

LOUD: STEPS

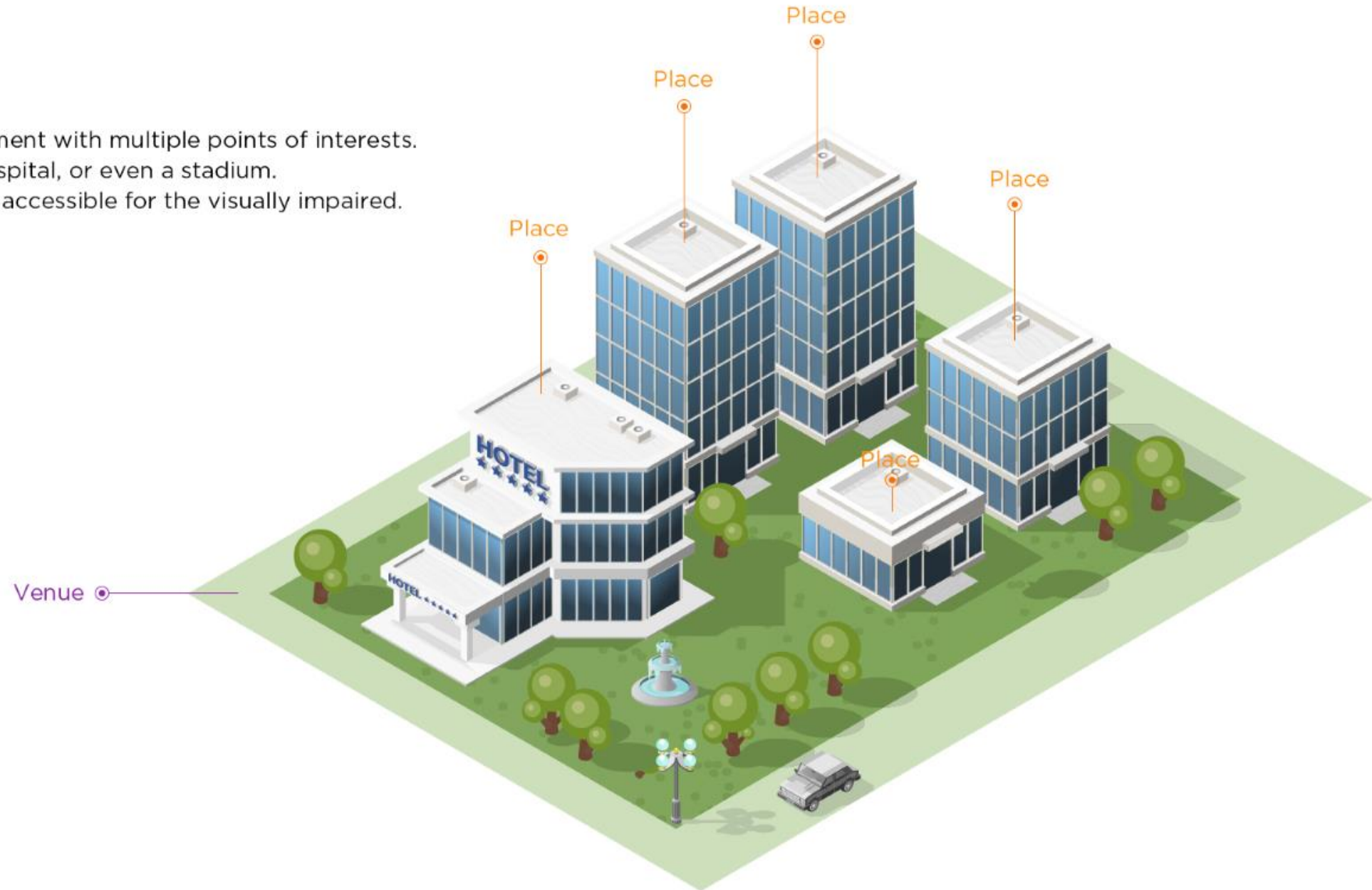
User Manual

Boni



What is a Venue?

A venue is a bound environment with multiple points of interests. It can be an airport, mall, hospital, or even a stadium. LOUD STEPS makes venues accessible for the visually impaired.

