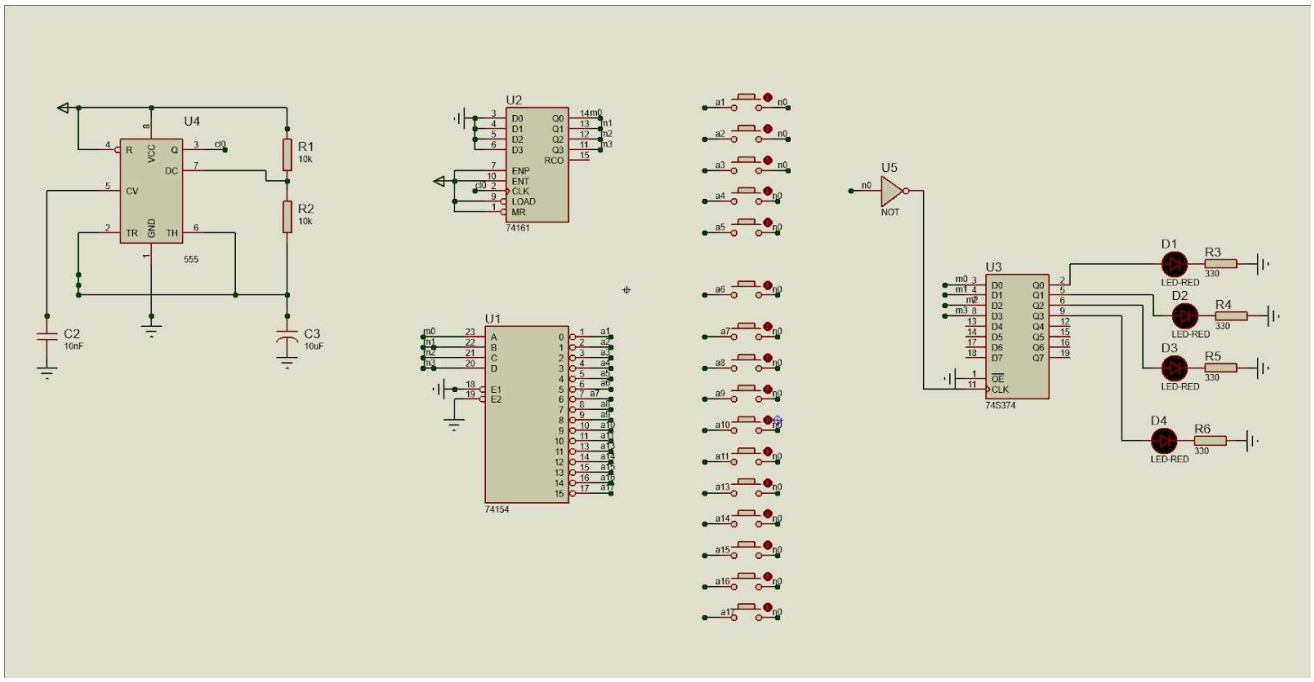
Report of Task 2
Hex keypad

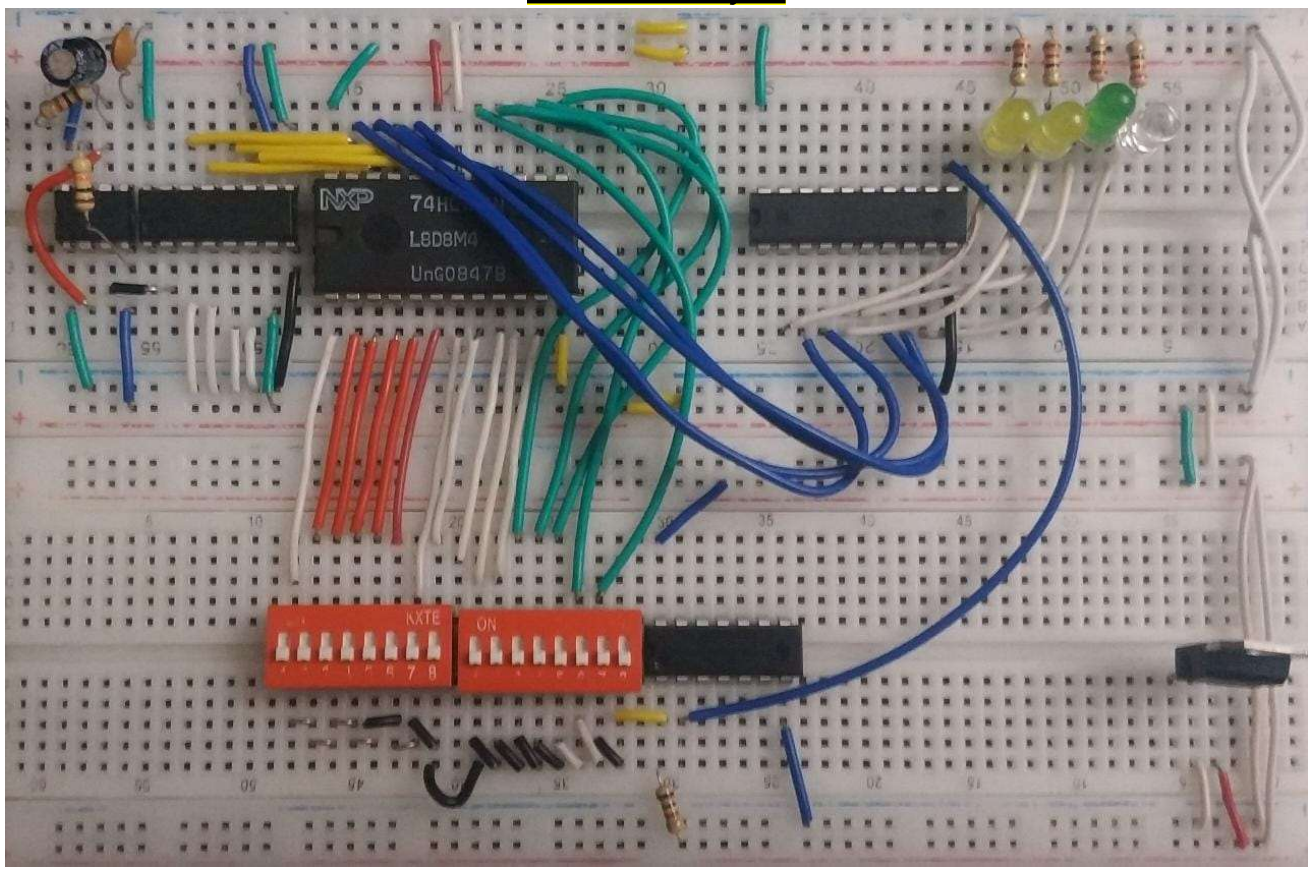
Electronics and Communication
Section 1

Name	ID
Shehab Eldeen Ahmed Gaber Ibrahim	21010667
