Home

Current Courses

CSE 231
CSE 332
CSE 499A

Projects

CSE332 Project
CSE231 Project
CSE 499B
Thesis

Teaching Resource

Course Outline
Lecture Slides
Lab Manuals
Homework
Exam Question
Results

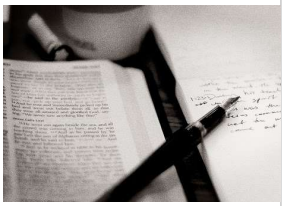
Previous Courses

CSE 496
CSE 331
CSE3215
CSE-2214
CSE-110
EEE-211
EEE-212
EEE-407
ECO-505
CSE-211
CSE3216 Project
CSE 331 Project

More Stuff

Class Announcements
Office Hours
Vacancy

Meet Your Teacher



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News Link

Authorship: Who's on first?
Stupidity in scientific research
I've taken things,I have a passion for
Stay Hungry,Stay Foolish

CSE 231 >

CSE231 Project

Title : Design Pattern based digital lock system

Input: The users will be provided with a keypad for giving input to the system.

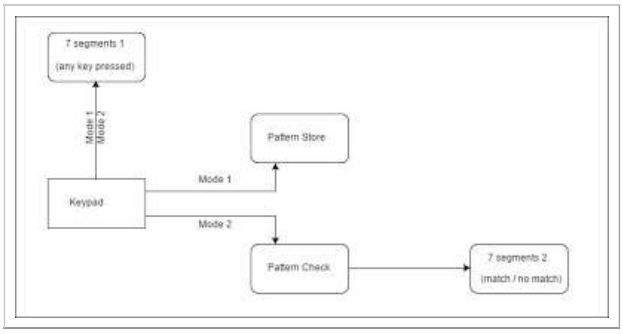
Output : There will be two types of 7 segments.

7 segment 1: Any input given through keypad will be displayed here.

7 segment 2: If the pattern is correct the result will be displayed in this 7 segment display. Result can be just a letter printed on the 7 segment (O/N).

Modes: A user will have two modes to operate the lock. In mode 1, the user can store a specific pattern. In mode 2, user can input a pattern that will be matched with stored pattern. Mode 1 is an advanced requirement and should be attempted only when mode 2 is complete. Mode 2 is the minimum requirement of the project.

Sample pattern: The pattern will be fixed for those completing only mode 1. It will consist of the 5 digits in following sequence - sec. no followed by group no and last 3 digits of ID. Say, If you are from Sec 5, Group 4 with an ID 13306996042 the fixed pattern will be 5 4 0 4 2. If different group members have different last 3 digits, you can pick one of them.



Block Diagram of the System

Submission type:

1. logisim circuit
2. Detail design (pen and paper)
    a. Specification with blocks
    b. Truth Table
    c. Canonical form of functions
    d. K-map
    e. simplified function

Group tasks: You must list out the name of the members and who has done what part of the project.

Marks distribution:

a. Design (Report) – 40
b. Logisim (Demo)– 30
c. Viva – 30

Submission Deadline:

Combinational Part : 20/11/2018 Time : 1.00 - 4.30 PM

Submit the report at the time of the demonstration

Sequential Part : 11/12/2018 Time : 1.00 - 4.30 PM

Subpages (1): CSE 231 (Project Fall-16)

Comments

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