Password Protection System

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Objective: Build a simple password protection system using a set of switches or buttons as inputs to enter a password.

Features:

1) System should have a provision to set/reset the password.

2) Password should be a 4-digit decimal number.

3) Entering the wrong password consecutively for 3-times will permanently lock the system, unless unlock by the admin.

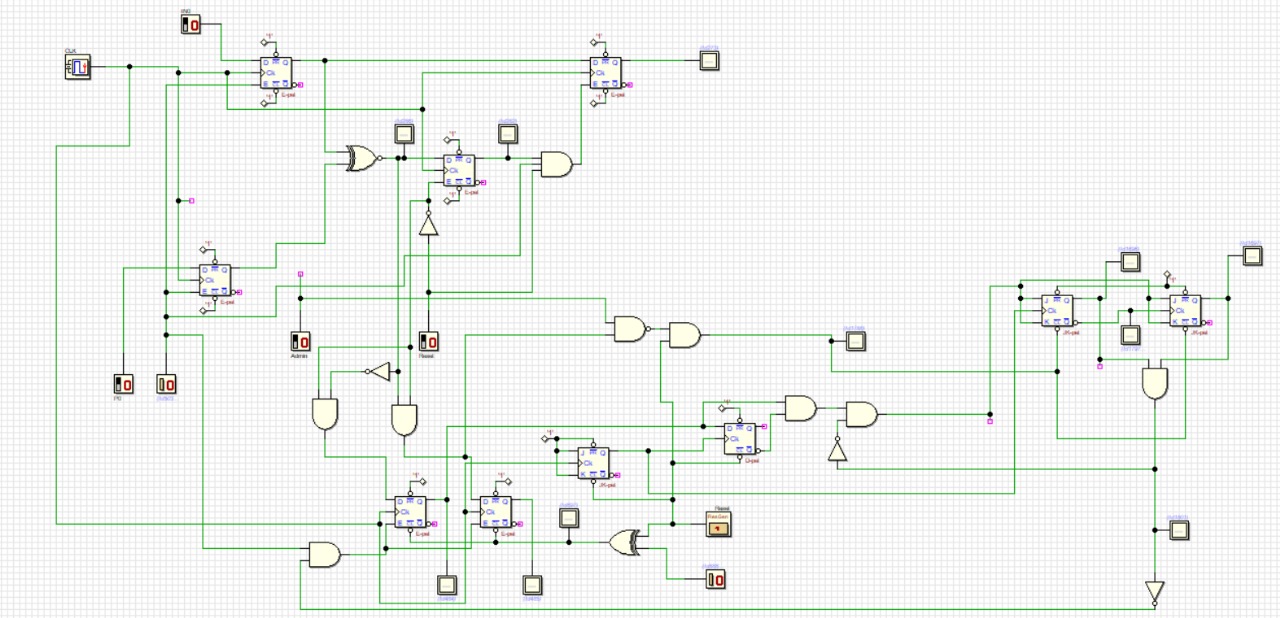
Requirements: It should be built by combinational and sequential circuit components only.

Overall Circuit Schematic

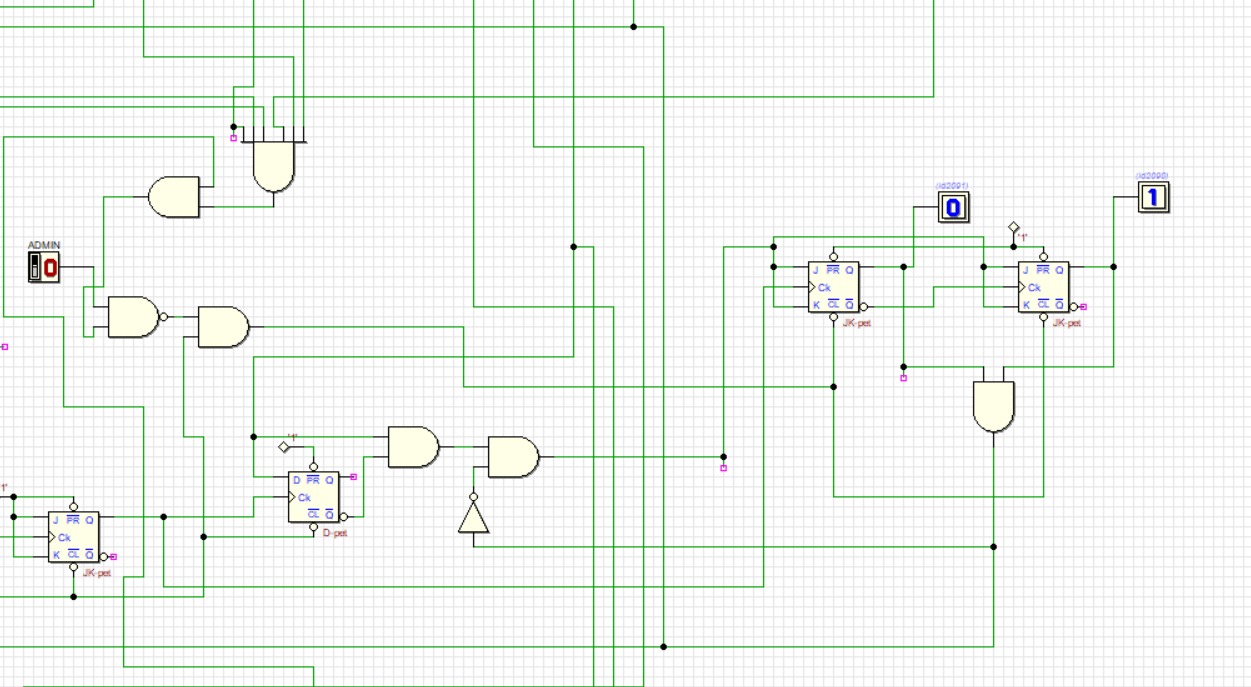
A computer circuit board with many green lines

AI-generated content may be incorrect.

Single bit Schematic



Counter(to count number of incorrect inputs)



Correct or incorrect output with LED

A diagram of a computer

AI-generated content may be incorrect.

Reset and enter button Password locked when count=3

A screenshot of a computer program

AI-generated content may be incorrect. A diagram of a circuit

AI-generated content may be incorrect.

Input 16 bit password (BCD)

A computer screen shot of a diagram

AI-generated content may be incorrect.

Try Again Button

