Arduino mystery chest

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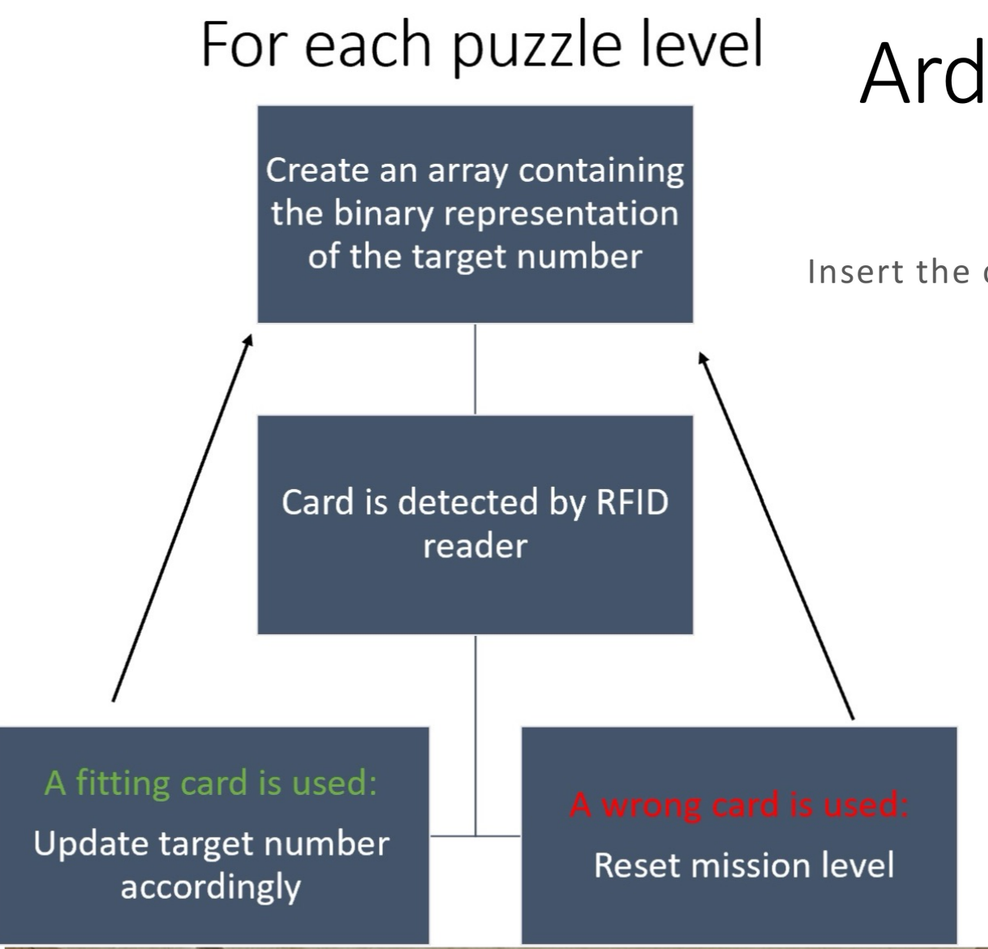
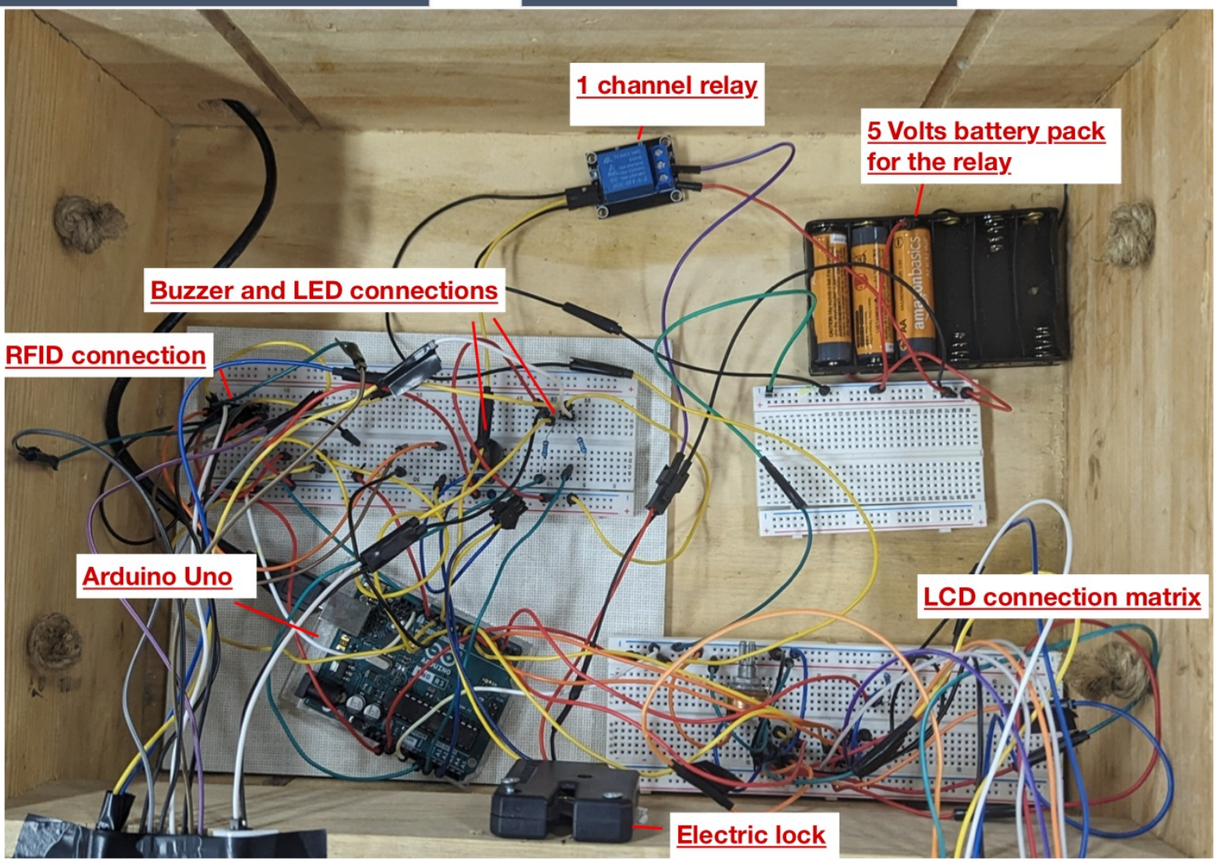
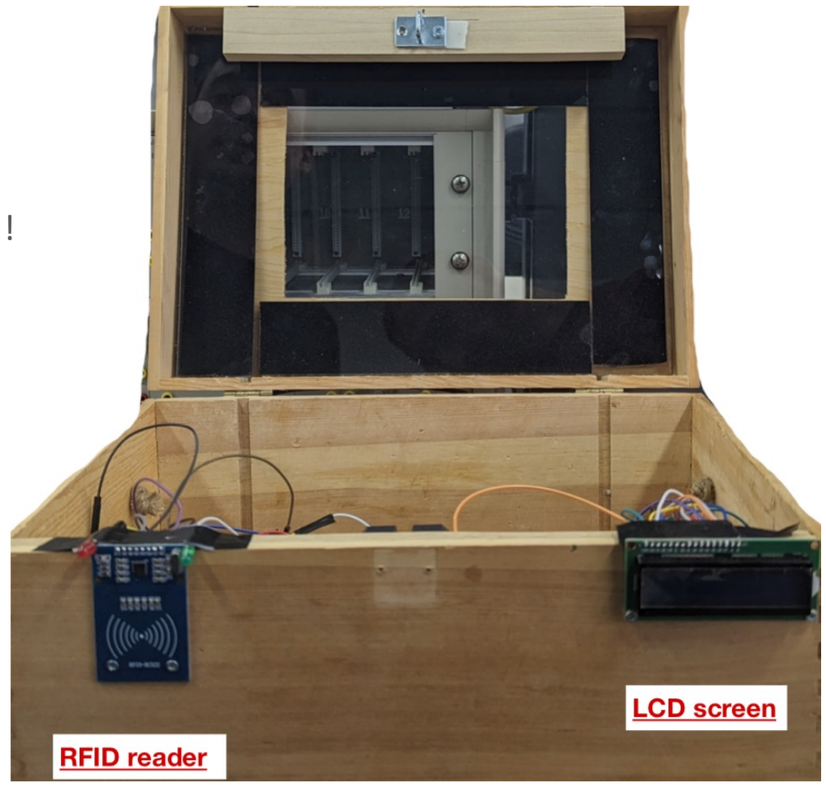
Insert the correct answer and get on to the next stage!





