User Manual: Navigation assistant with sonification

- 1. **Select a Scenario:** Use the scenario buttons to choose between different environments
 - a. Scenario 1: Simulates a subway station environment
 - b. Scenario 2: Simulates a grocery shopping environment
- 2. Blur Video Toggle: Enables or disables video blurring to focus purely on auditory cues
- 3. **Volume Sliders Toggle:** Switches between two sets of volume sliders to control different aspects of the auditory experience specific to the selected scenario
- 4. **Replay TTS Button:** Allows users to replay the last text-to-speech narration to ensure no information is missed
- 5. Preset Volume Buttons: Provides quick access to set the volume for user convenience
- 6. **Volume Sliders:** Customizable sliders for detailed volume control over different sound elements in the simulation

Sonification Scheme

- TTS interruptions: When TTS plays, the volume of ambient sounds and some alerts are reduced to minimize interference
- Proximity-Based Frequency Increase: The frequency of alert sounds increases as the proximity to an object decreases, enhancing spatial awareness
- **Directional Audio Cues:** Sounds play from specific speakers (left or right) to indicate the direction of the objects relative to the user; Please wear headphones for better experience
- High Pass Filtered Sonification: Used to indicate the destination located behind the user

•	Alert Sounds Variation: Different alert sounds are used to represent various object types,
	providing a distinct auditory cue