TalkBox Testing Document

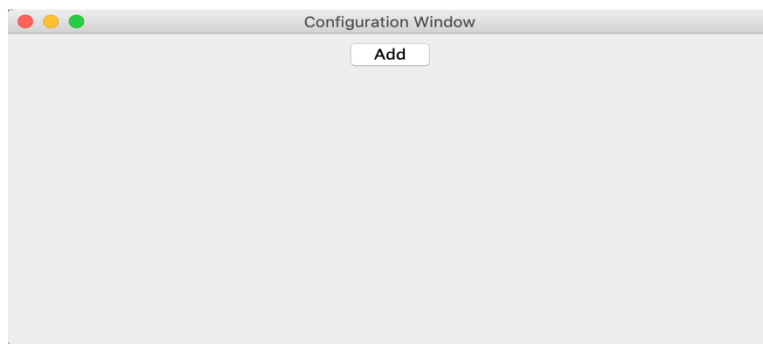# Group 8

I. <u>Configurator Testing:</u>

1. <u>Creating 1 button:</u>
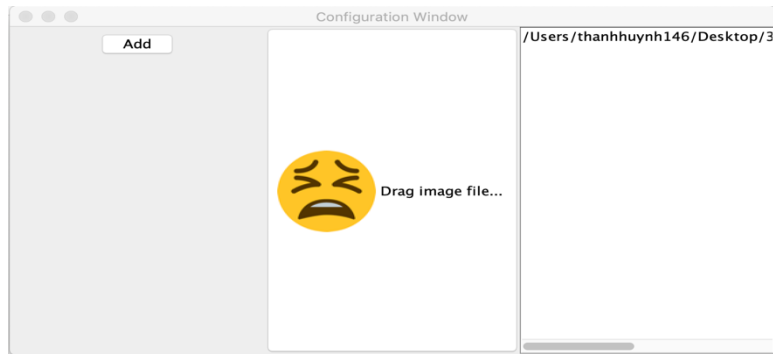
- Testing process:

    a) Run the Configurator App. The configuration window is open as follow:

    b) User will then click the "Add" button to create the first button for the Simulator.

    c) Then, the user can drag the image and the sound to the given spot accordingly.

2. Creating 5 buttons:

- Testing Process:

    a) Run the Configurator App. The configuration window is open as follow:

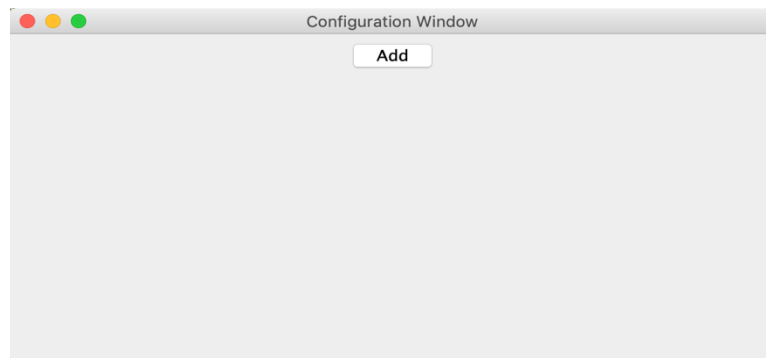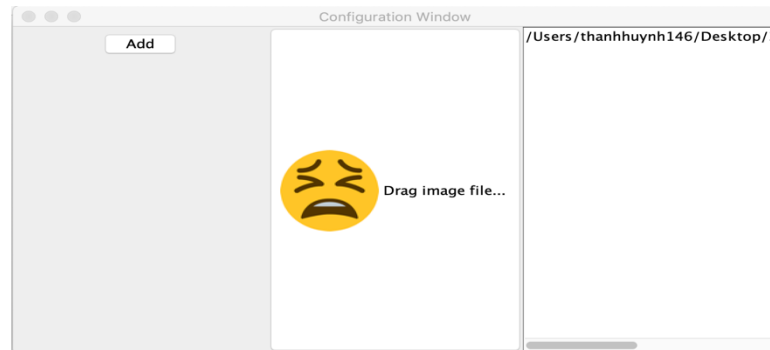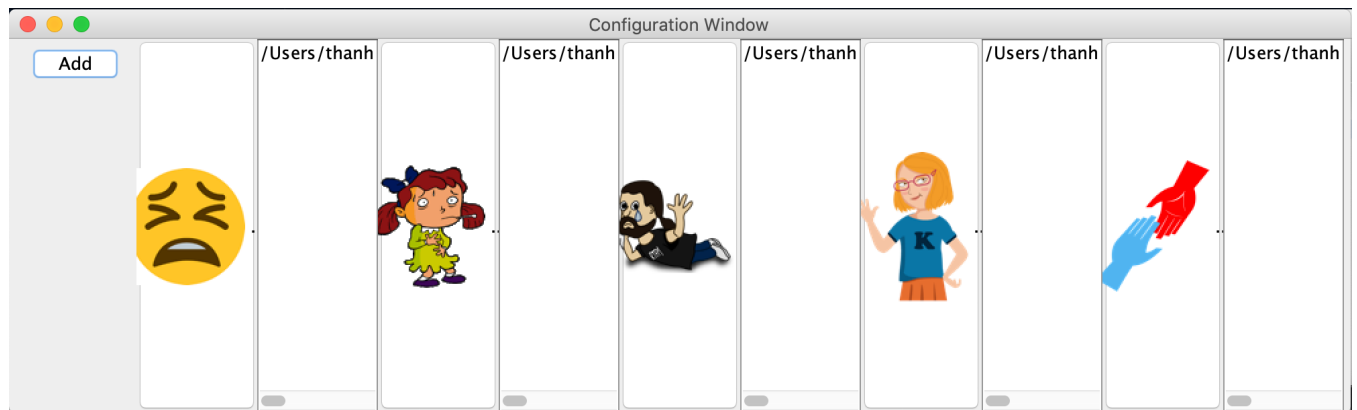   b) User will then click the "Add" button to create the first button for the Simulator.

