

Demo Contract

Group 8

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Eye-Clicker - Demo Contract

Goals

1. Eye-Clicker will be able to track where on the computer screen the user is looking and display it on the screen. This will be done with the use of sensors and the user's computer to process.
2. Eye-Clicker will allow the user to enable a mode to move the cursor to the places they look at on the screen.
3. Successfully allow user to calibrate settings to improve the accuracy of cursor position vs spot the eye's are looking at.
4. Eye-Clicker will be accurate such that the error (cursor position subtracted from spot the eye's are looking at) will be less than 5cm, 80% of the time when the user is at a distance of 55cm to 65cm away from the computer screen.
5. Eye-Clicker will track where on the computer screen the user's eyes are looking at with a latency of less than 350msec.
6. Eye-Clicker will allow the user to left-click and right-click.