

ACCESSPATH

AccessPath is a pedestrian wayfinding app tailored towards wheelchair users and people with visual impairments. Typical pedestrian wayfinding apps do not use the sidewalk network to provide navigation, nor do they know the quality of the routes that they direct their users. In addition, these apps are not user-friendly for people with disabilities. AccessPath considers the pathway network, quality of routes, and user settings when suggesting pedestrian routes to travel. pathVu Navigation can be used for pre-trip planning or real-time navigation.

Primary Features:

- 1) **Set A New Path:** *Set A New Path* provides real-time step-by-step directions from the user's current location to a destination. AccessPath directions are based on the pedestrian network of sidewalks and crosswalks, and considers the user's custom Comfort Settings described below.
- 2) **Comfort and Alert Settings:** *Comfort and Alert Settings* is a settings menu that allows users to specify which sidewalk attributes they prefer to travel or avoid and their level of comfort doing so. Users can set their comfort settings for the following pathway attributes: tripping hazards, roughness, running slope, cross slope, and width.
- 3) **Reports:** Users can submit *Reports* regarding potential hazards along pathways. These reports can be used to alert users of potential hazards visually, audibly, and haptically. When submitting reports, users submit an image, location, and type of report. Hazard types include tripping hazards, construction, curb ramps, and other.

LICENSE INFORMATION

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RELEASE NOTES

Android: Version 1.4

iOS: Version 2.3.2

CONFIGURATION

Hardware Supported: iOS 10.0+; Android 4.4+

Suggested System Requirements:

iOS Device: iPhone with internet connection running iOS 10.0 or greater

Android Device: Android phone with internet connection running Android 4.4 or greater

INSTALLATION

There is no installer included in this package. Only source code is provided.

Applications can be downloaded from the App Store and Google Play Store for iOS and Android installation, respectively.

SUPPORT CONTACT:

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