BlindSquare

BlindSquare is an app developed for the blind, deafblind and partially sighted. It is the world’s most widely used accessible GPS app and is oriented towards human safety, providing many details about the environment/surrounding. Example: cafes, post offices, libraries.

It uses 2 major third apps: Foursquare and OpenStreetMap.

Foursquare invented check-in and benefit from 13+ bilion check-ins, offering details about places and locations around the world( additional: send notifications to users when they are near one point of interest or enter or exit a geofence). Places Api – Free for 1 app per account/599$ unlimited, Pilgrim – free if the app has < 100k monthly tracked users.

OpenStreetMap – “OpenStreetMap is a map of the world, created by people like you and free to use under an open license.” It is an open data, free to use and you only need to credit OpenStreetMap and its contributors. It can be used with OpenStreetMap API or with Leflet.js.

Links:

* <https://www.blindsquare.com/>
* <https://developer.foursquare.com/>
* <https://www.openstreetmap.org/>
* <https://wiki.openstreetmap.org/wiki/API_v0.6>
* <https://leafletjs.com/>

TenorFlow.js

TensorFlow.js provides a way to identify and classify objects in an image. It says how many objects are in the scene, also their type and position. It can be used on Web, Android and IOS.

Links:

* <https://hackernoon.com/tensorflow-js-real-time-object-detection-in-10-lines-of-code-baf15dfb95b2>
* <https://www.tensorflow.org/lite/models/object_detection/overview>
* <https://github.com/tensorflow/examples/tree/master/lite/examples/object_detection/android>