# Test Documentation

## Testing Philosophy

Our software enables educators to create and edit scenario files for use with the Treasure Box Braille Learning System. This scenario editor will be useable by all users regardless of visual impairment. To accommodate those users, a screen reader will be integrated with full functionality. Therefor testing needs to reflect these multiple usage cases.

## Test Plan

### Front End Testing

The functionality of the user experience interfacing with the software needs to be tested.

### Back End Testing

In addition to testing a functional user experience. Testing the correctness of class methods with respect to their class access permissions will validate the quality of the software and ensure a correct educational experience for both the scenario editors and scenario users.

## Test Scenario

### Visual Testing

This testing involves interfacing with the software through the user interface (UI). The UI is implemented using Swing, and therefore is platform independent.

### Audio Testing

## Test Case

### JUnit Testing

Junit tests are to be created according to the Test-Driven Development process.

## Traceability Matrix