Project: EECS 2311 Software Development Project
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Version: DRAFT
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Reviewed by:

Overview:

The Authoring App is an app that is intended for the use of educators to aid in accessibility for the hearing and visually impaired. The objective of this app is to imitate the function of a Treasure Box Braille. A Treasure Box Braille is known as a device that helps kids learn how to read Braille. This is done by presenting Braille characters/words to the user who can then respond by pressing buttons. This device helps to ensure that children are able to learn and also provides the educators with an option to load and create different scenarios.

This software provides a user-friendly interface that helps the educators to create, edit and play different scenarios for education purposes. The app also includes screen reading capabilities for individuals who are visually impaired to aid them in working the program and computers.

Scope:

In Scope:

The goal of this project is to create our software in a user-friendly way, this includes allowing individuals who may have no back ground in software, and/or coding to be able to easy use the program and navigate through swiftly. The program is catered towards visually impaired users by implementing a text-to-speech feature into the existing screen readers. Our aim is to have the program be very simple and instantly convert any story line/ scenario that the educator may have written directly into braille cell and onto the screen reader.

Requirements:

- Software must be usable for visually-impaired users
- Software must be able to work with screen reader
- Software must be able to support 2/3 of the three platforms: Linux, Windows, Mac