CyberBlock Future Implications

Overview:

Medical device manufacturers, healthcare providers, and regulators are increasingly facing issues with the security of medical devices. While making medical devices more secure can be simple, the trade-off is the loss of efficient devices. Cyberlock is an intuitive training application for workers involved in the medical device security field. The product is designed to imitate the card-based game known as CyberBlock. Players will use their web browser to navigate to the game website

Future prospect:

Medtronic will primarily use the application in training its new hires against real-world cyber threats. The server will eventually be taken off the free version of the Heroku platform and migrated to the internal Medtronic server for more robust security. By 2022 people across Medtronic will have access to CyberBlock.

Potential Improvements:

1. Proper countermeasure against web attacks.
2. Handling reconnection.
3. Accommodate refresh.
4. Inclusive of all three tiers of difficulty mode.
5. Add Accessibility.
6. Enhance UI with animation.
7. Add Google Analytics to track traffic.
8. Addition of more attacks and defenses to the database.