EyeBallin' Navigation System

User Manual

EyeBallin' is a system created to help you navigate indoors. This application was designed to work for the visually impaired as well as anyone who may need assistance navigating a building. We are committed to helping others and keeping our users satisfied. If for any reason you may have questions or complaints, don't hesitate to contact us at 1-425-595-8188.

This User Manual is created for a sighted assistant to help a visually impaired individual learn the application in and out.

Navigating to desired location

1. Open EyeBallin'.
2. The application will automatically prompt you for a location you wish to navigate to. It will say "Hello, Where would you like to go?" The user must say what room they want to navigate to.
3. The application will proceed to navigate them there.
4. If the user doesn't respond or the system cannot find the specified location. The system will give the user another chance to input a room number and will wait for the user to specify the location they want to go to.

   Ex. If you want to navigate to room 363 at WSU Everett you would say "Room 363" after the navigation system prompts you for a location to navigate to.

5. To navigate the user, the system will use commands to direct the user to walk straight, turn left and turn right. And it may even specify the user to turn a specific degree amount. Thus, it is recommended that the user be knowledgeable in geometry and especially in degree movements.
6. Once the correct location is reached, the user will still need to open the door to enter the classroom (if a classroom was their destination).

Standard Navigation settings

1. You may lower the sound volume of the navigation by lowering the volume on your device.
2. You may stop and close the navigation by closing the application.

Emergency Detection System

This application is designed to notify the WSU security officer when the user falls or gets hurt. There is a detection system onboard that senses motion and thus may pickup strong movement even if the user is Ok. It is recommended that the user be aware of this scenario and thus sticks to smooth maneuvers.

Emergency Safety Confirmation

When the system detects a fall, it will assume that the user is in immediate danger and will notify the WSU security officer. If the user is in fact ok and they wish to stop the system from notify the security officer the user must say "Cancel" otherwise after 10 seconds of no response (if the user doesn't say "Cancel") the system will send a notification message to security.