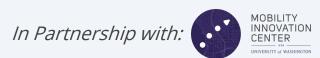
### The Next Generation of ORCA

Reimagining Seattle Public Transportation

Mobility Innovation Center: Event Attendees

Sierramatice Karras, Zach Thomas, Ryan Zuzelski, Zoe Escalona









### Overview

- 1. Research and Evaluation Methods
- 2. TransitGO recommendations
- 3. A new opportunity
- 4. ORCApay
- 5. One Bus Away

Reduce cash fare payments and increase a stagnant 60% **ORCA** adoption rate

## Research and Evaluation

### Methods



36 User Interviews

22 Usability Tests

10-15 minute sessions done in informal settings with event attendees

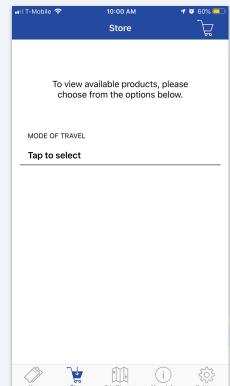


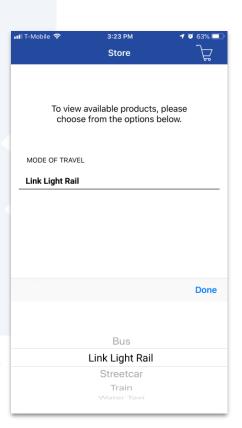


### Make Light Rail a "Mode of Travel"

"Wait, it just says train, where's Link? I don't think of them as the same thing at all."

(Participant 38, Task 3)

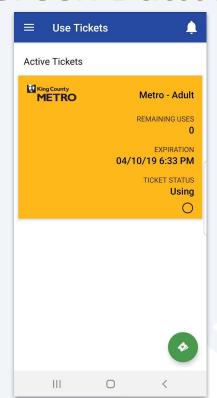


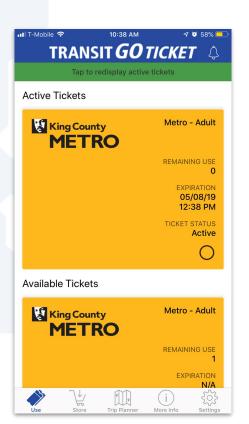


### Reformat the Unclear Green Button

"I thought that green button with the money symbol was buy."

(Participant 1, Task 1)





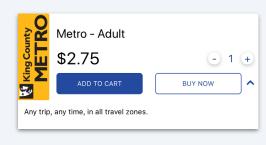




### Standardization of Ticketing Information

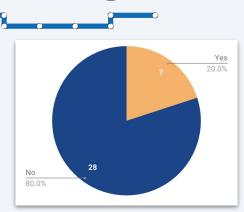
"What are the qualifications for reduced [fare]?
I'm going to buy it."

(Participant 38, Task 3)

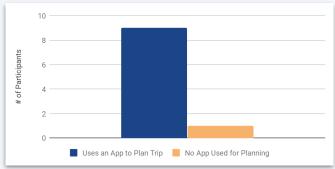




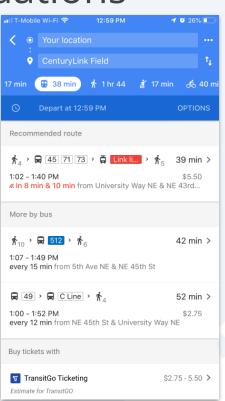
### Marketing Recommendations



Have you ever heard of the TransitGO application?



How do you plan your [public transit] trip?



### Rewards and Incentives

I "would use [TransitGO] if [there was a] free ticket on the 1st download,"

(Participant 9, Interview)





### Get the App. Get a **Free** Ride.

- 1. Download the **TransitGO Ticket** app.
- 2. Create an account.
- 3. Your first ticket is free.
- 4. Go!

Download the app



### TransitGO is Undesirable to Infrequent Riders



It's "faster to use a [ticket vending machine] than download an app"

(Participant 34, Interview)



Interest in Mobile Ticketing Application based on frequency of public transportation use

### Advantage Over Cash

- Next gen ORCA provides more advantages over cash than TransitGO
- TransitGO fails in edge cases regarding specific services/agencies
- Next gen ORCA will make TransitGO obsolete

TransitGO	
Pros	Cons
Skip kiosk lines	Download app
Less to carry Guest tickets	Time to purchase ticket in app  Limited Tickets
	No Transfers
next gen ORCA	
Pros	Cons
NFC tap to pay	Download app
in c tap to pay	Dominous app
Automatic fare calculation	Card fee
Automatic fare	
Automatic fare calculation	
Automatic fare calculation Skip kiosk lines	