c) Then, the user can drag the image and the sound to the given spot accordingly.

d) User will then click the "Add" button to create the next button. This process is repeated for the next 4 buttons.

3. Invalid Image and Sound Format:

This test case is designed to determined how the Configuration App will behave with invalid type of image and sound format. When trying to drag and drop invalid such types, the Configurator will deny them and such files won't be added and shown in the configurator.
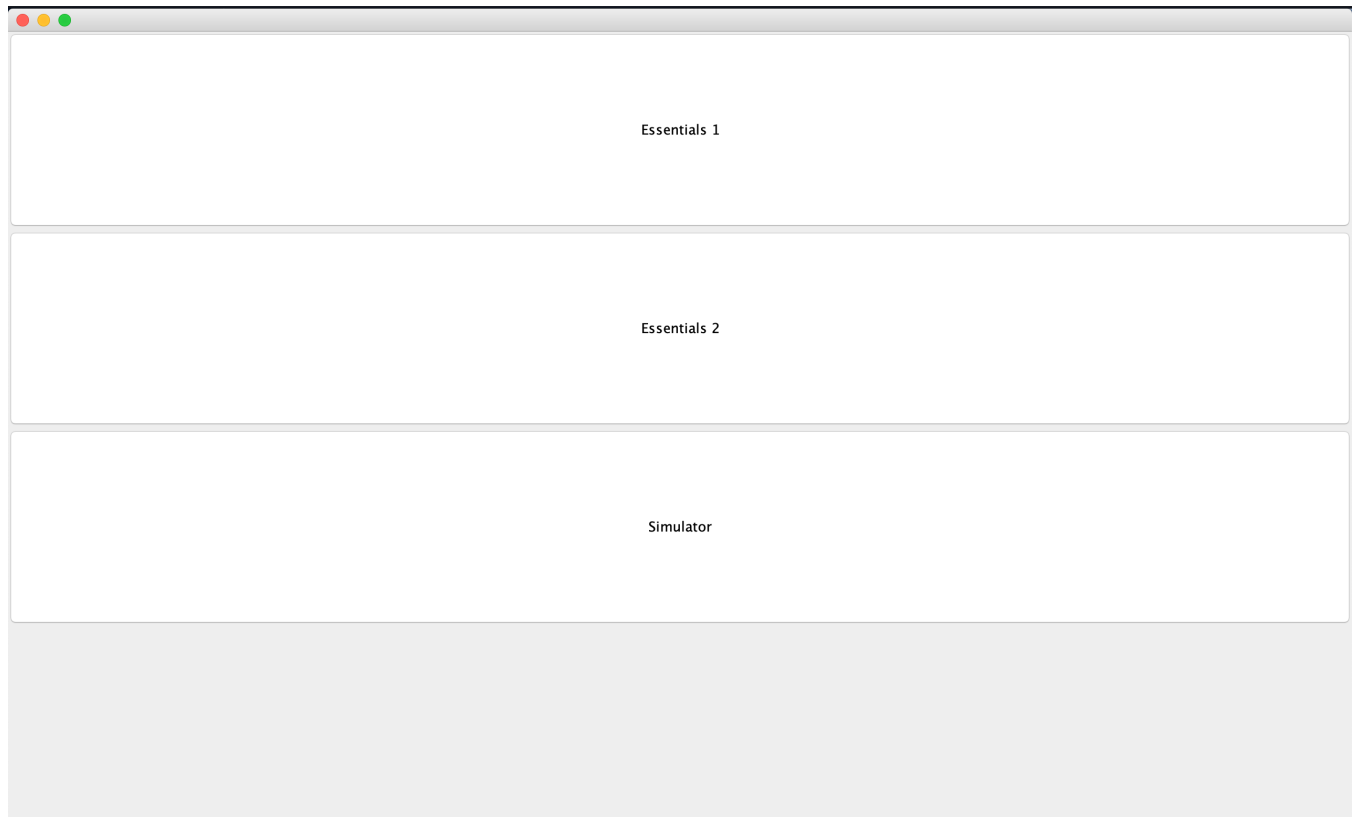
4. Test Coverage:

