Mini-Project: Security System 2

Create a security system that turns on an LED after pushing the correct code into two buttons.

Suggested Prerequisites

• Circuits Intro
• Programming Intro
• Conditional Statements
• Loops

Specification

• The system should have two pushbuttons. (We will name them A and B).
• When the system starts, the user should press the passcode into the buttons.
• The passcode should be 4 characters long.
  o For example, if the passcode was AABA, then the user should press A twice, B once, and A once
• If the user enters the correct 4-character password, a green LED turns on indefinitely.
• If the user enters the wrong 4-character password, a red LED turns on indefinitely.
• Use the RESET button to restart the program.