

Through Our Eyes

Your personalised community guide



Design Ideology

- Difficult to use data for offline communities
- Many young people like to travel off-the-grid
- “Hands Free” and non intrusive
- Use voice for instructions in a non-invasive way
- App largely left to run in background like Spotify
- Element of Discovery/Game

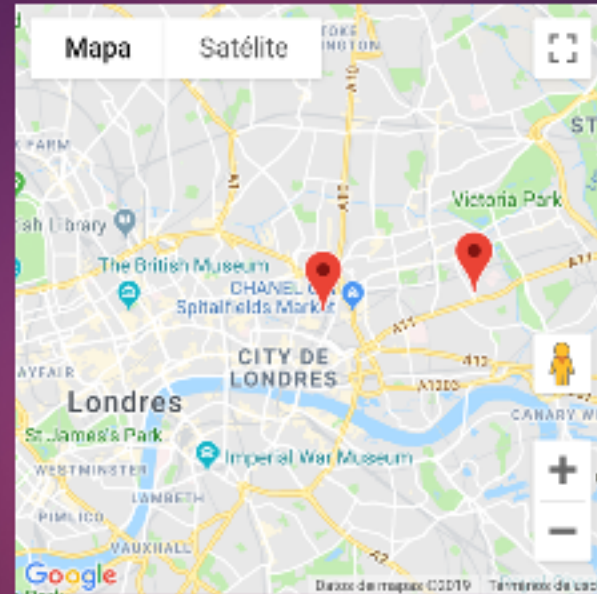




Hi, how can I help?

