



# Spot

## Your guide to safe and walkable cities.

### Empathise (user insights)

- Many blind and visually impaired individuals are very mobile
- Rely heavily on walking to facilitate their use of all modes of travel
- Sense of trepidation when traveling alone to unfamiliar places
- Accessible designs are often only in one modality

### Define (the problem)

Lack of accurate information about the pedestrian environment and potential obstacles:

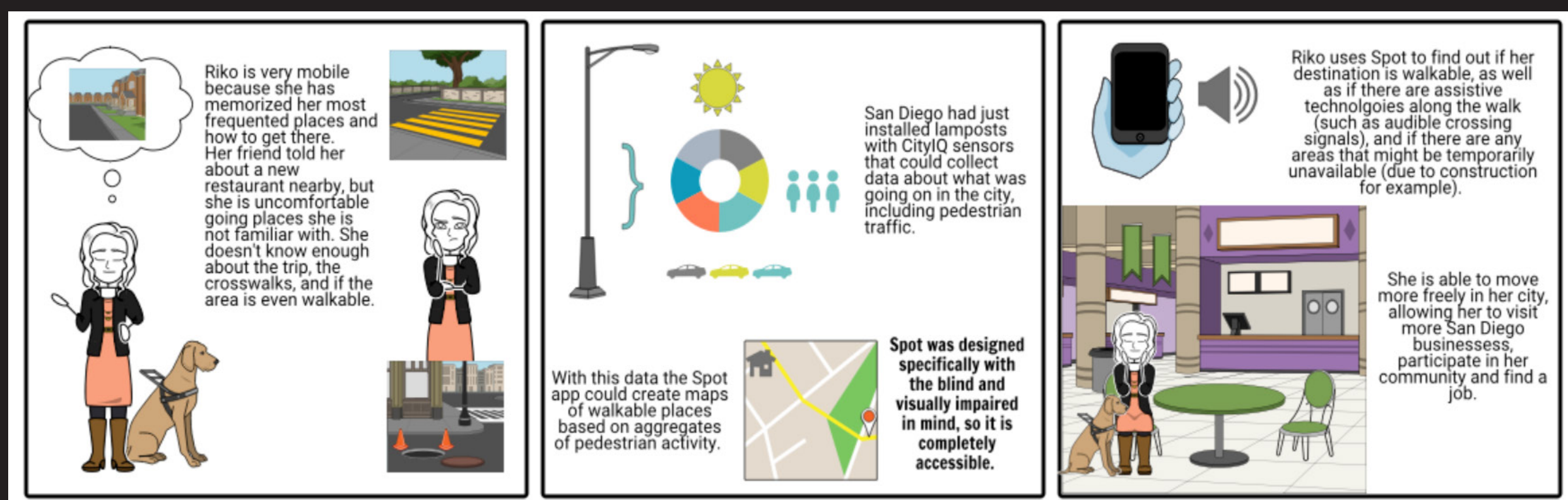
- Sidewalk accessibility or lack thereof
- Parking lots
- Unpredictable obstructions such as construction
- Availability of accessible technologies

