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Final Project Proposal

For this final project, I would like to be working on the Simon project. There are 4 LED lights and 4 buttons for this game project. To briefly explain this game, you need to remember the sequential pattern lighted on the LED light and getting it by pressing the buttons. For each continuous round and multiple rounds, the short explanation above will be repeated and increment the pattern by one, so it will make this game more tricky as it continues.

Furthermore, this project will also utilize LCD screen to display and report scores, win/lose and notification that when the game starts and ends. The components I will utilize are 4 LEDs, 4 buttons, LCD screen, jumper cables or wires, Atmega1284 Micro-controller as shown below.

< Components for Simon project >

4 x LED

4 x Button

1 x LCD screen

Jumper cables or Wires

1 x Atmega1284 Micro-controller