Requirements Document

The Treasure Box Braille (TBB) system is a device that is used to help visually impaired children learn how to read in braille. The TBB system presents characters and words in braille to the user who answers the questions by pressing a set of buttons.

The TBB also allows non-visually impaired users to create different scenarios for the TBB to read and to help their visually impaired student.

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| Case # | Use Cases Description |
| 1 | Reading Scenarios   * Scenarios can only be read if file name and contents are valid * The software interprets scenarios correctly and follows instruction in the scenario |
| 2 | Creating Scenarios   * User can use software to create a new scenario file and specify the contents * The file that’s created automatically follows all conventions required for scenario files * Existing scenario files can be edited by the user using the software to add, remove and edit the current scenario. |
| 3 | Recording Audio   * User should be able to record audio and save it in the correct format using the program. * User can refer to the created audio file by making the software add a reference to the scenario file. |
| 4 | File Explorer   * User should visually be able to see the computers directory and contents to choose and create scenario files. |
| 5 | GUI   * User interface should be easy to use and have all the functions that are implemented in the software’s model. |

Our groups working on a piece of software called the Authoring App which will allow users to create a scenario, record audio for these scenarios and to save and load these scenarios. The software is also readable by software-based screen readers such as NVDA (Windows) and ORCA (Linux).

Acceptance test cases:

1. User can read scenarios that are in the correct format.
2. Can create scenarios and are automatically put in the correct format.
3. Audio can be recorded and saved as a wav file and referred to in the scenario file.