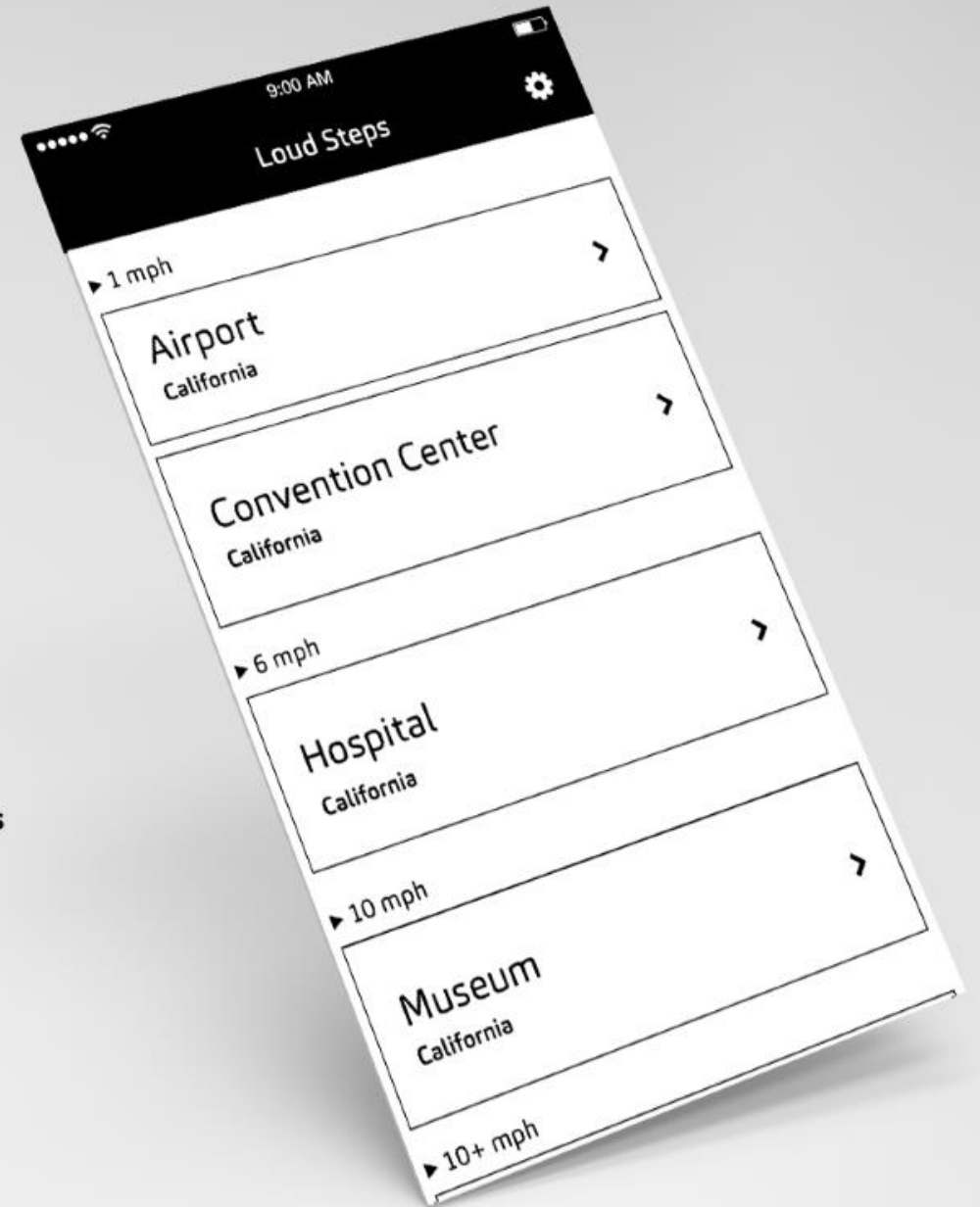


What is LOUD STEPS?

LOUD STEPS provides a free mobile application for iPhone and Android.

The application aggregates maps and radio signals to guide visually impaired individuals through a venue.

It also provides Venue discovery features and can even call transportation such as **Uber & Lyft** or access out door navigation tools such as **Google Maps** or **Apple Maps**.



How it works

When a visually impaired individual enters a venue, the user is introduced to accessible places such as Emergency Exits or Restrooms.

