

## SmartRide App User Roadmap

### Goal:

The goal of SmartRide is to enhance urban transportation by providing a sustainable, accessible, and user-friendly transit experience.

### Impact:

SmartRide promotes eco-friendly commuting, improves accessibility for individuals with limited mobility, and streamlines transit systems, ultimately fostering a smarter and more inclusive urban environment.

### Features:

1. **Real-Time Updates:** Leverages sensor-based bus stop implementations to provide accurate transit schedules, live notifications, and updates on bus capacity and condition. This ensures users have access to real-time information for a more reliable and efficient transit experience.
2. **Bike Booking System:** Simplifies access to eco-friendly transportation options by displaying the number of available bikes in the user's vicinity. This ensures users can easily locate and book bikes for a convenient and sustainable ride.
3. **Smart Stop Requests:** Use geofencing and BLE technology to request stops seamlessly, whether you're on the bus or near a bus stop—making transit more accessible for everyone.

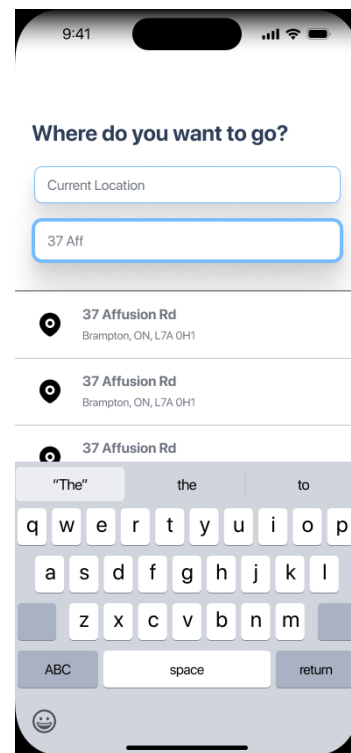
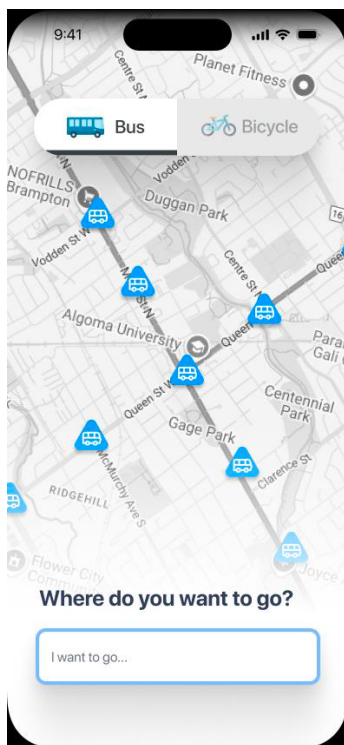
This app empowers users to make smarter, sustainable transit choices while improving overall convenience and inclusivity.

## User Road Map:

Once users log in, they are presented with two options for their commute:

1. City Transit Buses
2. Bikes

The app adjusts maps and updates based on the chosen commute type.

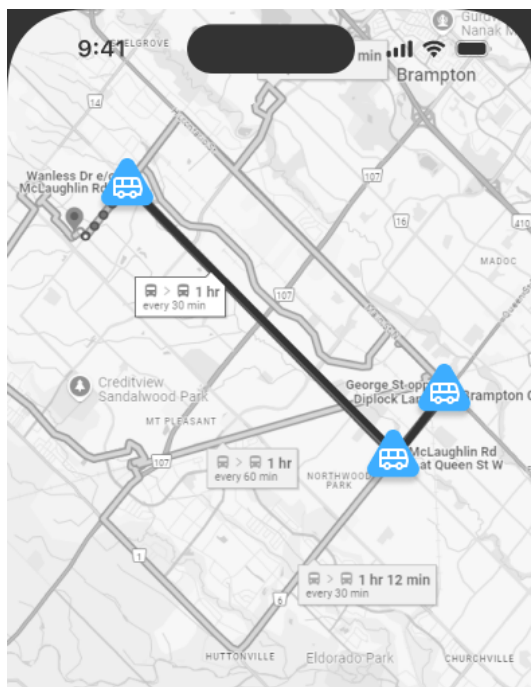


## Bus Option:

When selecting the bus option, users can view route details, including timings, durations, ticket costs, and the rewards they'll earn for choosing eco-friendly transit.

## Perks:

Users earn points for opting for sustainable modes of transit (e.g., bikes, public buses). These points are credited to their transit cards and can be redeemed for future rides.



