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Use Cases

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Some of the possible use cases for the Android application have been identified on this page:

Client:

- the software paired with the bracelet will aim to generally improve users' spatial awareness
- the Android application can be used to connect to ABBI bracelets and optimize the interaction with them
- when connected to multiple devices, users can discover them via the Android client using the DiscoverMyAbbi feature
- configuration of the sound synthesis process to produce pleasant sounds according to personal preferences
- customization of sound playback by choosing from a list of '.wav' files depending on users' preferences
- using device specific sounds when multiple bracelets are connected to the client application
- use the battery status sound warning in order to determine when a re-charge is necessary
- utilise the Android client's UI textual labels/ descriptions paired with the TalkBack accessibility feature for improved interaction

Web Server:

- using the centralized web server to predict bracelet wearer's activity when connected (for example - moving or idle)
- inspect the collected log data to infer overall movement activity, discover trends
- monitor the bracelets' battery levels
- broadcast messages to all/ specific devices (to appear as pop-ups/ notifications)

ABBI3 System

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