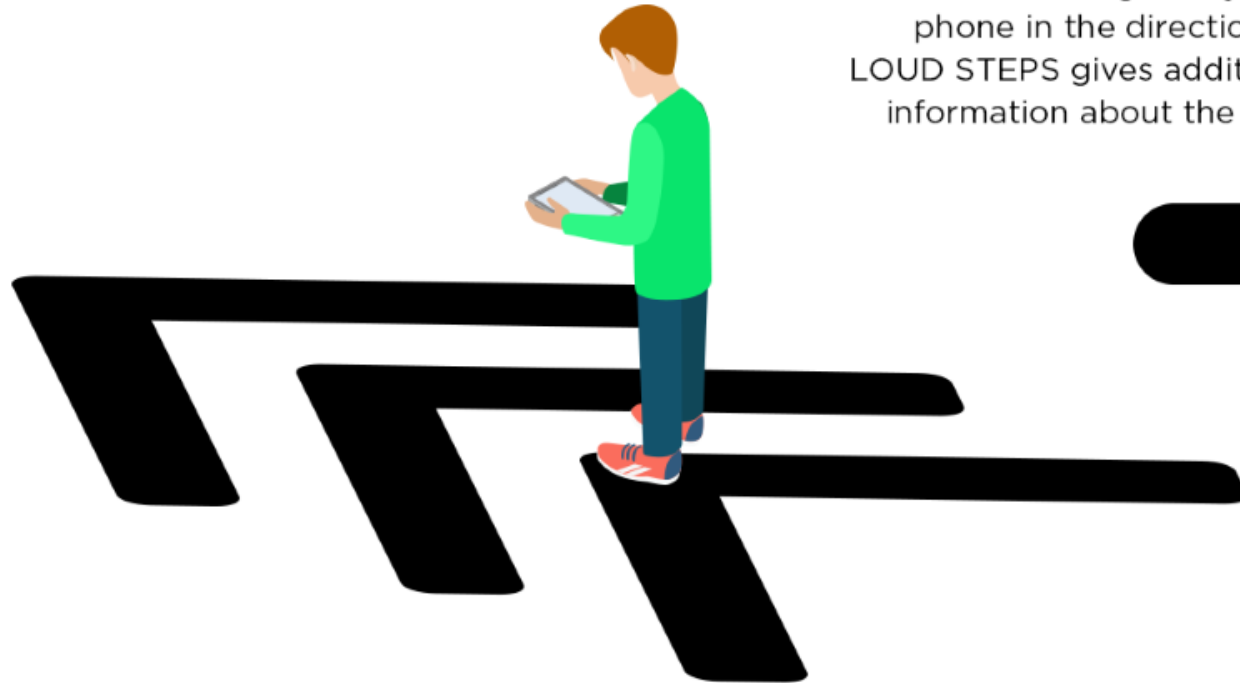
Depending on the venue, a variety of categories are listed in the application. The users can discover the venue by browsing through categories or searching for any particular place.



Fast accessible places

Discoverable places

Discoverable places



Discovering Nearby Places

LOUD STEPS announces nearby places as a user engages with the venue.

