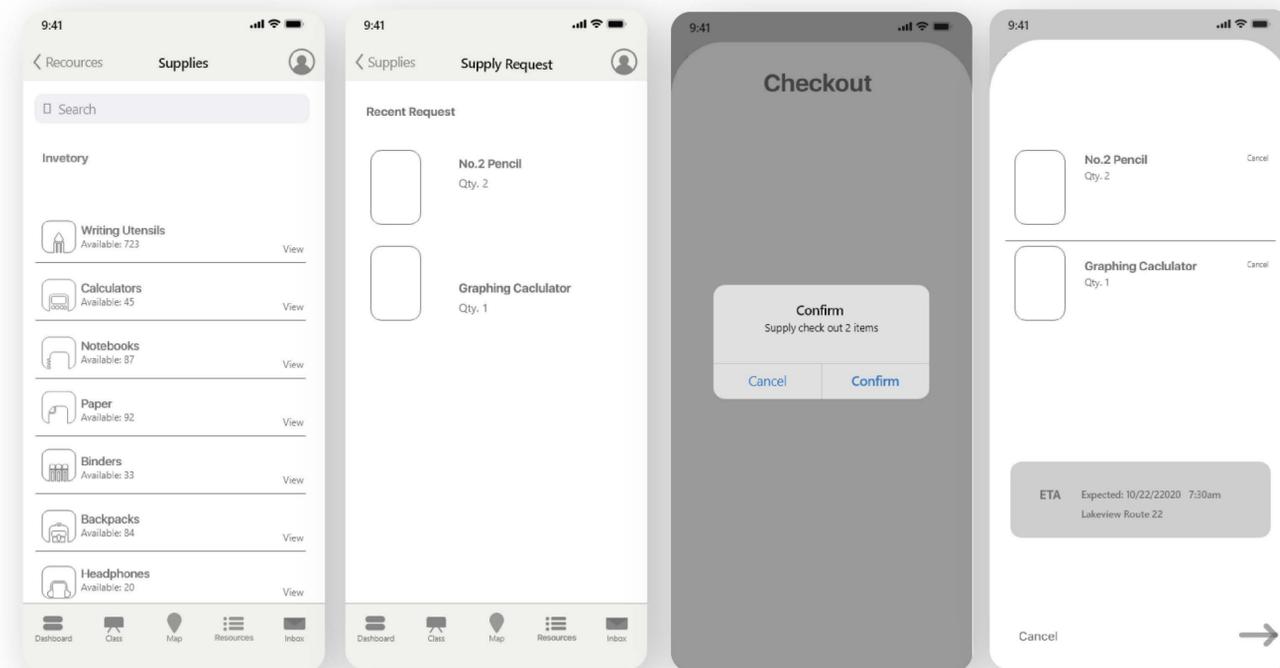
Calendar

Stay organized with the calendar! Filter between the day, week, and month. All class assignments and booked appointments automatically sync up and identified by color.



