Summary of Lil feed back on Vision Impair Navigation project

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Lil said localization ability test should be conducted.

* Improvement

Add doppler effect in platform, showing when and where trains are going

Add transition between locations.

Add sound of cane.

Add GPS sequence instruction in linear order, this is good for people with already good mental mapping skills

What need to be recorded:

\_ Different time of day

\_ Crowded/ pressure environment, this will prepare them and reduce social anxiety

\_ Cross road, showing what they could hear when they cross the road.

Directional description

* Need to have “learn element”.

1. Describe when users are aligned with train direction
2. Describe when users are facing perpendicular to train line
3. Describe when users are aligned with cross road, tactile pavers
4. Describe object they can hear in real-time to make educated guesses. Visual and non-visual cue smells, materials, temperature, wind, light pulse (for people with low vision), lift, entrance point, coffee grinder, barrier, toilet.

Reflect sound and consistent sound is also important

1. Describe the way out:
   1. Head Flinders corner
   2. Follow tactile pavers
   3. Hear the clock
   4. Locate transit places
      * This will help them get the big picture.
2. Help them find convenient spot to wait for someone
   1. Conner
   2. Spot where they can lean on or touch something solid => less on the way of other people
   3. Balance surface
3. Help them identify source of assistant
   1. Traveler A: an agent that provide guidance for the vision impairs
   2. PTV staffs

* Narration that line up with parallel sound.

1. Line up Swanston St and Flinders St
2. Line up train lines.
3. Line up with audio of directional tactile pavers

* This will act as physical mapping assistance and improve mental mapping skills of users.

Elements that help people with vision impairments:  
 \_ Reduce social anxiety

\_ Reduce risks

Lil found that moving path is not important

Lil also stated that ambient noise is more useful for people with good mental mapping skills

The app need more interactive ability.