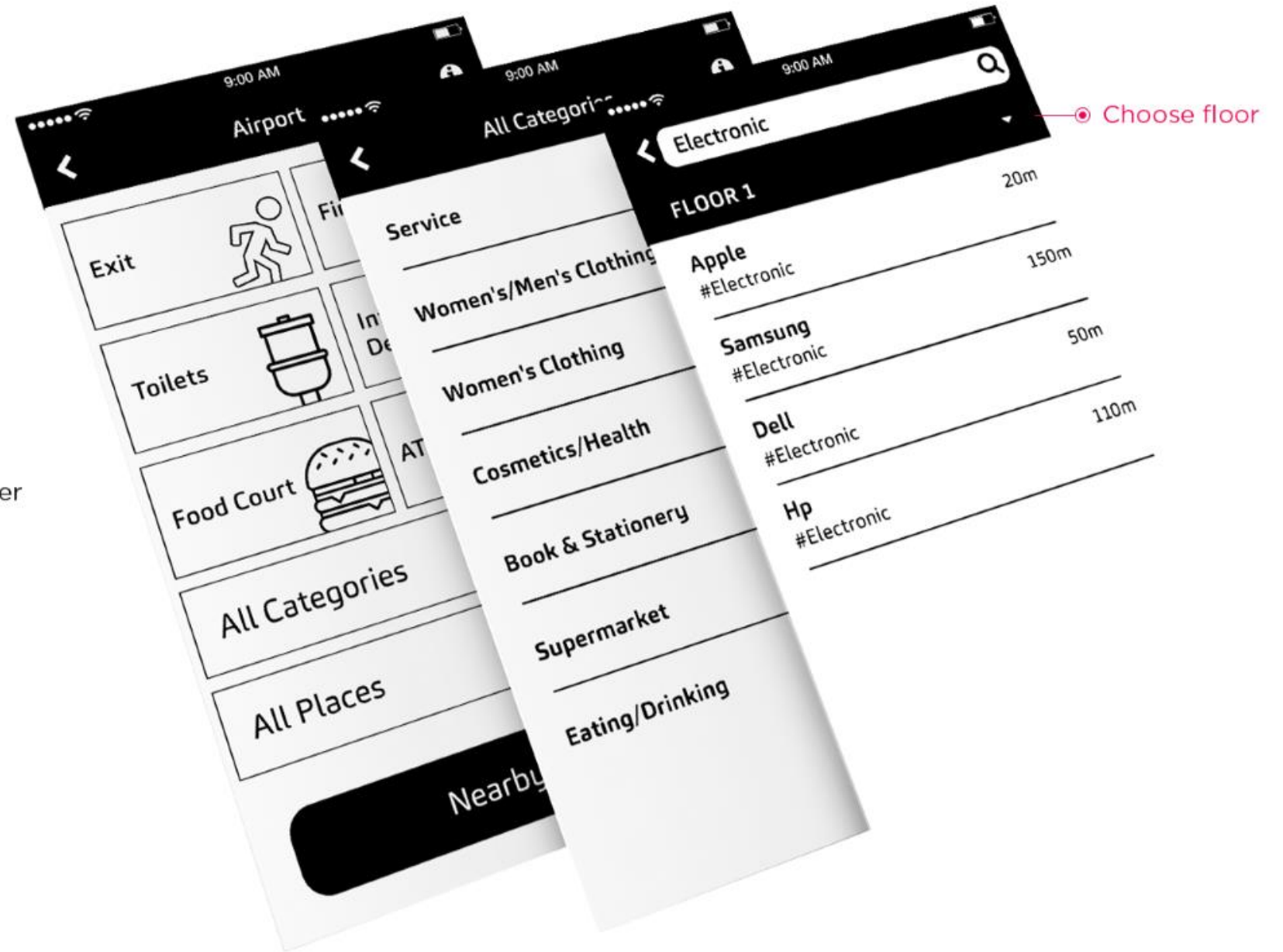
If the user wants to get more information about their surroundings, they simply point the phone in the direction of interest and LOUD STEPS gives additional meaningful information about the requested place.

Nearby

Accessing a place

If a user wants to go a place, they can either choose Fast Accessible Places, browse through Categories, or Search for place.

Once a place is selected LOUD STEPS will start the navigation.