04:41 PM - 05:42 PM



Brampton Zum Transit

🕒 1 hr 1 min

💰 \$3.50

★ 25 Pts

04:41 PM - 05:42 PM



Brampton Zum Transit

🕒 1 hr 1 min

💰 \$3.50

★ 50 Pts

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🕒 1 hr 1 min

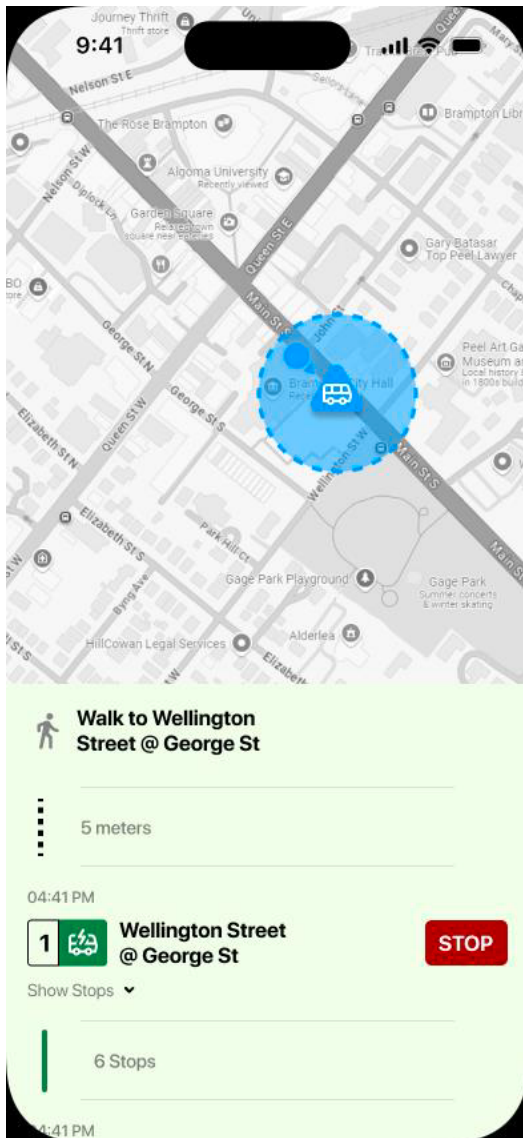
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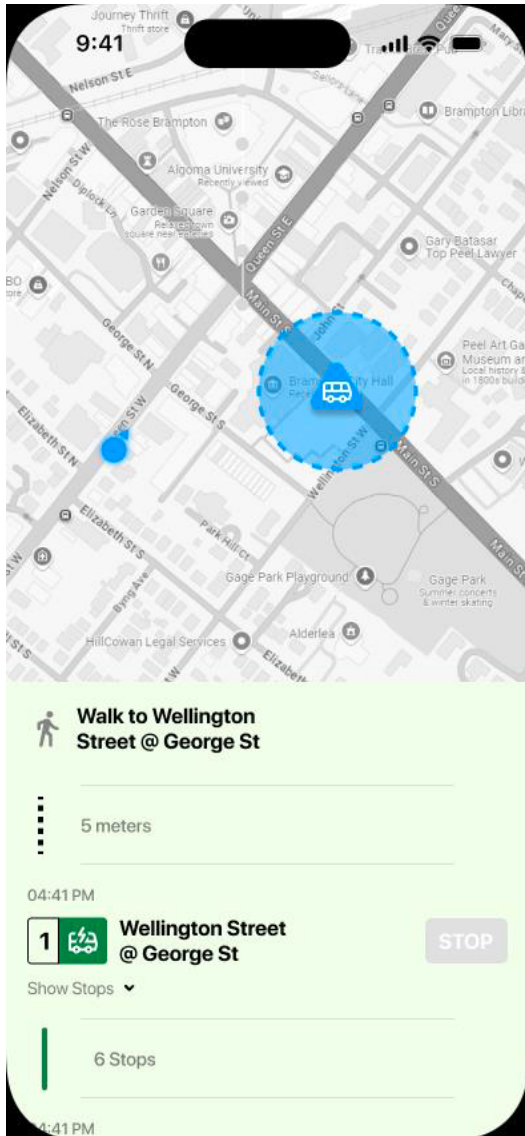
## Smart Stop Button:

The stop button is enabled only when users are on the bus or near a designated bus stop.