Components used in the project

- Arduino Uno
- 1 channel Relay
- 5Volts Battery pack
- Electric lock
- LCD screen
- RFID card reader
- MFRC 522 cards
- Red and green Leds
- 3.3Volts buzzer



Project Stages:

1. Understanding the Goal, Features, and Needs: Define the project's objective, such as creating a secure chest that unlocks using RFID cards, along with user feedback through LEDs and LCD screen.
2. Learning About Every Electronic Component: Research and understand the functionality, specifications, and usage of each component, including the Arduino Uno, RFID reader, electric lock, etc.
3. Building the Project Skeleton: Set up the basic framework of the project, including connecting the components to the Arduino Uno, wiring the circuit, and establishing the initial connections.
4. Writing the Project's Software: Develop the code to control the behavior of the Arduino Uno, including reading RFID cards, displaying instructions on the LCD screen, and controlling the lock mechanism.
5. Feature Updates and Upgrades: Enhance the project with additional features, such as multiple user access levels, customizable combinations, or remote monitoring capabilities.
6. Putting Everything into the Physical Layout: Assemble the components into a physical prototype, ensuring proper placement, cable management, and structural integrity.
7. Final Editing and Presentation: Fine-tune the project, debug any issues, and prepare for presentation or demonstration to showcase its functionality and features.