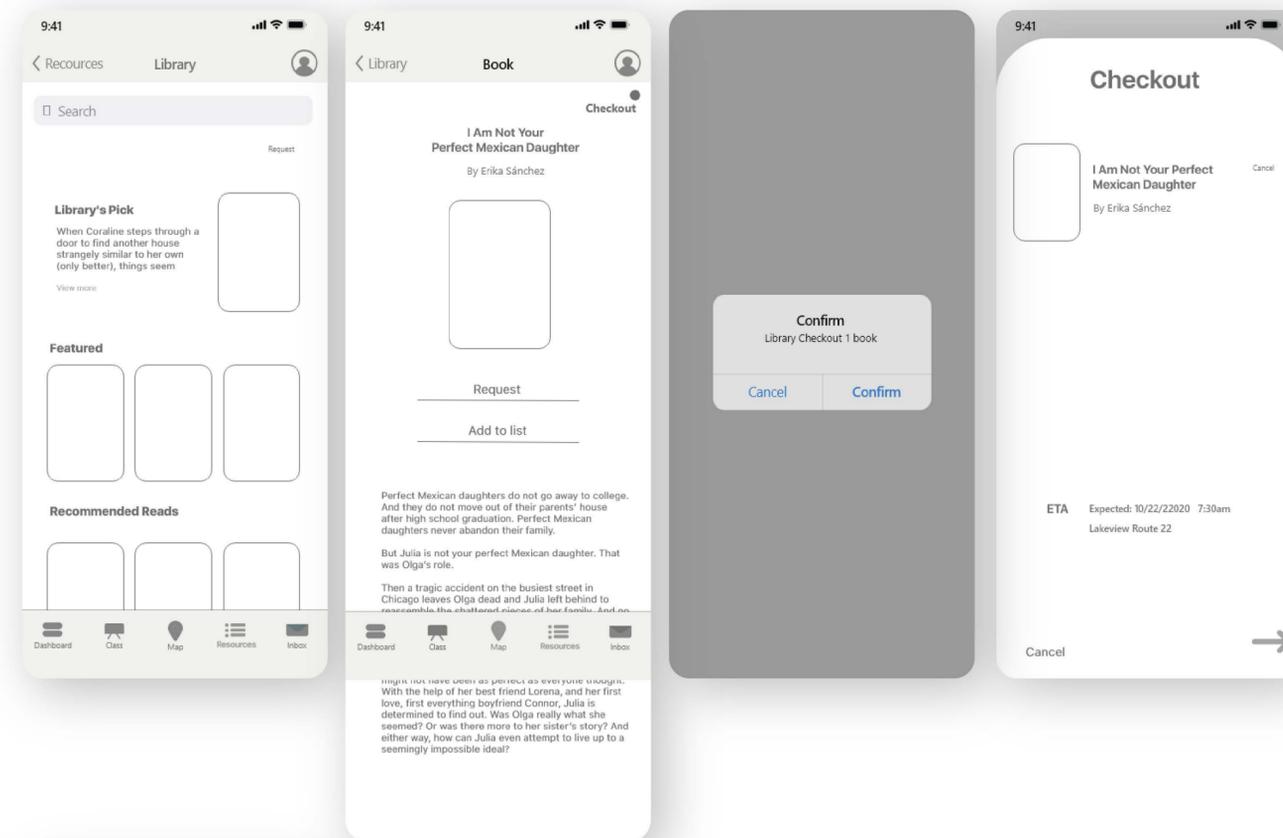
Supplies

Supplies donated from the community can be viewed and requested by students. The check out screen offers an ETA. Also on the day of arrival the Items will be shown on the Todays Tote section of the map (home screen).



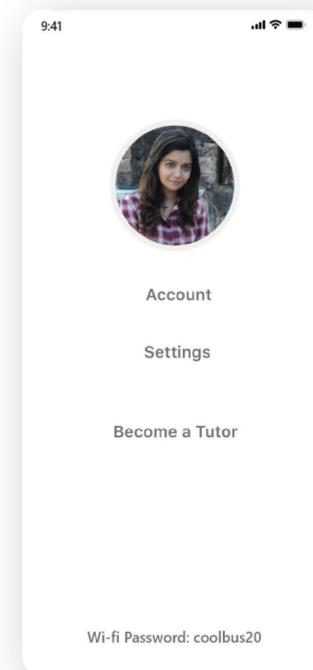
Library

Library books can be checked out through the app and brought to students.