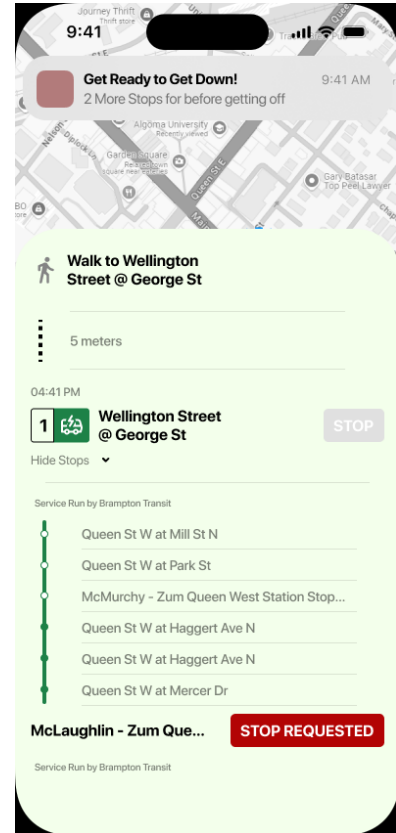
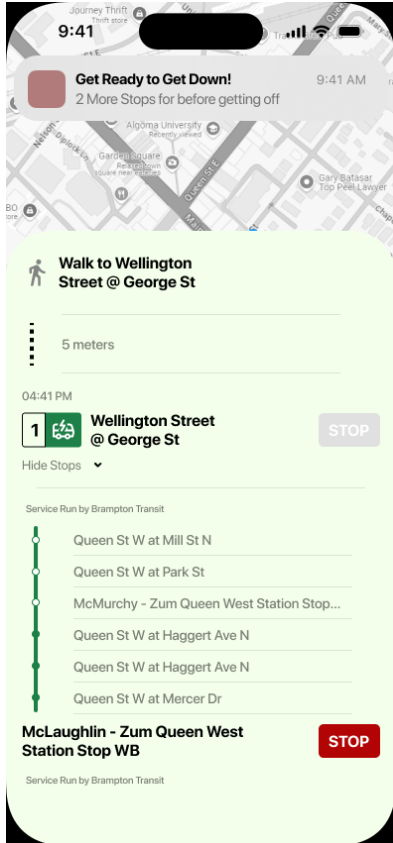
- **When near the stop:** The stop button will activate, allowing users to request a stop easily.



b) **When away from the stop:** The button remains disabled to ensure accuracy.



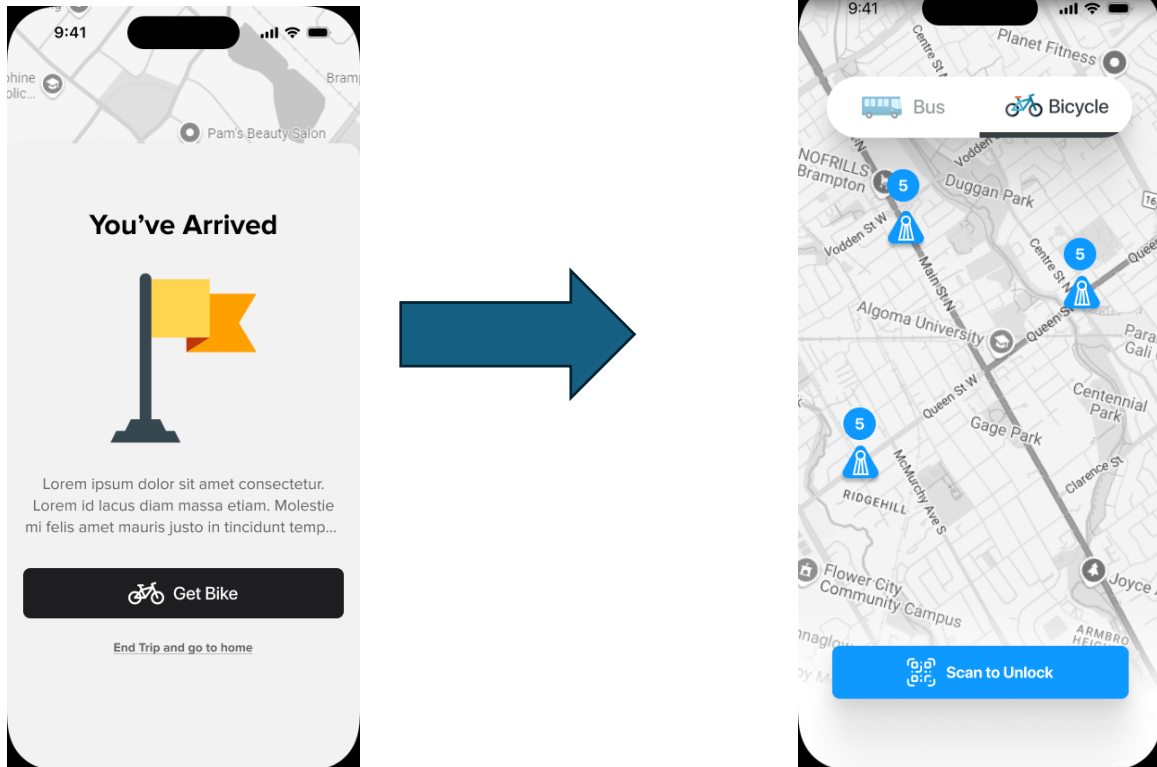
c) **While on the bus:** The app prominently displays the stop button for easy access.



## Bike Option:

After exiting the bus, the app prompts users with the option to continue their journey on a bike.

To unlock a bike, users simply scan the QR code displayed on it.



## Conclusion

SmartRide transforms urban commuting by integrating sustainability, accessibility, and convenience into a single platform. With features like real-time updates, smart stop requests, and a bike booking system, the app empowers users to make eco-friendly choices while earning rewards. By fostering smarter and more inclusive transit options, SmartRide paves the way for a greener and more connected urban future.