Front End Demo

Queen Mary - Walk Around East London



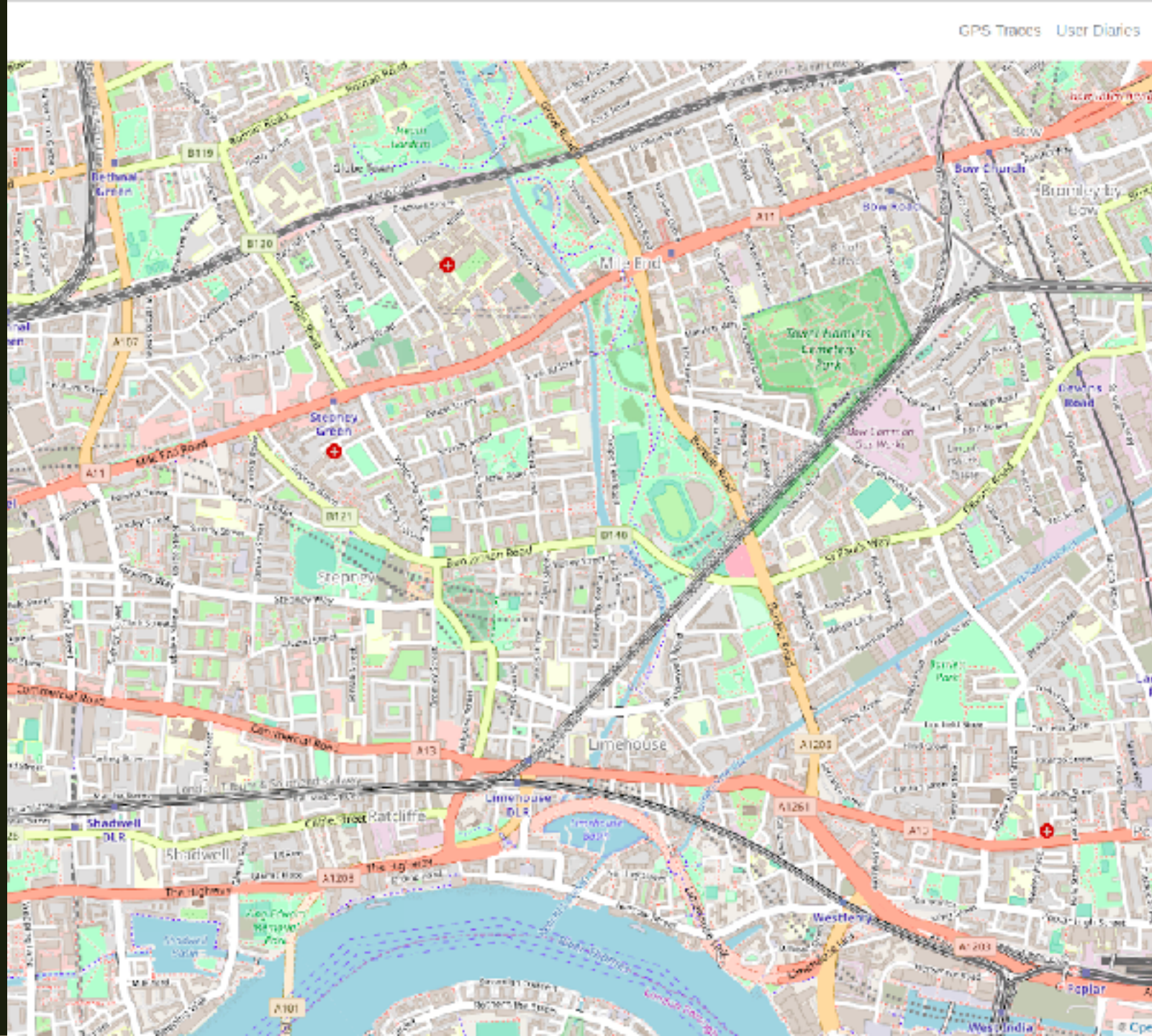
0:00



0:58

Finding Our Locations of Interest

- Backend integration with Openstreetmap AP
- Free and Open Source data set
- Encourages level “playing field” for local business



But what about Starbucks....

- Map searches filled with largely recognised chains
- This acts as an obstacle to discovery and so are filtered by suggested route
- Does not hurt business since people specifically search for “Starbucks” when tired as recognised
- Integration with Google Maps API allows for searching for this



Disability Choices

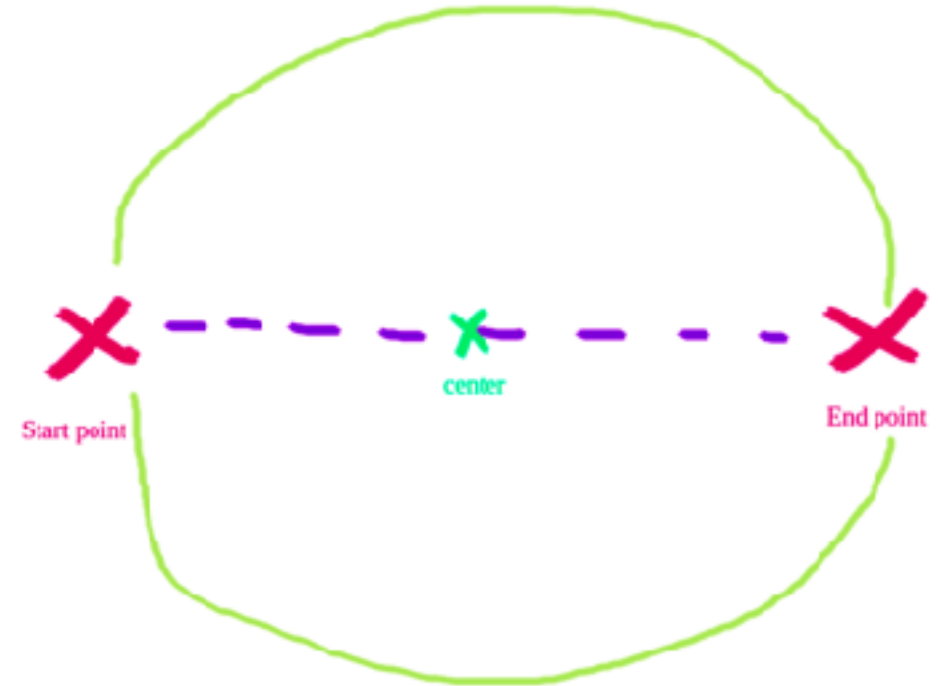
- Json infrastructure implements altering routes for physical disabilities
- Visual Front end for deaf or hard-of-hearing



properties.name	latitude	longitude	properties.wheelchair	type
Espacio Gallery	51.525530	-0.070351	limited	art
Cowling and Wilcox	51.526311	0.077848	NaN	art
Gallery 13	51.518460	0.078899	NaN	art
Frame Land	51.522199	-0.071529	NaN	art
William Booth	51.520352	-0.054238	NaN	historic
William Booth	51.520053	-0.055788	yes	historic

Finding Our Route

- Radius centred between starting point and destination
- Locations of interest are filtered based on interest and presence of good audio sources
- Plans for including user made locations based on number of user made markers in close proximity
- And audio journeys that can be rated





Plans for future

- Create an efficient adaptive routing algorithm -> not aimless
- Information cards pop up when directly facing site of interest
- Record journey and ask for feedback on route and locations and provide links to support say local charities
- Using the feedback from recorded journeys, reinforcement algorithms can be applied based on same interest, same visited places.
- Measure how long people stay in one place, and perhaps predict/ask user whether they found something not on the map. Suggest new pins
- Collaborate with local businesses and charities to build an API layer for easily importing already geolocated audio files

Thanks for
bearing with
us!

