TalkBox Device

EECS 2311

Project Requirements

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**1 Introduction**

* 1. Purpose

TalkBox is intended to help users unable to produce speech. The device contains pre-recorded audio files the user can access via a user interface. These audio files simulate speech for the user.

Moreover, the device is configurable. Thus, those in relation with the impaired user can set the device accordingly.

* 1. Scope

The TalkBox device is intended to be used by both the impaired user as well as their caretakers. The device provides functionality to provide multiple use cases.

1. **Use Cases**

**Use Case 1:**

**Actor:** Impaired User

**Use Description:** The user wants to load a specific audio set

**Basic Flow:**

1. The user launches the TalkBox device
2. User selects which audio set to load from the menu
3. User clicks on the configure button to launch the user interface with the selected audio set loaded

**Use Case 2:**

**Actor:** Educator

**Use Description:** The user wants to record audio to add to an audio set

**Basic Flow:**

1. The user launches the TalkBox device
2. User selects desired audio set.
3. User clicks on record button.
4. User records their audio via microphone on their PC
5. Recorded file is added to the selected audio set from step 2.
6. **Acceptance Tests**

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| **Process** | **Expected Result** |
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