### Ideate (the solution)

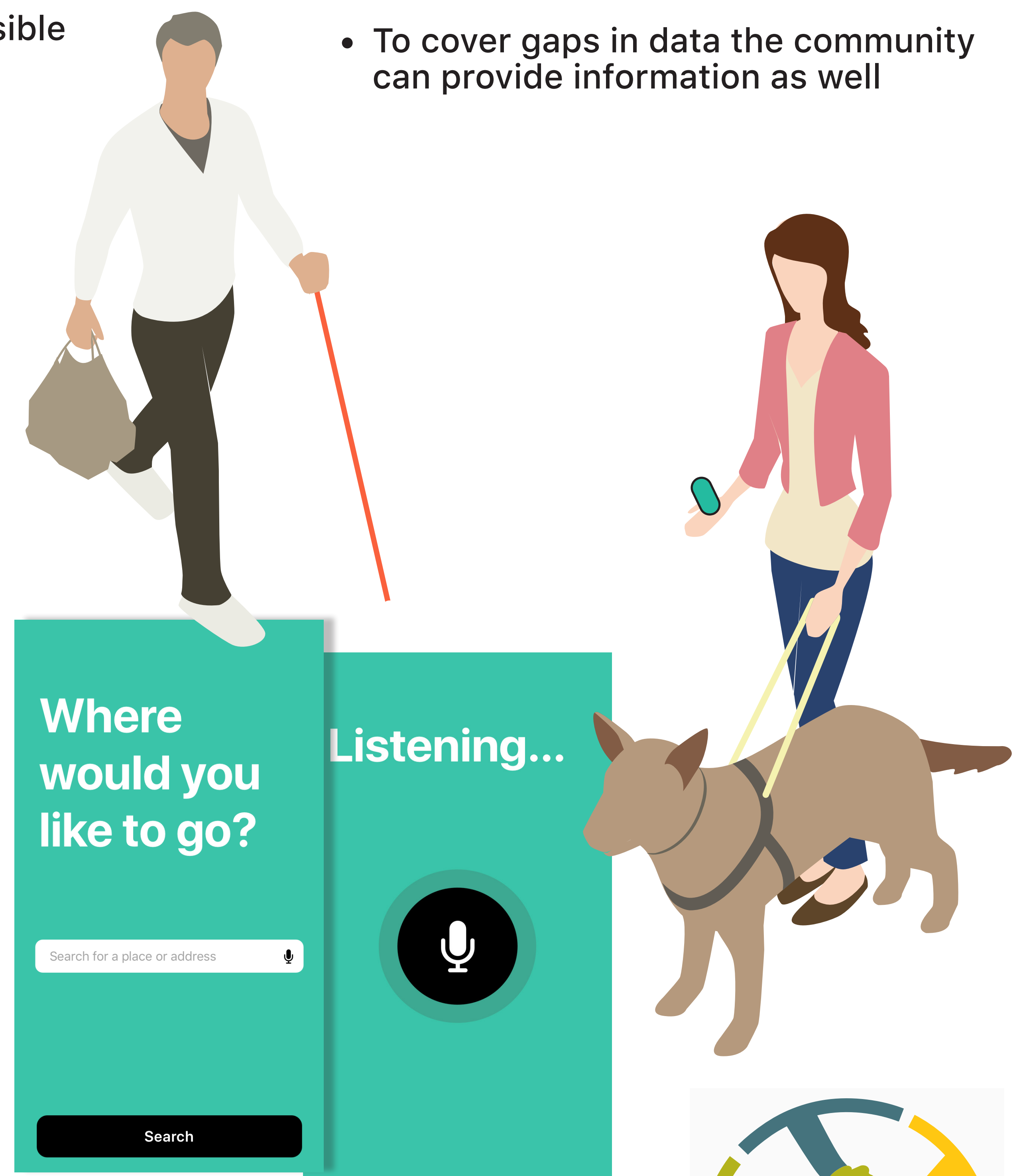
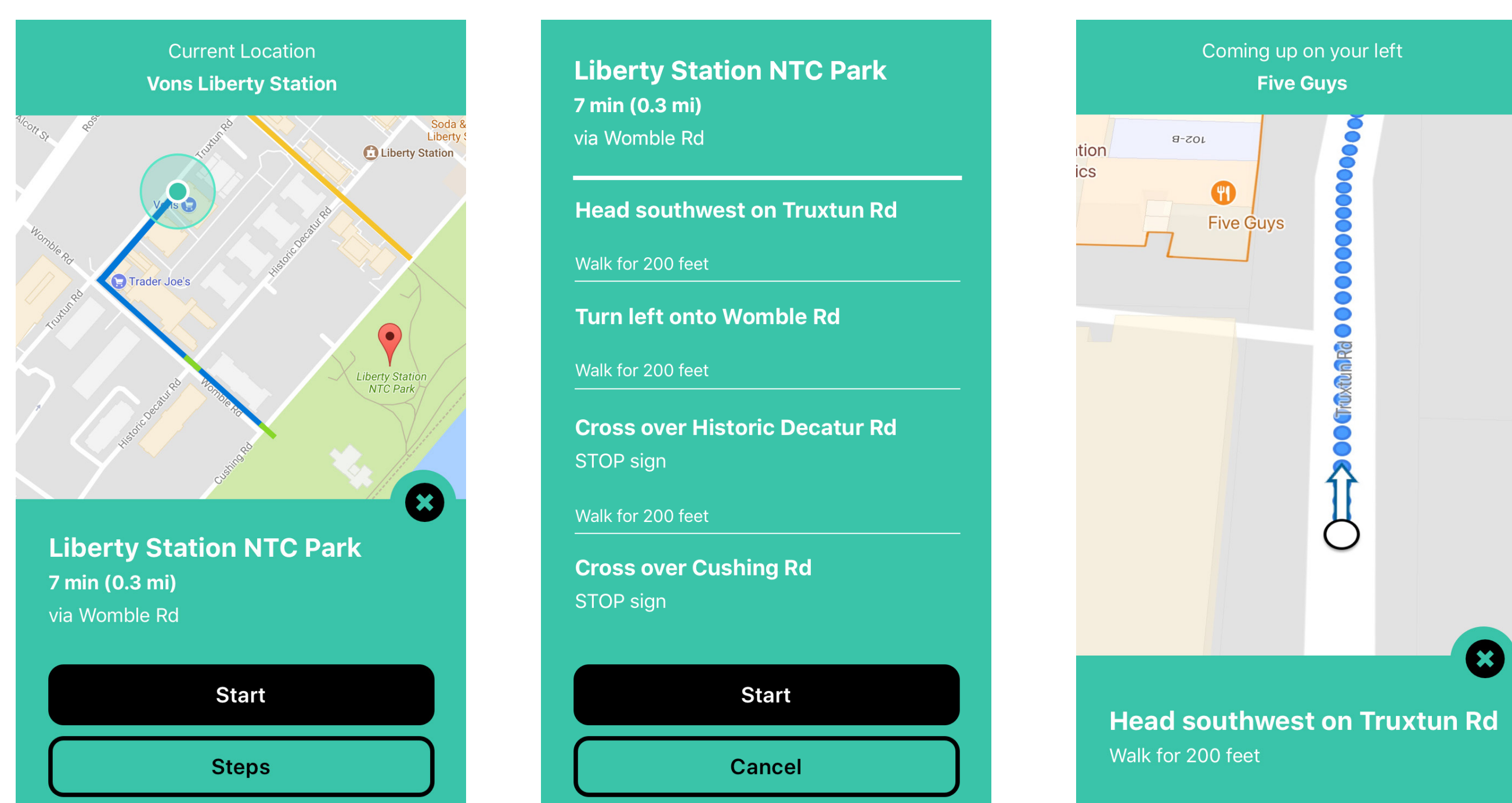
In partnership with GE, San Diego installed 3,200 streetlamps with CityIQ nodes. These collect a multitude of data streams

- Using data on pedestrian activity we can assign a walkability score to an area
- Scores are used to generate accessible routes, as well as notify users of day-to-day changes, like closed sidewalks
- To cover gaps in data the community can provide information as well

## Storyboard



## Prototype



## Social Impact

The information Spot provides helps people remain independent and mobile. Both are necessary for finding and maintaining a job, carrying out essential tasks like grocery shopping or doctors visits, as well as maintaining social support networks.