Profile

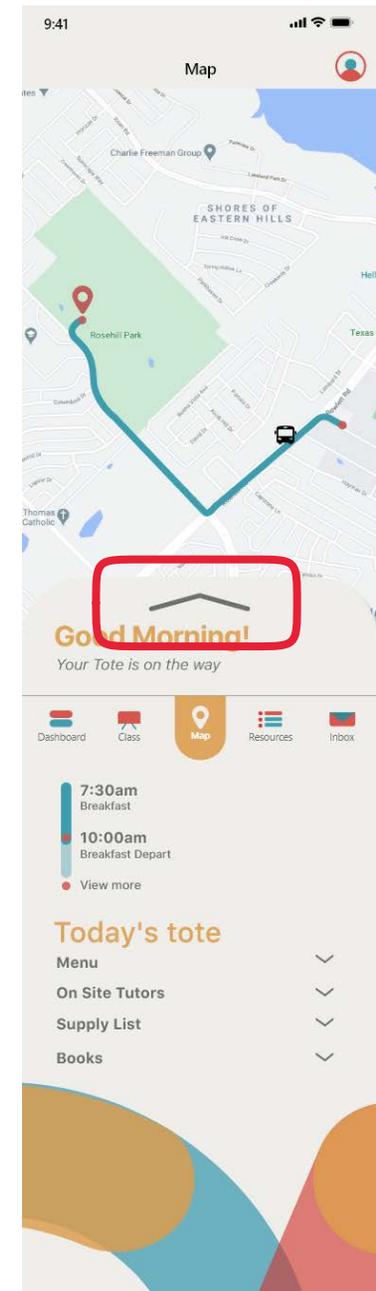
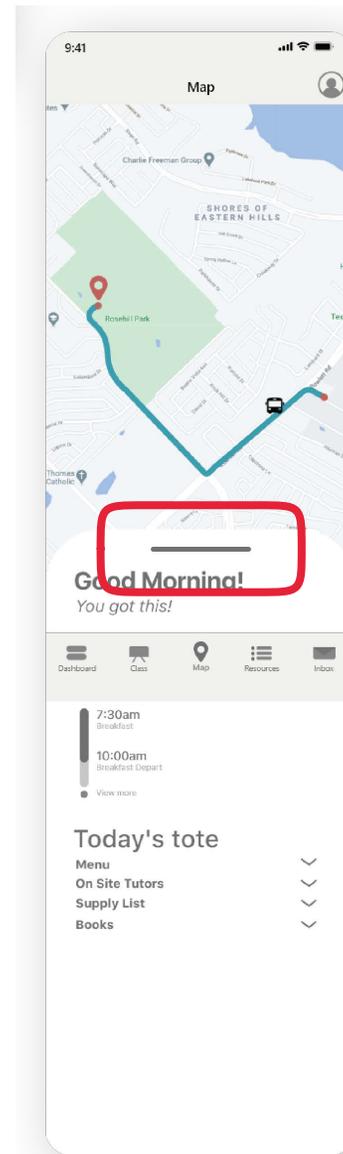
On the students profile account settings and the option for older students to become a tutor is available. Also, the bus' WIFI password is shown at the bottem.



User Testing

This is the daily notifications dashboard that includes the ETA on the bus, lunch menu, tutoring, and more.

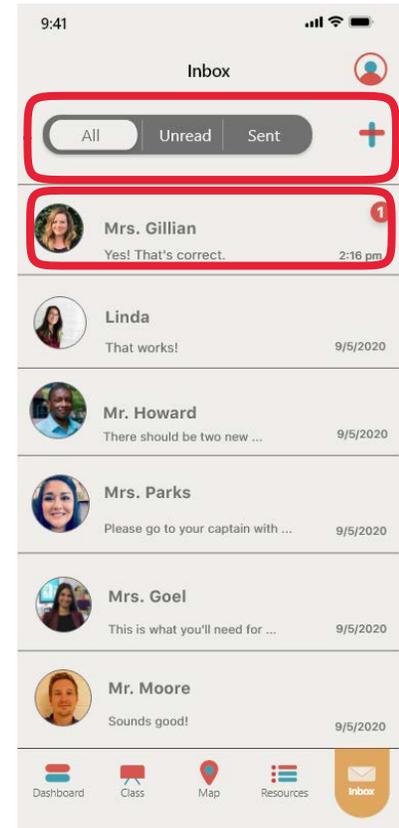
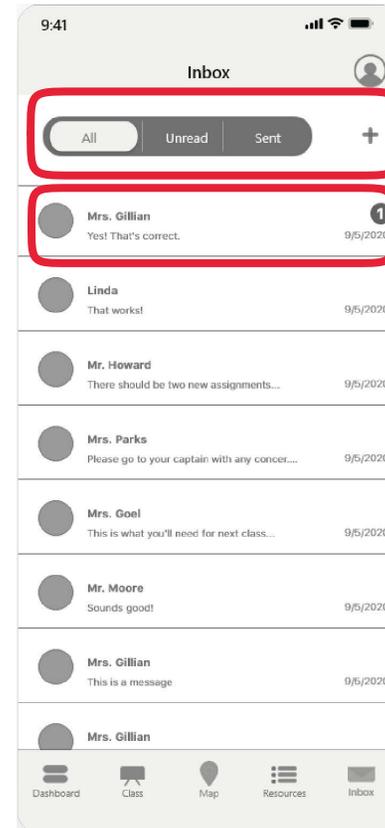
Users often missed the opportunity to slide up and view the information. Changing the element from a line to an arrow gave users a hint that there was information to view below.



