

Some successful transport APPs and APIs in different countries :

1-rejseplanen app copenhagen : boats

2-Newyork APP : MYmta ,

<https://data.cityofnewyork.us/Transportation/MTA-Data/mmu8-8w8b/data>

<https://opendata.cityofnewyork.us/projects/>

3-helsinki Rettitiopa and HSL , perfect , Digitransit

https://hri.fi/data/en_GB/dataset/hsl-reittitopas-api

4-Toronto : information about the people traffic, bicycle parkings, hadicaps, ...

<https://www.triplinx.ca/>

The screenshot displays a web-based Trip Planner interface. On the left, a sidebar contains the 'Trip Planner' title, a 'START / END' button, and an 'OPTIONS' button. Below these are input fields for 'Start' and 'End' locations, each with a location pin icon and a search icon. There is a link to '+ Add stopover', a checkbox for 'Accessible trip', a date selector set to 'Today', and a time selector with 'Depart at' and '5:40 PM'. A large orange 'PLAN TRIP' button is at the bottom of the sidebar. The main area shows a map with a green route line and several stop points. A legend is visible at the bottom left of the map. On the right, a panel titled 'SERVICE: FIND OUT more.' lists 'Standard Cash Fares' for different user types: Adult (\$3.25), Post Secondary Student (\$3.25), Senior/Student (\$2.10), and Child 12 and under (Free). It also includes a note about additional fares for trips requiring extra help and a 'Customer Information' section with contact details.

Trip Planner

START / END OPTIONS ?

Start
Address, stop, or location

End
Address, stop, or location

+ Add stopover

☐ Accessible trip

Today

Depart at 5:40 PM

PLAN TRIP

Standard Cash Fares

Adult	\$3.25
Post Secondary Student	\$3.25
Senior/Student	\$2.10
Child 12 and under	Free

If your trip requires an additional fare, it will be shown next to the trip.

Customer Information
Need extra help in planning your trip?

You can contact our Customer Information office from 8am - 6pm daily (except statutory holidays) at 416-393-4636.

GTFS Realtime Overview

"It is an extension to [GTFS](#) (General Transit Feed Specification), an open data format for public transportation schedules and associated geographic information."

<https://developers.google.com/transit/gtfs-realtime/>

Google claims that in 2017, it has provided 1008 GTFS to Google. Today, many municipality transport agents publish their public transport routes and schedules as standard and free GTFS. This feed can be viewed not only by Google's service for these cities, but also on websites like world : Transitland.com

For example, this website receives transit feeds from 540 cities around the

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5952869/>

references : <https://developers.google.com/transit/gtfs-realtime/>

Open Trip Planner :

OpenTripPlanner is an open source multi-modal travel planner. It is developing and expanding, and it runs the beta phase and is used internationally. Multi-modal here means that it is possible to combine several types of transport and movements, such as walking and subway, bicycle and personal car, etc.

Examples of using OpenTripPlanner :

TriMet - <http://ride.trimet.org/#/>

Valley Transit Authority - <http://tripplanner.vta.org/planner>

New York State Department of Transportation - <https://www.511ny.org/>

Helsinki Regional Transport Authority - <https://digitransit.fi/en/>

Municipal Transport Company of Valencia S. A. U. -

http://www.emtvalencia.es/geoportal/?lang=en_otp

SMTC - <http://www.metromobilite.fr/>

ZTM Poznan - <http://poznan.iplaner.pl/>

ZTM Lublin - <https://www.ztm.lublin.eu/>

Adelaide Metro - <http://jp.adelaidemetro.com.au/opentripplanner-webapp/>

ViviBus Bologna - <http://bologna.vivibus.it/>

Singapore Nextride - <https://itunes.apple.com/us/app/nextride-singapore-public/id565103559>

-Check Navitia as well : <https://medium.com/@navitia.io/navitia-versus-open-trip-planner-which-open-multimodal-software-to-choose-c6b924c85391>

-Check the innovative applications here :

<https://www.data.gouv.fr/en/datasets/offre-transport-de-la-ratp-format-gtfs-ratp/>