**Treasure Box Braille (TBB) Application**

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***Requirements***

**General Use:**

Our application is designed to provide an environment that allows the kids and educators to create and edit simple text scenarios with braille prompts. The editing portion of the application allows the user to freely skip, repeat certain phrases or words in the text scenario. The application is designed to be fully functional by a visually impaired user with accessibility containing hover functionality to audibly read buttons and labels. Furthermore, the application also provides audio recording facilities to supplement any text/response with audio.

**Use Cases:**

The application will specifically allow for the following functions:

* Create a new text based scenario with customized prompts for each text entry.
* All text entries, referred to as nodes, can also have audio recording provided by the user
* A node can have multiple responses, allowing for multiple branch nodes based on which response was chosen. Multiple responses can also point to the same node.
* A pre-existing scenario may also be loaded by the user and edited, either removing, adding or modifying nodes and/or any responses to each node with respect to skipping and repeating functions.
* Each response may provide an audio cue recorded by the user most typically by hovering over the Java components, or by after entering a prompt on a text field.
* The application will also support playing of a scenario, allowing users to preview their scenarios.
* Audio recording is activated at command allowing the user to record and manipulate that recording whether textually, or audibly.

**Acceptance Test Cases:**

* Does the application provide a description in English of every element within the application?
* Does the application allow the user to create a scenario from scratch within the application itself?
* Does the application allow loading of a text file so that they can preview or edit their scenario?
* Does the application provide audio recording for every node or response created for each node?
* Does the application provide scenarios built to have a branching path or a linear path?
* Does the application accurately display braille as indicated by the user?
* Does the application accurately pick up audio recordings for modifications?
* Does the application allow for recording to textually manipulated?
* Does the application allow for freely maneuvering between creating, recording, editing nodes?
* Does the application demonstrate specified pins?

***User Manual***

**Installation**:

* Upon having the application found as a .jar file, double-click on the application icon, prompting you to choose a storage space for the application itself. Upon ru