User Testing

In multiple places throughout the app the users felt that the type was too small.

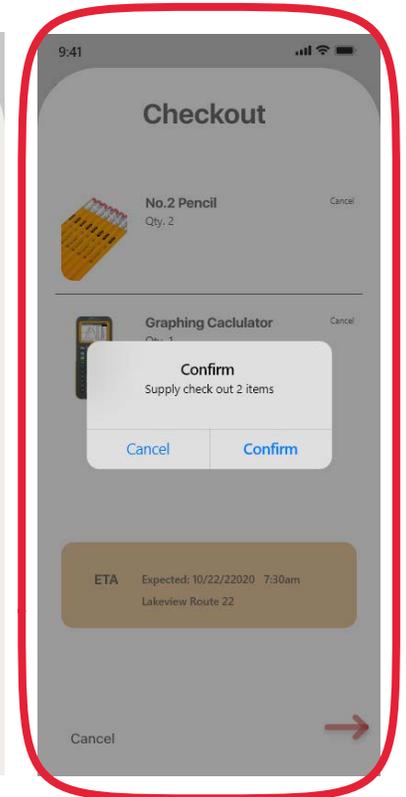
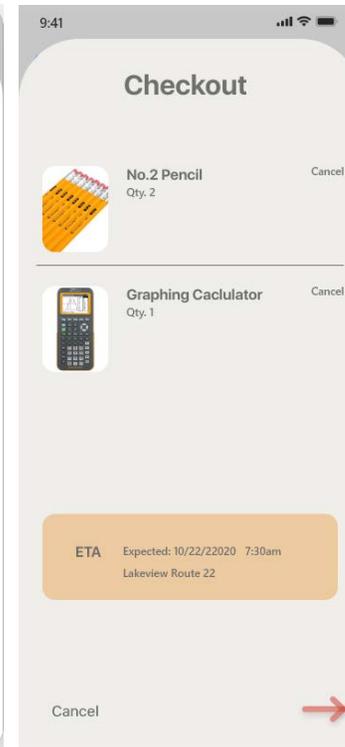
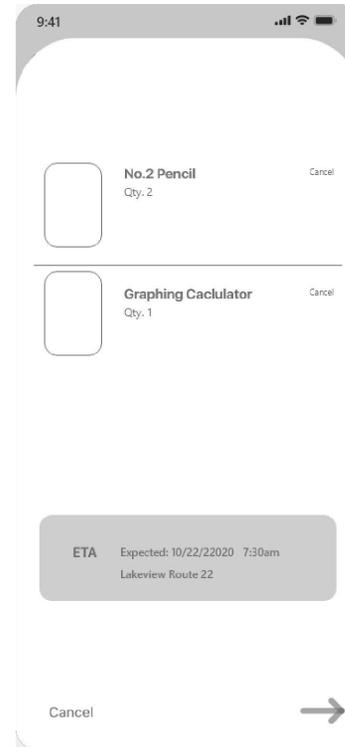
On the inbox screen, the type and profile pictures were scaled up as well as the filter and new message icon.



User Testing

When checking out donated school supplies, users felt that there needed to be a way to confirm their request before going back to the previous screen.

A confirmation screen was added to tutor appointment scheduling and the library checkout.



