NaviSense

Questionnaire 1

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Website: https://ubadahjs.github.io/requirementsCourse/

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Phase 1

SensoryNavSolutions Questionnaire

Understanding User Background and Needs:

1. How do you currently navigate indoor environments?
   a. Use of a guide dog.
   b. Use of a cane.
   c. Assistance from others.
   d. Use of existing technology (please specify).
   e. Other methods (please specify).

2. What challenges do you face most frequently when navigating indoors?
   a. Identifying my current location.
   b. Knowing when to turn and in which direction.
   c. Detecting obstacles in my path.
   d. Finding specific rooms or facilities (e.g., washrooms, exits).
   e. Timing and efficiency of movement.

Assessment of Technology Usage:

3. How comfortable are you with using smartphone apps for assistance in navigation?
   a. Very comfortable.
   b. Somewhat comfortable.
   c. Not very comfortable.
   d. Have never used smartphone apps for this purpose.

4. Which of the following features have you used or would feel comfortable using in an app? (Select all that apply)
   a. Voice commands for control.
   b. Audio feedback.
   c. Vibratory feedback.
   d. Gesture-based control.
   e. None of the above.

Requirements for Theia App:

5. What is the most important feature you would like in an indoor navigation app?
   a. Real-time obstacle detection and avoidance.
   b. Turn-by-turn voice-guided navigation.
   c. Quick identification of current location.
   d. Information on points of interest along the route.
   e. Emergency assistance feature

6. How would you like the app to alert you to obstacles or turns?
   a. Auditory signals.
   b. Vibrations.
   c. Both auditory signals and vibrations.
   d. Other (please specify).

7. In what way should the app provide navigation instructions?
   a. Detailed step-by-step instructions.
   b. General directions with updates as needed.
   c. Customizable level of detail based on user preference.
   d. Other (please specify).

Additional Features and Preferences:

8. How important is it for the app to adapt routes based on your familiarity with the building?
   a. Very important.
   b. Somewhat important.
   c. Not important.

9. Would you prefer the app to offer routes that prioritize safety over speed, or vice versa?
   a. Safety first.
   b. Speed first.
   c. A balance of both.
   d. Customizable based on the situation.

10. What additional features would you find useful in an indoor navigation app? (Open-ended)

Accessibility and Customization:

11. How important are customization options to you (e.g., voice speed, volume)?
   a. Very important.
   b. Somewhat important.
   c. Not important.

12. What kind of support or tutorials would you find helpful when first using the app?
   a. Voice-guided tutorial.
   b. Step-by-step written instructions accessible via screen reader.
   c. Video tutorials with captions and audio descriptions.
   d. Trial run with feedback.

Feedback and Improvement:

13. How willing would you be to provide feedback on early versions of the app to help improve it?
    a. Very willing.
    b. Somewhat willing.
    c. Not willing.

14. Are there any specific concerns or suggestions you would like the development team to consider when designing this app?

Closing:

15. Would you like to be involved in user testing for Theia?
    a. Yes.
    b. No.
    c. Maybe.

16. Any additional comments or suggestions?