

Uni-Directional Voice Notes Service

OVERVIEW

In CareemBus we are not exposing our captain's phone numbers to customers. However, we would like to introduce a new means of communication between captains and customers where only captains can send broadcast voice-notes to customers waiting for the bus in the next bus stops.

Design, Architect and implement “in the language/framework of your choice” a unidirectional voice notes service that allows:

As a customer

1. Subscribe to a “journey” in order to receive voice-notes from the captain running this journey.
2. Receive multiple voice notes from the same captain as long as the rider is still waiting for the bus
3. Listen to voice note

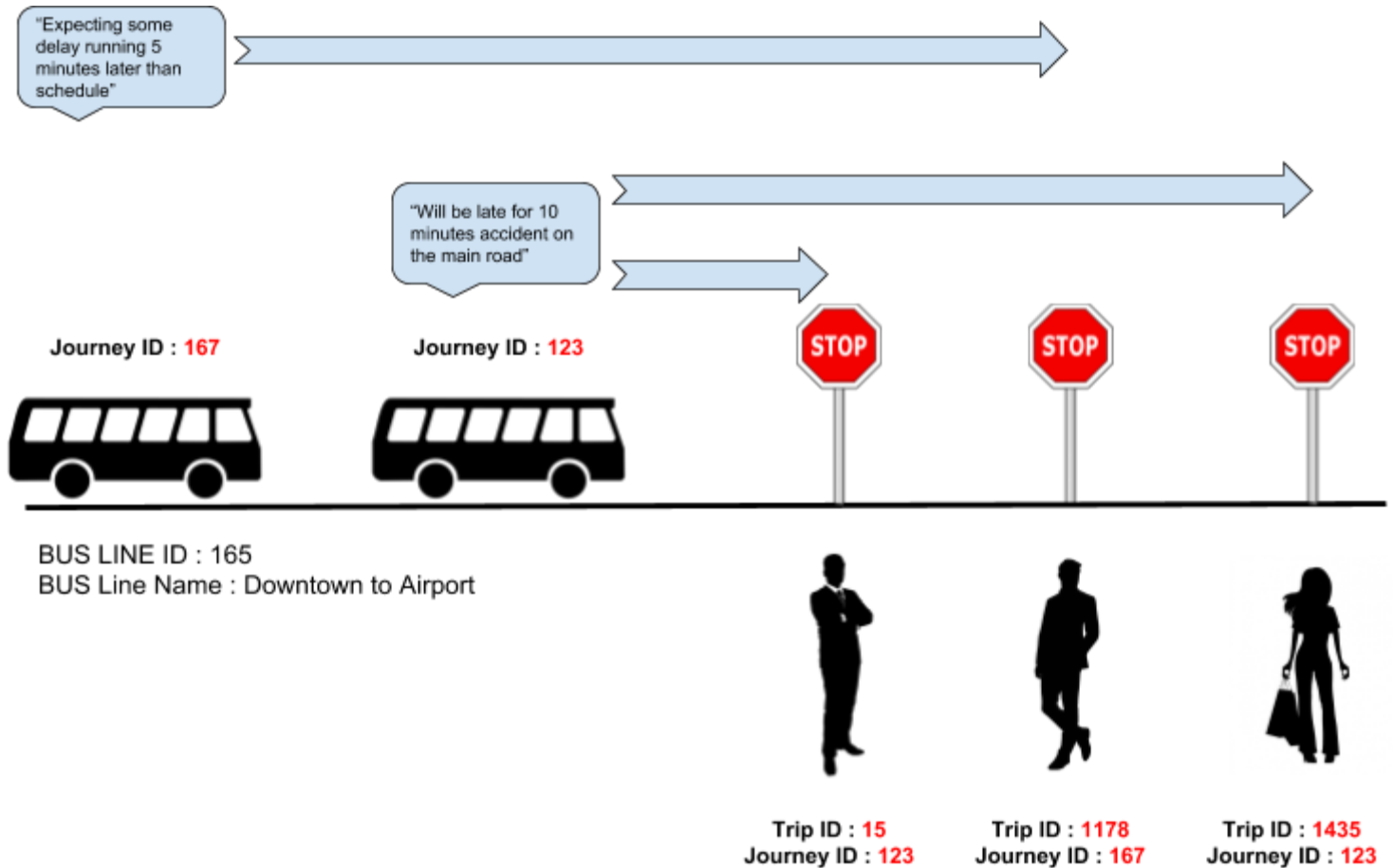
As a captain

1. Send voice notes to all customers who have booked this journey but currently waiting in the next bus stops.
2. The ability to know how many customers received the voice note and how many of them have listened to the voice note

Deliverables

1. Hand sketch of the system design
2. API EndPoints Skeleton
3. API Documentation and Sample calls
4. Implementation of the service on a github public repo with commented code
5. Detailed Readme file with technical justification of the system design, DB architecture or any areas that needs explanation.
6. Hosting on a free heroku instance would be a plus

Illustrative Material



Terminology

1. Captain : Bus Driver
2. Customer : Bus Rider
3. Bus Stop : a virtual bus stop
4. Bus Line : a bus line that goes from point A to point B passing by a series of bus stops
5. Journey : the whole bus journey from point A to point B on a certain line
6. Trip : a customer/rider trip on a certain journey between any 2 bus stops