Fast Accessible

Categories

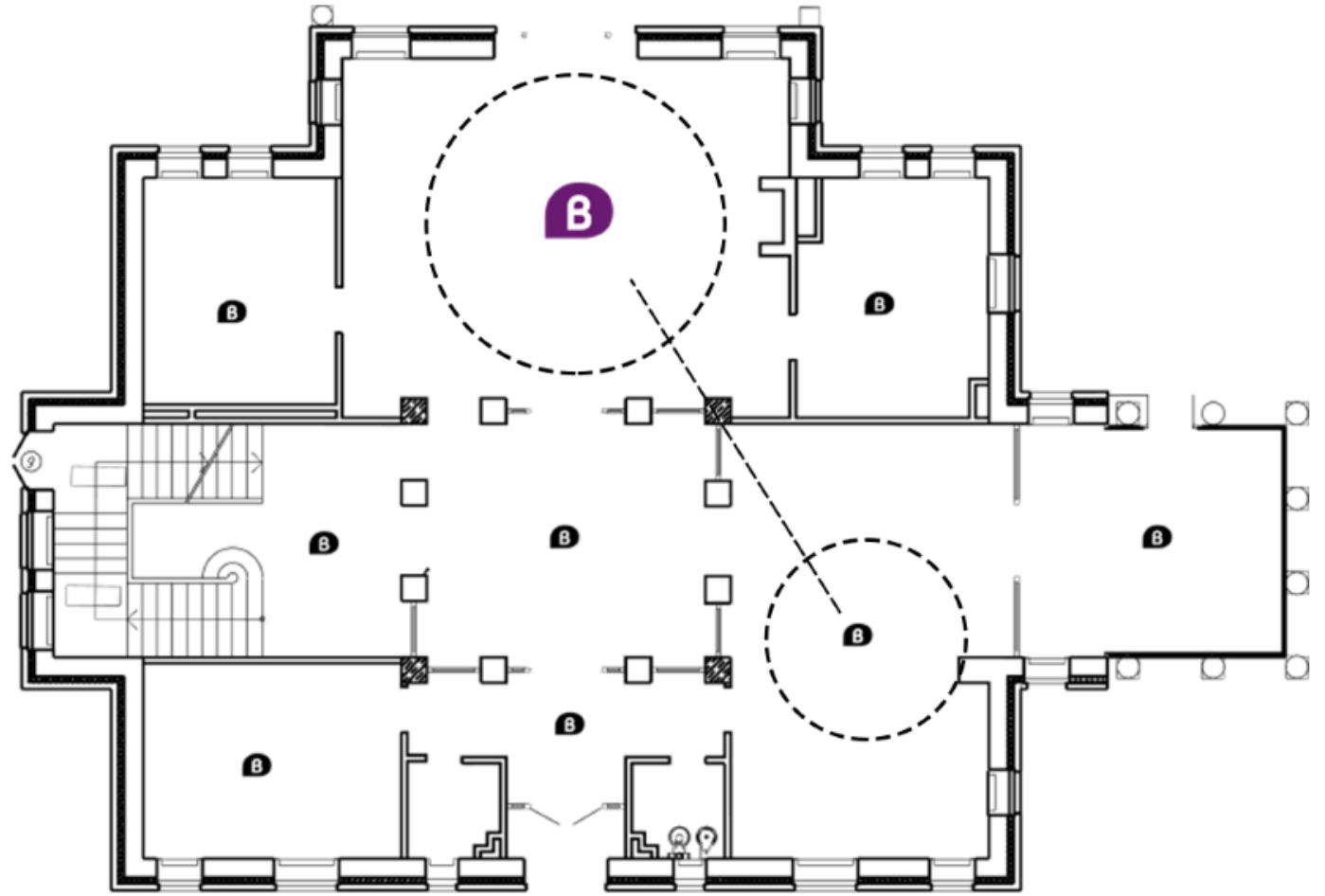
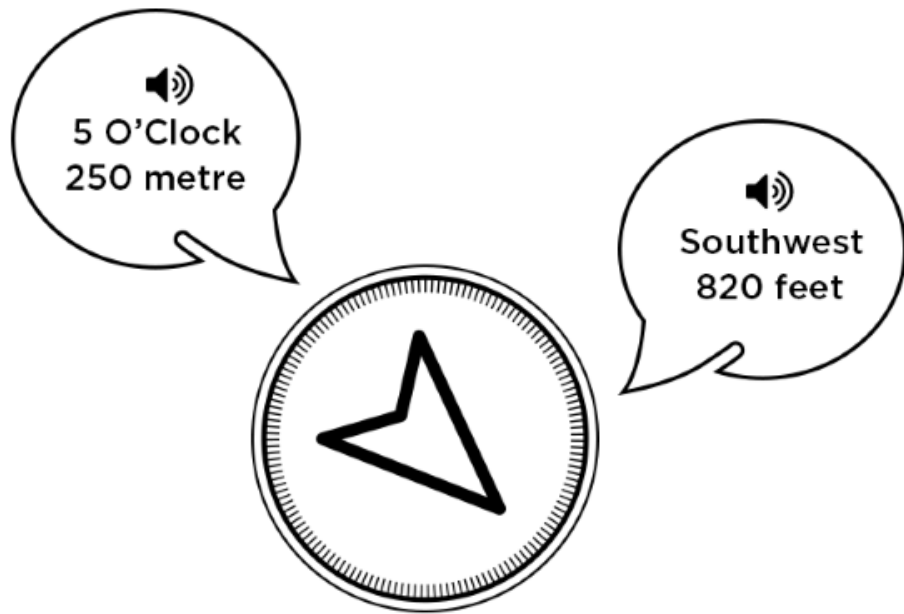
Search, using Dictation

Navigation

After the user selects the desired place, LOUD STEPS provides information about the destination's location from a Bird's Eye view.

