

Android Application Proposal: CA-US LineUps

AN APPLICATION THAT ALERTS USER THE WAIT TIME FOR US-CA
BORDER CROSSING

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Summary

Purpose of this application is to provide real-time information of Canada and United States border line crossing wait time. Traveler or tractor trailer operator who cross CA-US border line often have tendency to know what would be the wait time to cross the border. CA-US LineUps allows users to know time to cross Canada and U.S. border in advance to adjust their trip plan. To accommodate the user's need, CA-US LineUps gets data from Current Border Wait Time data set provided by Canadian government and provides real-time information and other utilities.

Mobile Application Benefit

CA-US LineUps is perfect for a mobile application since most of users are going to be on the street, and they want a quick reference for their trip plan. In addition, mobile platform supports accurate GPS coordinate for current user's geographical position which allows the application to provide the nearest border gate rather than throw a list of border gates to users. Finally, ability to send notifications would allow this application to constantly update border wait time to users.

Application Features

- Display the list of near border gates and their current wait time for Canada to US & US to Canada
- Display all the gates and their current wait time for Canada to US & US to Canada
- Alert user with notification service to inform current wait time of chosen gate
- Provide forecast of border crossing wait time on chosen date and time
- Log wait time for chosen time

Summary of Expected Users/Market for this Application

- Travelers
- Logistic service providers
- Travel agents
- Tractor trailer operator

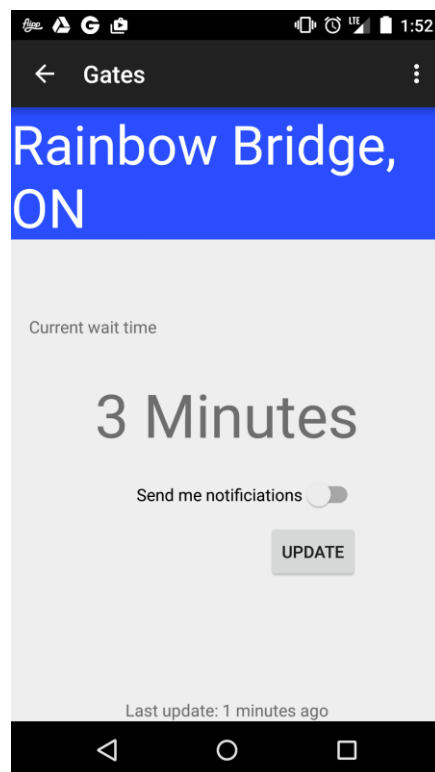
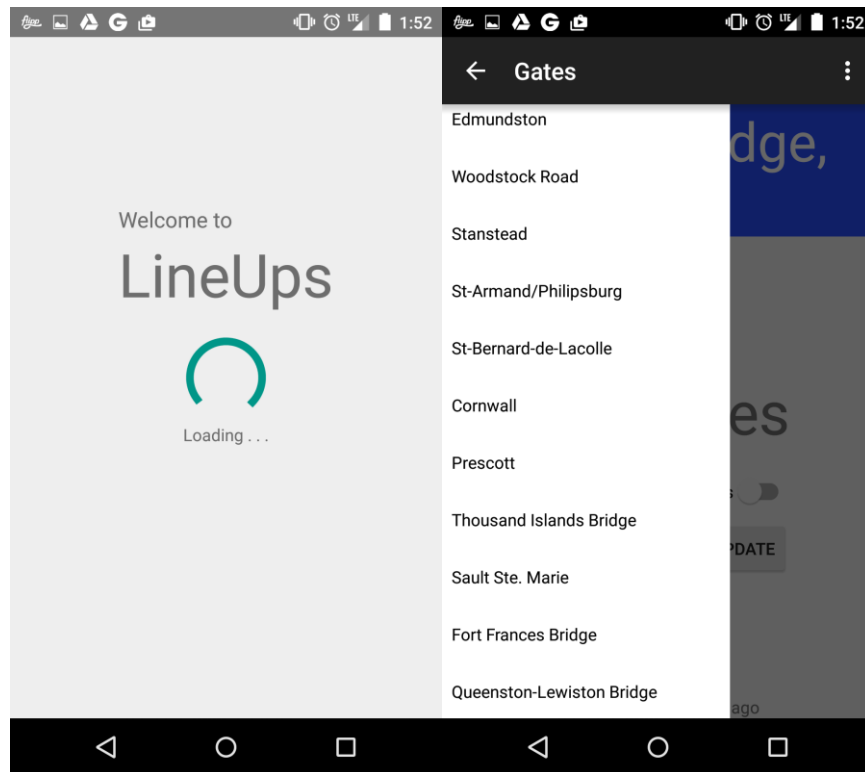
Description of Most Common Use-Cases Anticipated

Tractor trailer operator who needs to follow their schedule can learn about traffic condition on border crossing to adjust their course prior to their arrival.

Traveler who came from U.S. to visit Niagara Falls can adjust their return time by monitoring the border crossing wait time.

Traveler or logistic service providers can adjust their schedule to avoid high traffic on border crossing gate.

Mock-Ups of Views



Timeline for Implementation

Project Launch Date: TBD

	Task	Deadline
Version 1.0	Design and create layouts	August 7 th , 2015
	Implement Display the list of border gates and their current wait time for Canada to US	August 6 th , 2015
	Test phase 1	August 7 th , 2015
	Implement Notification service	August 10 th , 2015
	Test phase 2	August 11 th , 2015
	Implement Wait time Log	August 12 th , 2015
	Test phase 3	August 13 th , 2015
Version 2.0	Implement Display the list of border gates and their current wait time for US to Canada	Tentative
	Implement wait time forecast	Tentative