DEADLOCK

Group # 52

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Project Name - Deadlock

This project implements a versatile safe-box lock system that enhances security through dual authentication methods. Users gain access by providing either a passcode or a fingerprint scan, similar to modern mobile devices. This system offers these key features: Enhanced Security, User Convenience, and Potential for Customization.

Project Description

"The increasing need for enhanced security measures in personal and professional spaces led us to develop Deadlock."

Objective: "We aimed to create a cost-effective, Arduino-based lock system that's easy to use yet highly secure."

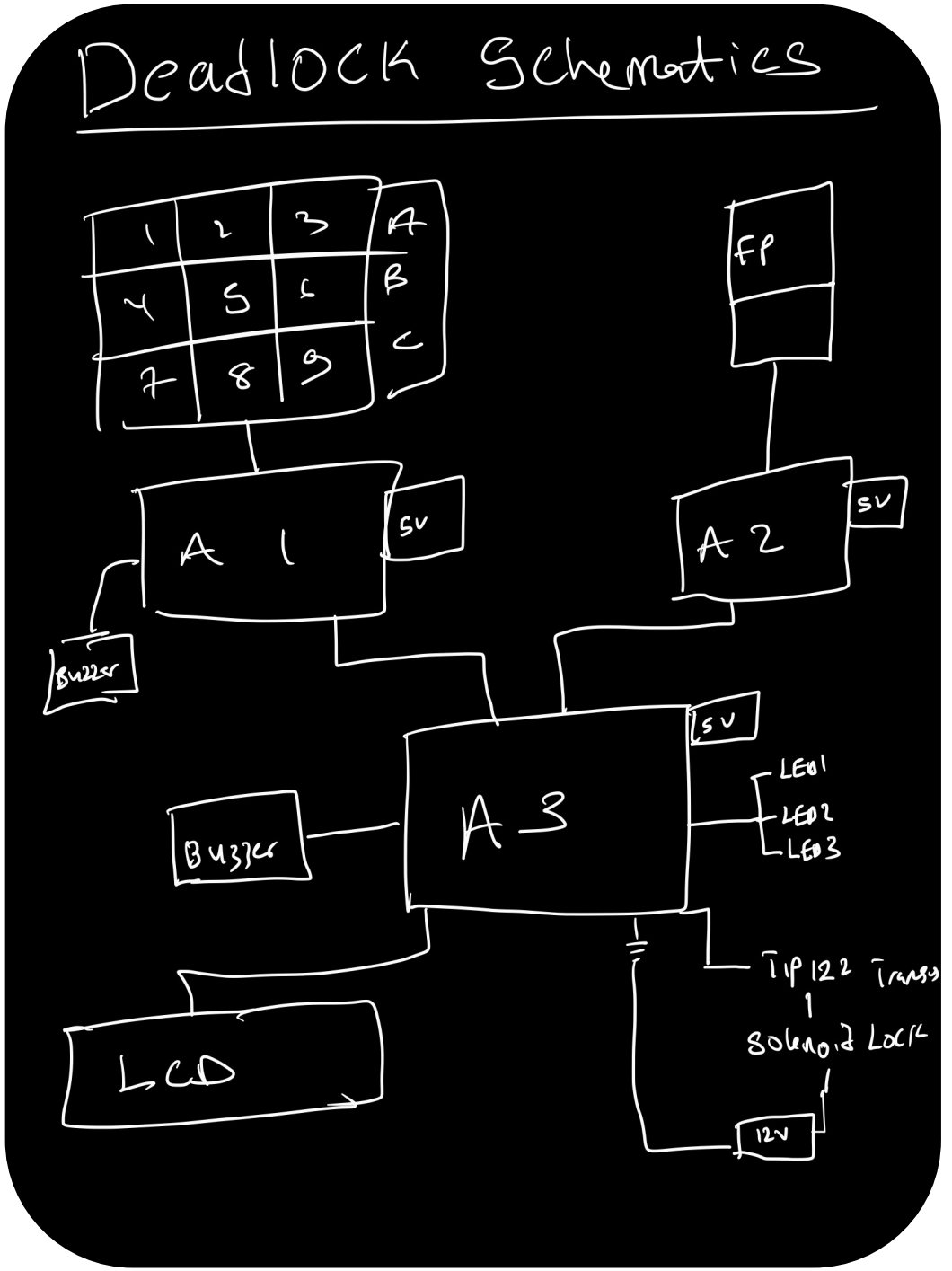
Significance: "Dual authentication stands out by providing an additional layer of security, setting a new standard for safe locks."

Originality and Innovations

DUAL AUTHENTICATION MECHANISM WITH KEYPAD AND FINGERPRINT SECURITY

USER FRIENDLY INTERFACE

I2C COMMUNICATION



What works ?

- I2C COMMUNICATION
- 12 V POWER ADAPTER
- INTERRUPTS

What doesn't work ?

- SERIAL COMMUNICATION
- USING TWO - 9 V BATTERIES IN SERIES
- DELAY

Team Roles

- **Maryann played a crucial role in ensuring effective communication and maintaining well-organized documentation.**
- **Victor’s s understanding of hardware systems and expertise in Arduino communication were instrumental in setting up the necessary infrastructure.**
- **Micah's adeptness in Arduino software played a pivotal role in programming and optimizing our system, adding a layer of efficiency and functionality to our project.**

Q&A and Acknowledgments

"Thank you for your attention. We're now ready to answer any questions you may have."