The distance is presented in metric or imperial system and the direction is presented in clock-face or cardinal system.

By means of this feature, a visually impaired person is able to easily understand spatial imagination, which facilitates a better orientation.

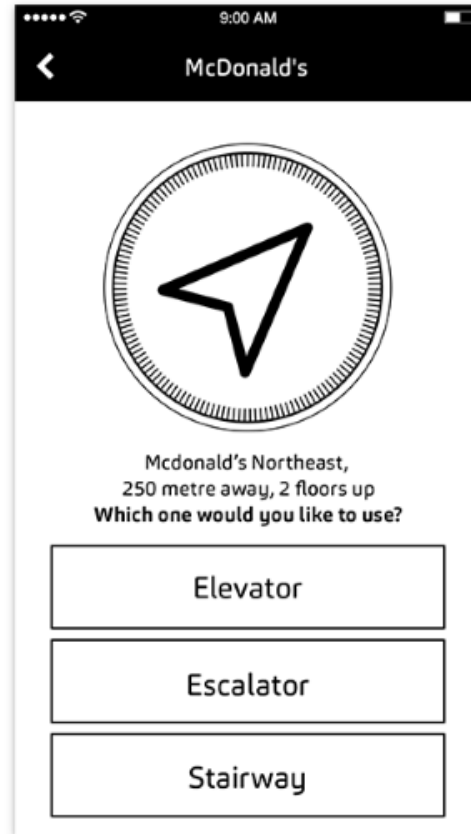


Step by Step Navigation

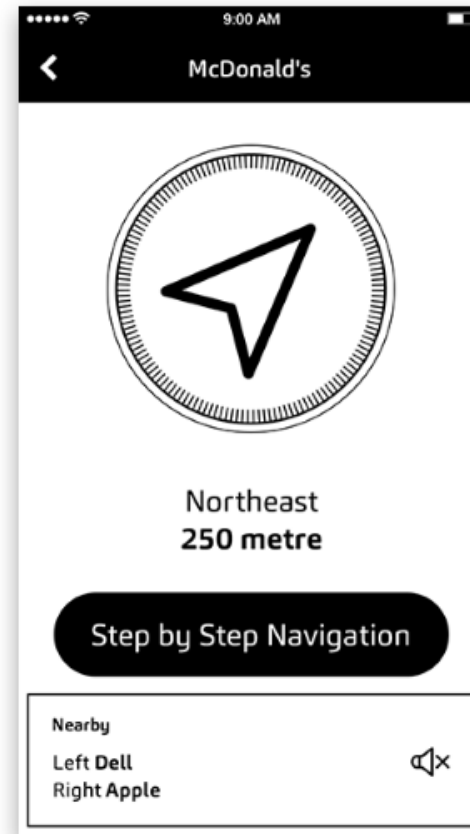
In complex navigation LOUD STEPS divides the routing into certain check points.

These check points could be walking through gates, using elevators, or turning a corner.

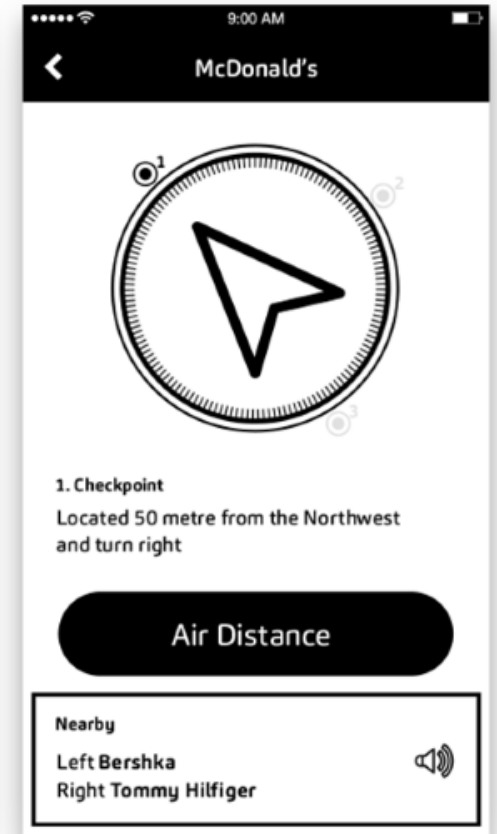
Therefore, the Step by Step navigation works as a reliable guide which makes a smooth navigation for visually impaired persons possible.



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