Login

9:41

Student Community

Zip code

Choose Your School

Select your school... ▾

Adress

Student ID Password

Have an account? [Log in](#)

→

9:41

Student Community

First Name Last Name

Adress

Select your school... ▾

Zip code

Create username Create Password

Have an account? [Log in](#)

I agree to background screening

→

9:41

TOTO
Student

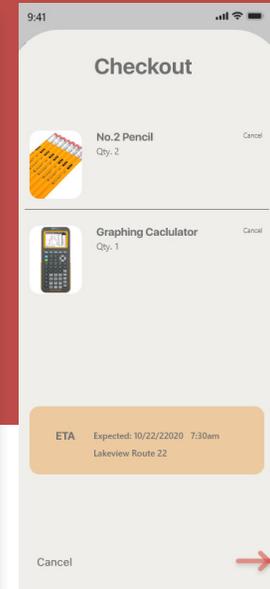
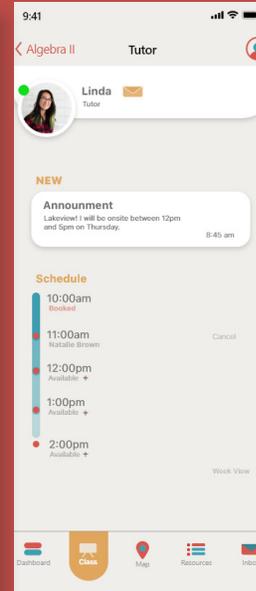
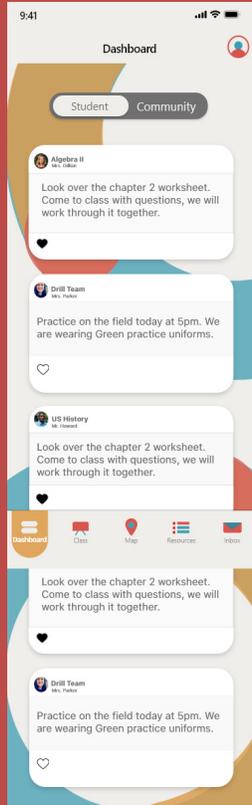
Username

Password

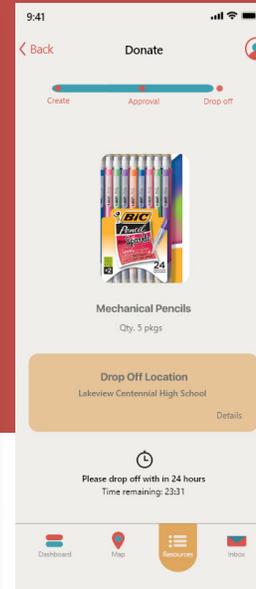
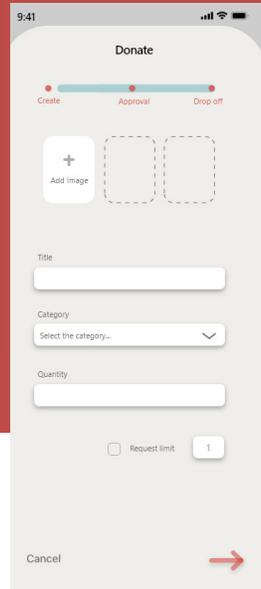
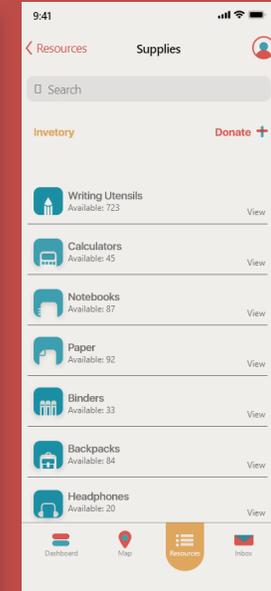
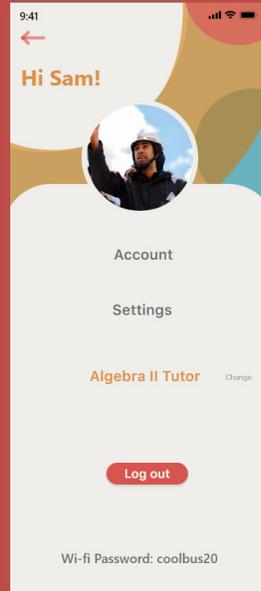
Community

