

Recitation 3
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Team members:

- Daniel Kim
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Topic:

- Media player

Interaction:

- Tactile only

Form Factor:

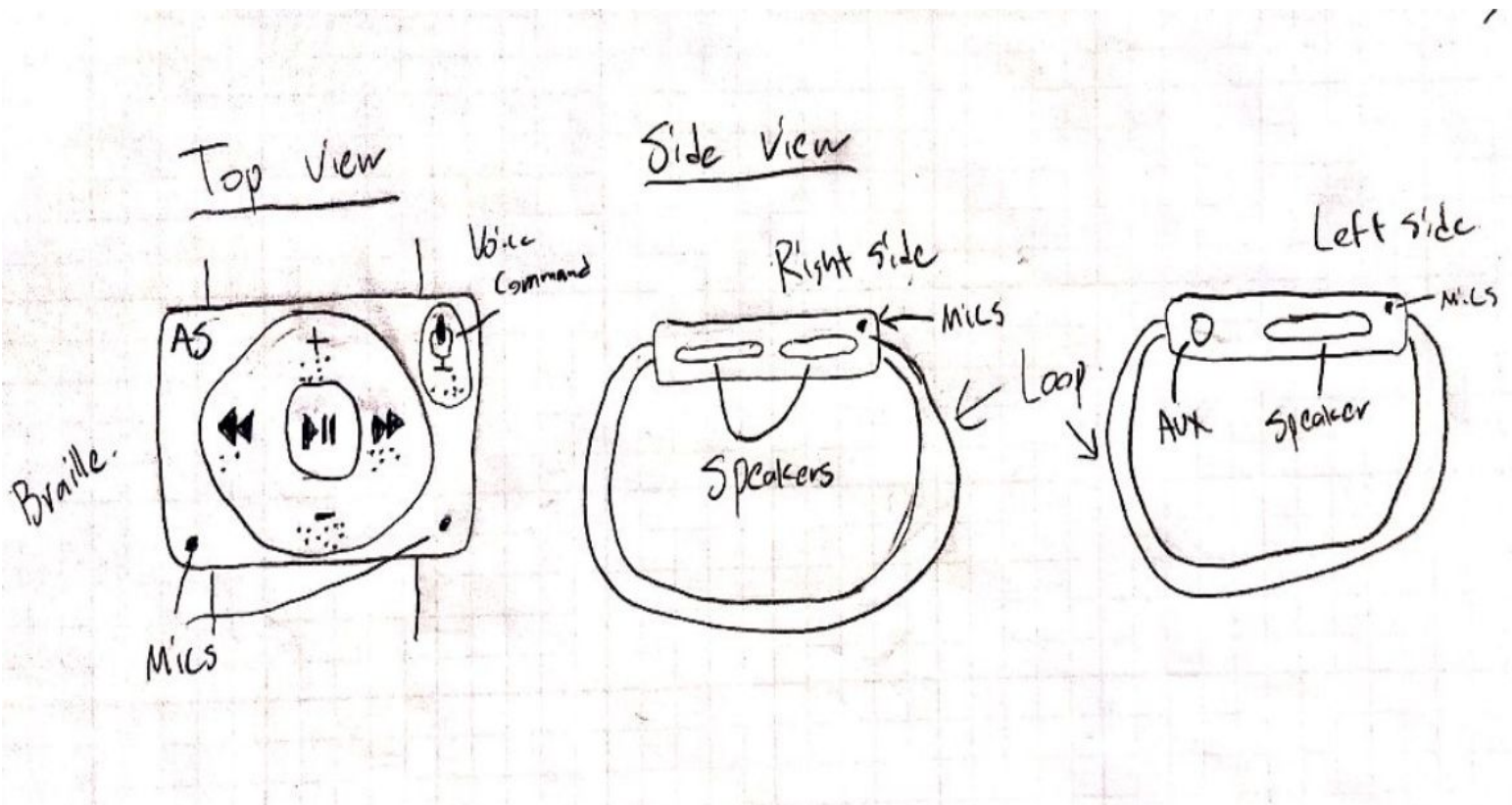
- Other wearable

Device:

- Accessible Shuffler

Device Description

There should be a device where blind people can easily listen to music and be able to manage music libraries and playlists. The device is called Accessible Shuffler and it is a tactile only media player that can be worn on your wrist. This device is accessible for blind people for having built-in speakers with voice commands on a simple touch button. In addition, there are buttons for "play/pause," "next song," "previous song," "volume up," and "volume down." To add on, on top of each button, there are braille so that people can figure out easier. Accessible Shuffler is a simple music player, but can perform a variety of tasks with many commands.



User and Device Interaction:

This music player uses Spotify to browse, look up, listen to music and even podcasts. The user can click the buttons to play, skip previous/next song, volume up/down, and voice command. The user can click and hold the Voice Command button to switch between Apple Siri, Google Assistant, and Amazon Alexa. The Accessible Shuffle can also recognize the user's voice and activate their voice commands if needed. The user can easily organize their music playlist by clicking the Voice Command button and saying which song goes into what playlist. In addition, the user can simply ask Accessible Shuffle to recommend their favorite songs or playlists. To exemplify, if the user wants to listen to classical music, the user can voice activate or click the Voice Command button and says "play Bach classical music." The outcome really follows whatever the user chooses.