

A BRAILLE KEYBOARD FOR MOBILE DEVICES

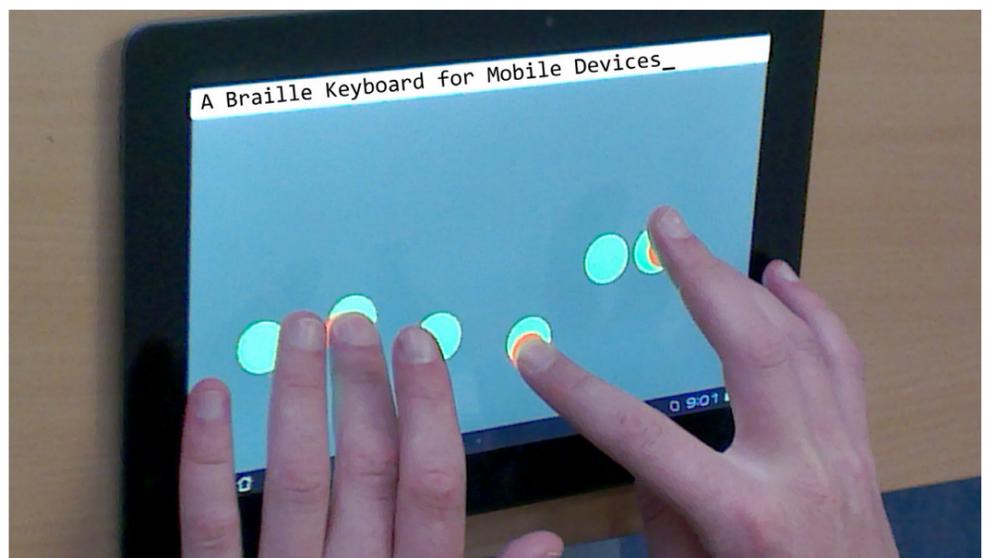
Text input on mobile devices is mainly done with a virtual keyboard. The standard virtual keyboards are accessible for blind users with screen readers (Talkback or VoiceOver).

However blind users are not able to type as fast as a sighted person on those virtual keyboards.

A touch based Braille keyboard would therefore greatly accelerate text input on mobile devices. Using a Braille keyboard means for the users to enter a character by touching only those spots on the screen that represent the points of the corresponding characters in Braille.

The fingering on the virtual keyboard should match the fingering on a Braille typewriter when typing the character.

The main goal was to implement a prototype application for a mobile tablet device that implements a Braille keyboard.



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