**Problem**

Individuals with cognitive and physical disabilities and simply those who lack digital literacy have difficulty using the internet due to poor accessibility, fear, lack of knowledge, and cyberrime.

**Problem Characteristics**

- In 2021, 75% of U.S. adults who were above the age of 65 used the internet. (Johnson, J.)
- 2 out of 5 senior citizens over the age of 65 have a disability. (Centers for Disease Control and Prevention)
- The FBI reports that the number of cybercrimes against those aged 65 or older is rapidly increasing (Mustang, A.).
- In 2020, more than 105,000 complaints of victims aged 60+ who experienced losses of more than $966 million USD (National Press, F. B. I.).
- 97.4% of home pages analyzed did not meet one or more criteria from Web Content Accessibility Guideline (WCAG) 2.0 accessibility standards. (Bureau of Internet Accessibility.)

**Solution**

Easy-Clicks, a browser extension, that can reduce the risk that those with impairments or disabilities will face from malicious links looking to steal their information or hack their computers, while also giving them a simple, easy to use, interface that is accessible to those with disabilities and impairments.

**Solution Characteristics**

- Easy-Clicks offers an experience that is unique to each user that is designed to fit their individual needs.
- Easy-Clicks offers an accessible, easy to navigate homepage for Wards to reduce complexity and lower technological barriers.
- Easy-Clicks offers different Security Levels designed to fit user needs, that can be changed at anytime by the Guardian.
- Easy-Clicks allows for Guardians to set up restrictions for their Ward and give them access to the safe and easy access to the internet.
- Easy-Clicks helps Wards to email or video call loved ones within their homepage from their Contact Book that will be set up by the Guardian.
- Easy-Clicks gives Guardians the capability to block or allow websites automatically or manually with reporting on each URL visited.
- Easy-Clicks creates trend reports on internet usage by the Ward for the Guardian, allowing them to choose to increase or lower security.

**Innovative Features vs. Competition**

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**UI/UX Screens**

**Guardian Homepage**

Users signed up as a Guardian will have this homepage. Here they can modify their Ward Permissions and the Ward Contacts. Guardians may also create groups under Ward Grouping, to put in the same security features for multiple Wards assigned to them.

Guardians can also view reports on their Wards through the Analytics feature. This will display what websites their Ward has tried to access, whether they were safe or not, and the timestamp of the access.

In the top left dropdown, Guardians have the ability to Add and Remove Wards, and also report bugs they find in the Administration.

With the Contact Ward button on the bottom left, Guardians can contact their Ward by making a video call to them, to check in or help them if needed.

**Guardian Pages to Control Ward Settings**

Users Guardians are able to control settings that are put in place for their Ward(s). This includes the security level, font size, and contrast setting, allowing for different needs being met for different Wards.

Guardians may also edit Contacts that are in the Ward’s Contact Book. The Contact Book allows quick communication for Wards to their favorite people through Email or Video Calls.

**Ward Homepage and Easy Clicks**

Users signed up as a Ward will have the homepage. Here they can modify their Contact Book that will be set up by the Guardian. They can also view their Allowlist and Blocklist that was set up by the Guardian, but they can change their preferred list and use the other in the top left. In the dropdowns in the top, they can choose, how much of their privacy to see in their Home. They then have access to Easy Clicks through their homepage.

Easy-Clicks is a browser extension, that can reduce the risk that those with impairments or disabilities will face from malicious links looking to steal their information or hack their computers, while also giving them a simple, easy to use, interface that is accessible to those with disabilities and impairments.

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**Prototype MFCD**

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