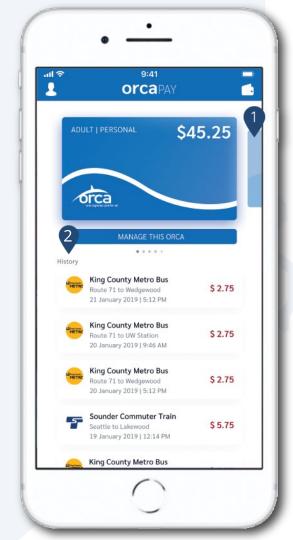


### bit.ly/ORCApay

Go to the above link on any device to access the interactive prototype

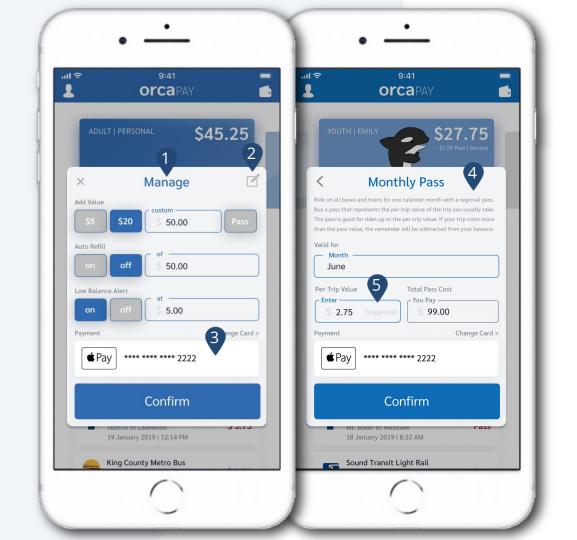
### Dashboard

- 1. Add and manage multiple ORCA accounts
- 2. Review transaction history for individual ORCA accounts



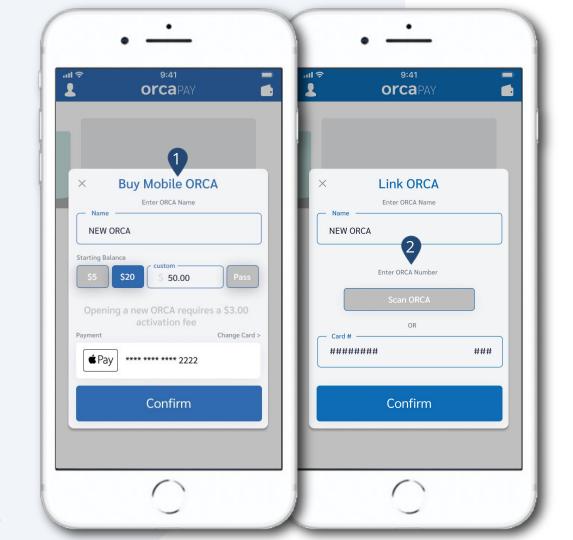
### Manage ORCA

- Instantaneously add value to ORCA balance
- 2. Edit name and appearance of ORCA accounts
- 3. Choose from a range of payment options
- 4. Quickly purchase monthly passes
- 5. Per-Trip Value suggested from the history of the card



### Add New ORCA

- 1. Tap to pay fare with NFCenabled mobile ORCA account
- 2. Link existing ORCA accounts to manage



### Scan Confirmation

 Application gives visual and audio conformation that the mobile ORCA has been successfully scanned



### **Custom Cards**

- Existing ORCA accounts linked into the application appear as the physical card does
- More card designs available for both physical and mobile ORCA to help users differentiate between accounts
- 3. Users can upload their own photos to help them differentiate between accounts





















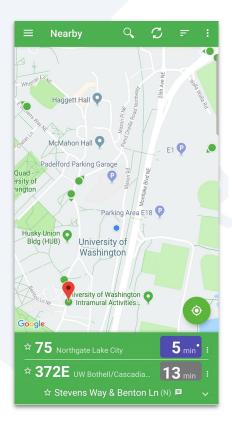


# One Bus Away

### Introduction



- Open-source transit utility application
- 500k+ downloads and 4.3-star rating on the Play Store
- Features
  - Intuitive map interface
  - Real-time route information
  - Trip Planner
  - Crowdsourced service report/alert system



### Customer Experience

- Desirable transit utility functionality (according to research participants)
- Similar functionality in ORCA ecosystem will not be offered for years
- Transit agencies have the best transit data and do not effectively deliver it to the customer
- The "transit app folder"
- Open source community ensures constant support and improvement



## Other Resources

### **Contact Information**



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Zoe Escalona



Ryan Zuzelski
rzuzelski@gmail.com

### Additional Resources



For more information about our process and deliverables, please see the links below:

Milestone 1: https://docs.google.com/document/d/1rn7s6XW8wdLcfVSM7NE-gJLogfIYVUufUfWBAUvX\_Ww/edit?usp=sharing

Milestone 2: https://docs.google.com/document/d/12Bzt1l9IGLdFxYL89E8HrP8VGL4Q4mUn8V0BvHl0j\_M/edit?usp=sharing

Milestone 3: https://docs.google.com/document/d/1spW58oc1hYct5zBBxe2d7\_-tXj6FMGlkqouRq-mzXcM/edit?usp=sharing

Milestone 4: https://docs.google.com/document/d/127kLgQgMj5BzJdanlZZuMr3ZVUP6Ovd56E6vDtVPLKk/edit?usp=sharing

Interactive Prototype: <a href="https://www.figma.com/proto/WeUIWDrrJTGpeZmfb8sakP/ORCA-pay-Style-Guide-Colors?node-id=44%3A0&scaling=scale-down">https://www.figma.com/proto/WeUIWDrrJTGpeZmfb8sakP/ORCA-pay-Style-Guide-Colors?node-id=44%3A0&scaling=scale-down</a>

Poster: <a href="https://drive.google.com/file/d/1QY9SJP7eqSJTTaJoEi8-8L3beUOT22xK/view?usp=sharing">https://drive.google.com/file/d/1QY9SJP7eqSJTTaJoEi8-8L3beUOT22xK/view?usp=sharing</a>