

ACCESSPATH API

The AccessPath API (application programming interface) is divided into three components: Routing, Locations, and Users APIs. The Routing API provides developers with pedestrian routes based on the pedestrian pathway network, the pathway conditions, and a user's custom comfort settings. Starting and ending destinations are specified by the user, with the user's current location as the default starting point. After starting and ending points are provided, along with a user's settings, the API returns a connected route of sidewalk and crosswalk segments from starting to ending location in JSON format.

The Locations API allows developers to send and receive crowdsourced reports to and from the database. This information includes the location, type, account ID, and image path of the reported item. For reports such as entrances and indoor accessibility, additional information may be required, such as the number of steps into a building, existence of ramps, automatic doors, accessible restrooms, spaciousness, and braille menus. The data is returned as a JSON array of points within a bounding box.

The Users API allows developers to provide login capabilities to users. Users have the ability to create a new login using an email address, Google Login, Facebook Login, or a guest account. Except for guest users, user information contains a user's first and last name, username, custom settings, account ID, and password. Although passwords are created, they are not returned via the API and are encrypted during creation and transport using MD5 Hash encryption. The API settings also allows users to create Favorite Places (i.e. Home) and returns Recent Places (i.e. Pittsburgh Zoo).

LICENSE INFORMATION

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RELEASE NOTES

Routing API: Version 1.0

Locations API: Version 1.3

Users API: Version 1.4

CONFIGURATION

Suggested System Requirements: Internet connection

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