

## Technical Requirements

Requirement Topic	Requirement
Physical keyboard completion	Keyboard should be fully wired. All keys must be in communication with the software, and wires should be entirely under the keys.
Contrast	The user can adjust the contrast. Background and text should be adjustable between white, black, red, yellow, green, and blue.
Transparency	The user can adjust the transparency from 0-100%.
Font Types	The user can select Garamond and Sans Serif font options.
Font Size Range	10-100 point
Key Size	The user must be able to adjust the onscreen keyboard key size to fit their preference.
Preference saving	The program must save and keep all changes to accessibility options between launches.
Auditory feedback	The keyboard must provide auditory feedback to the speakers/headphones of the computer.
Touch Detection with Proximity Sensors	The capacitive sensors must detect a touch on the outer surface of a key without the user needing to touch the capacitive sensing node.
Touch Detection Functionality	Touch detection functionality will need to be given to all the keys on a 60% keyboard.
Latency	The duration between when the sensors detect a touch and when that touch is displayed on the app needs to be less than 70ms, as typically users cannot easily notice delays that short.