Element	Coverage	Covered Instructions	Missed Instructions ⌄	Total Instructions
▶ J TalkBoxConfigurator.java	82.9 %	552	114	666

Coverage was found to be 82.9% for the Configurator Testing. This due to the testing only covers the specific and main functions of the Configurator and there are also missing scenarios and features that are needed to tested.
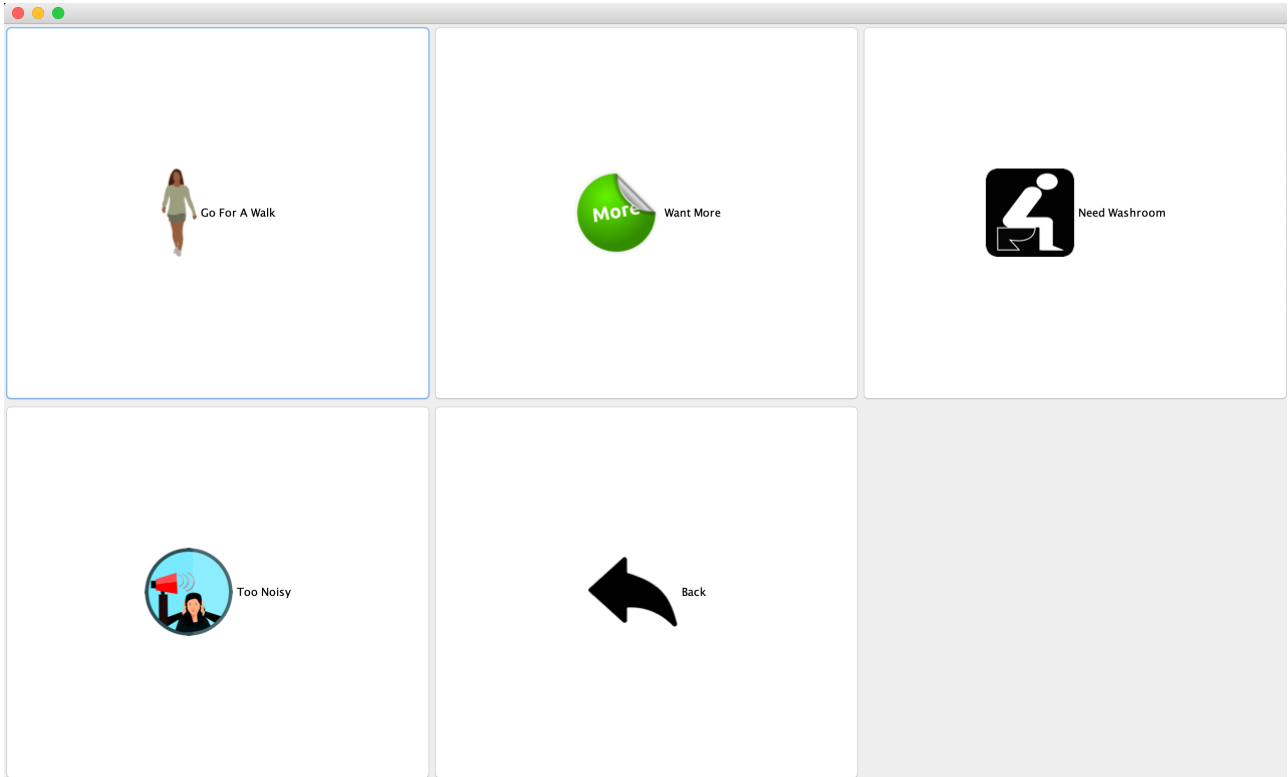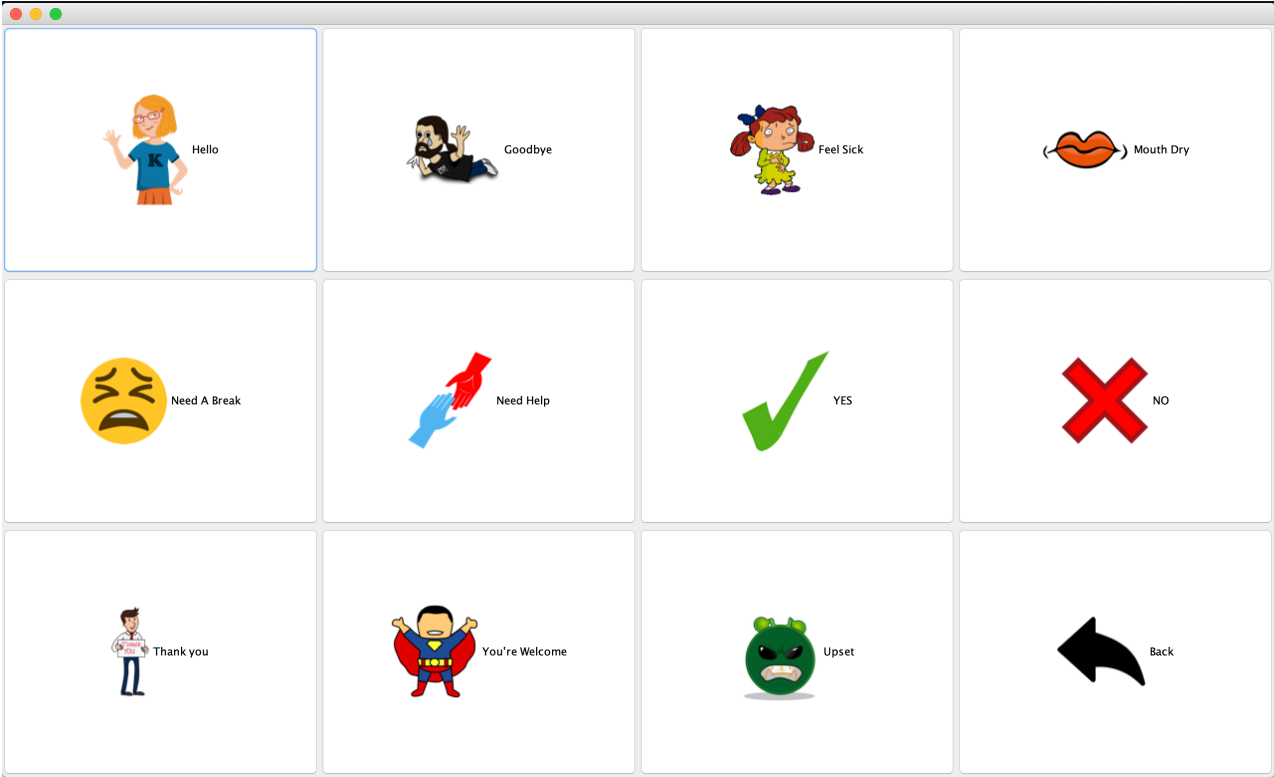
II. Simulator Testing:

1. Default UI:

Default UI will display the default buttons with default images and default sounds.
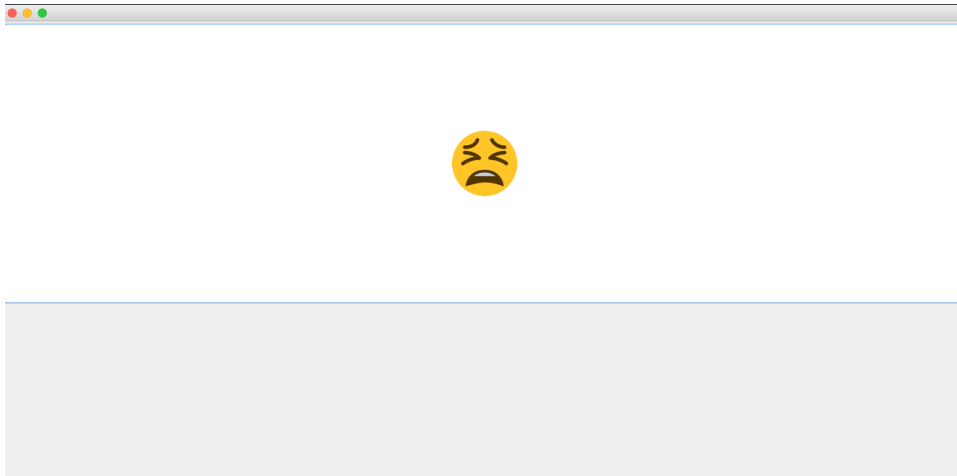
- Click on Essentials 1 and Essentials 2 accordingly:

  Inside Essentials 1 and 2 are the default buttons. User can add more buttons using the Configurator App. Those buttons will be store in the Simulator Section.

Hello	Goodbye	Feel Sick	Mouth Dry
Need A Break	Need Help	YES	NO
Thank you	You're Welcome	Upset	Back

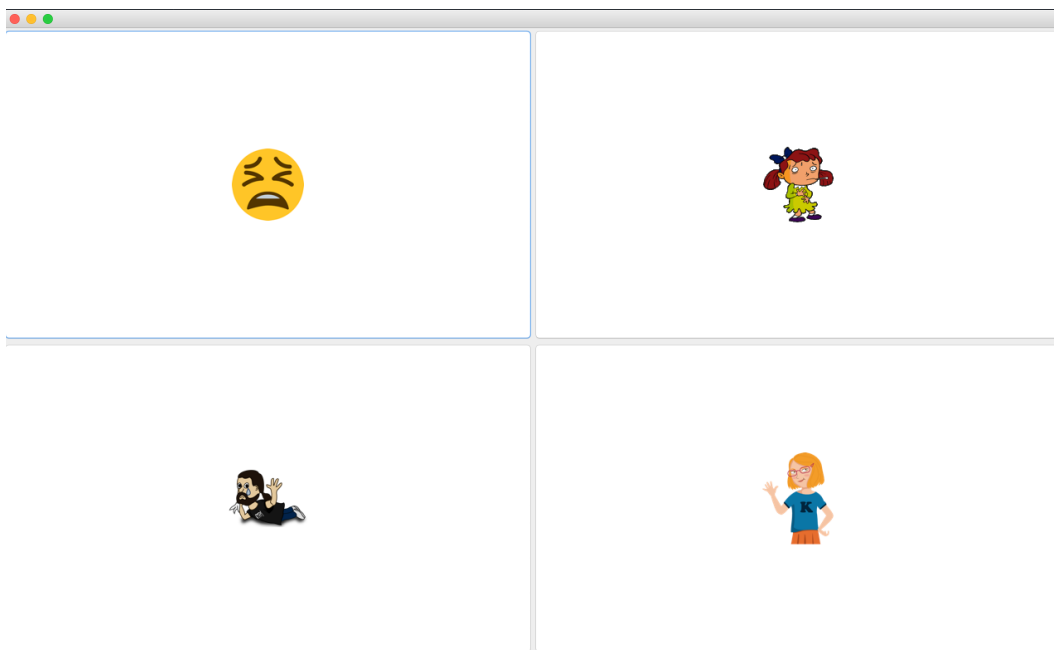|		
Go For A Walk	Want More	Need Washroom
Too Noisy	Back	

2. <u>Creating 1 button:</u>

    After using the Configurator to generate the button. It will then be stored in the simulator.

    The created button will have the image and sound according to the image and sound given in the Configurator.

3. <u>Creating 5 buttons:</u>

    The created button will have the image and sound according to the image and sound given in the Configurator.

4. Test Coverage:

TalkBoxSimulator (24-Feb-2019 11:28:07 PM)

Element		Coverage	Covered Instructions	Missed Instructions ⌄	Total Instructions
▼ 📂 TalkBox		47.4 %	1,444	1,601	3,045
▼ 📁 src		47.4 %	1,444	1,601	3,045
▼ ⊞ (default package)		47.4 %	1,444	1,601	3,045
▶ 🇯 essentials1.java		94.8 %	660	36	696
▶ 🇯 essentials2.java		95.5 %	317	15	332
▶ 🇯 TalkBoxSimulator.java		95.1 %	196	10	206
▶ 🇯 simulator.java		96.8 %	271	9	280