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Student view

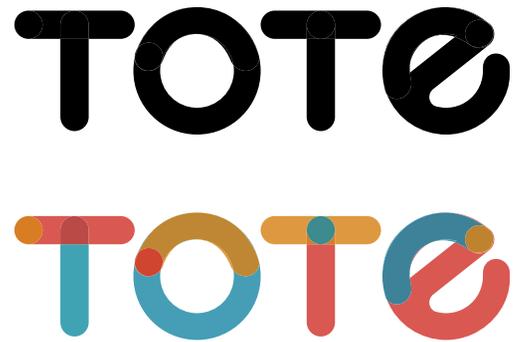


Community View

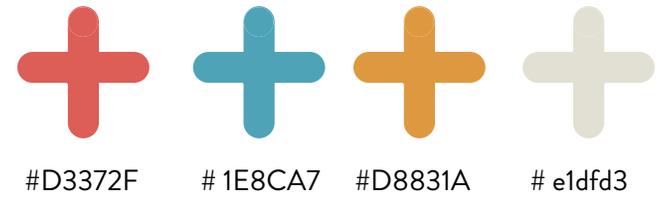


Branding

Logo



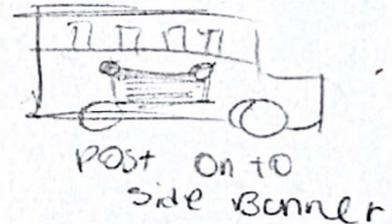
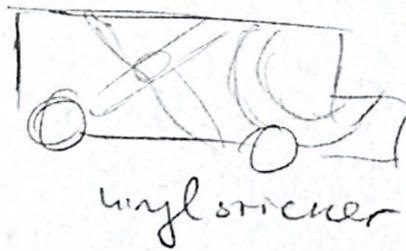
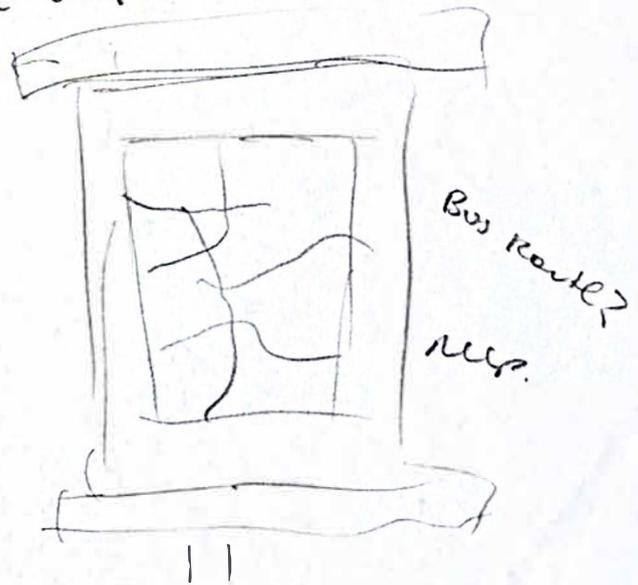
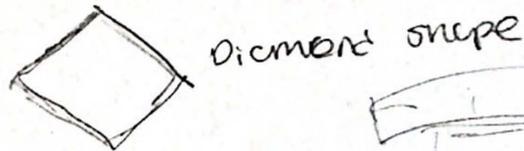
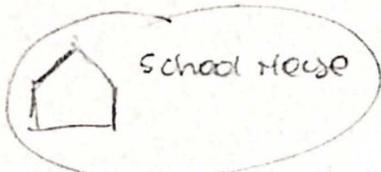
Colors



Touch points Brain storm

- Bus Pamphlet for parents
- Bus signs / Banners
- App
- Bus vinyl stickers
- Bus stop signs

↓
• BUS ROUTE?



↑

- Bus route Name / New park
- ~~Name of schools being serviced.~~
- Bus Number
- Add Abstract shapes.

- Where let you
- Bring my school to you
- School in neighborhoods



**Bringing School
to you.**

WiFi • Meals • Books • Community

TOTE

Thank You!