

ECM2415 Software Engineering

Continuous Assessment

Addendum to Specification

Big in Japan

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Audio Feedback

The Simori-ON would benefit from audio feedback.

When the device is turned on by pressing the “ON” button, it should play the “welcome sound”. This a short, distinctive sequence of notes that fills the user with a sense of joyful anticipation at what is to come. Similarly, when the device is turned off by pressing the “ON” button, it should play the “goodbye sound”. This is another short distinctive sequence of notes that fills the user with a carefree satisfaction at what has been done.

In modes other than Performance Mode, the Simori-ON user can enter invalid data. For example, too a high loop speed, an illegal instrument number, or the name of a non-existent file. In these modes, the “OK” button should play the “happy sound” when valid data is entered before returning to Performance Mode. This is a short, distinctive sequence of notes that gives the user the sense of a treat awarded. Otherwise, it should play the “sad sound” and remain in the current mode. This is another short, distinctive sequences of notes that gives the user the sense of a treat denied.

Shop Boy Mode

The Simori-ON would benefit from a demonstration mode that shows off its capabilities to potential customers.

When the device is turned on by pressing the “ON” button, then if the next button pressed is “OK”, the device enters **Shop Boy Mode**. In this mode the device continuously loads

and plays a medley of tunes chosen to attract potential customers. Each tune is played for 30 seconds. The device then remains in **Shop Boy Mode** until the “OK” button is pressed again, after which it continues to **Performance Mode**.

Among the suggestions for tunes that have been made are drum machine classics, such as New Order’s “*Blue Monday*” and Ultravox’s “*Vienna*” and bass guitar classics, such as Queen’s “*Another One Bites the Dust*” and Pink Floyd’s “*Money*”. Of course, every instrument should play Deep Purple’s “*Smoke on the Water*”. However, many alternatives to these tunes exist. Give some a try!