Ziad Muhammad Elsayed Abdulrahman	21010576
Muhammad Naguib Elsayed Naguib	21011235
Islam Ibrahim Muhammad Ahmed	21010247
Omar Mohamed Abdel Mawgoud	21010887
Ahmed Walid Hassan Ali	21010205
Muhammad Tarek Hassan Kamel (Power)	21011160

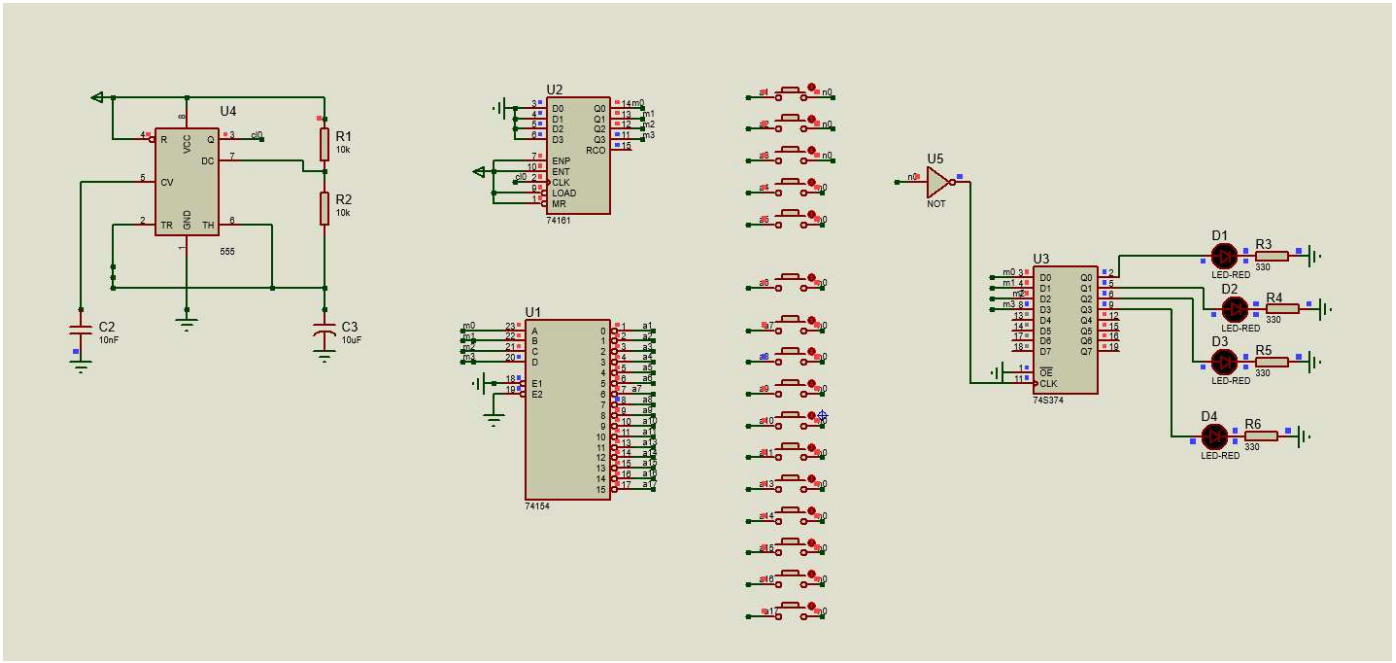
The Proteus Simulation



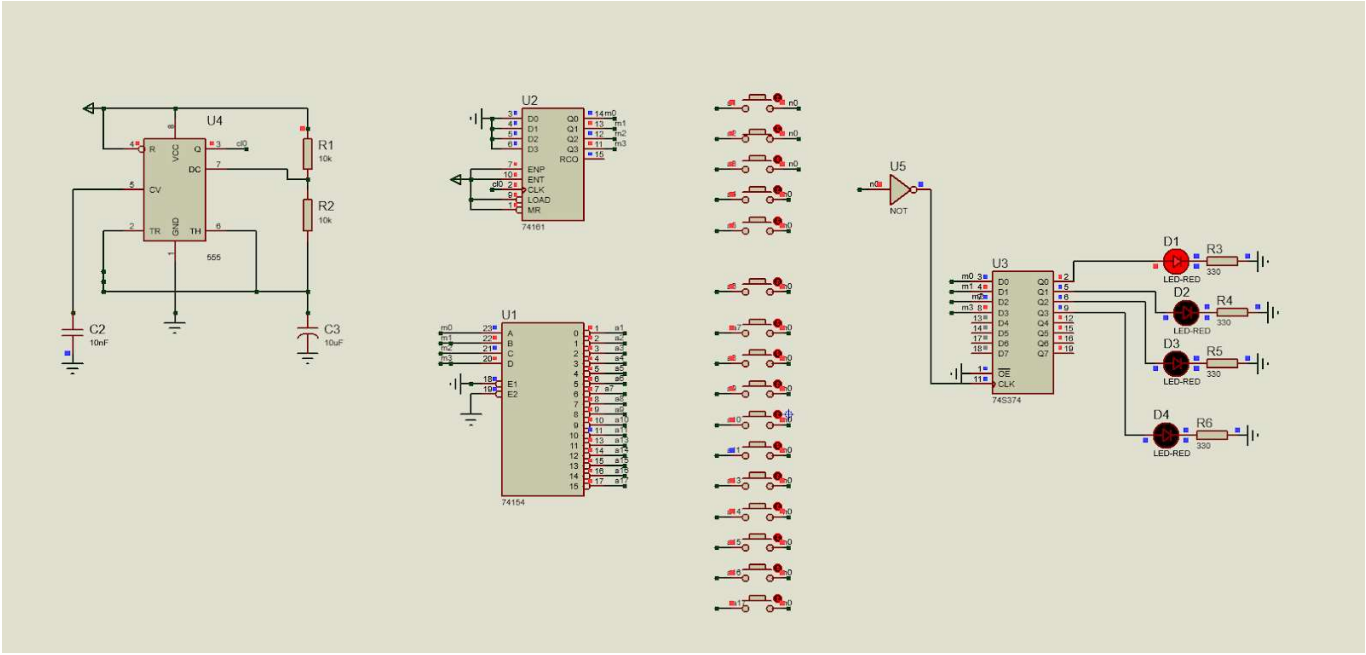
The Real Project



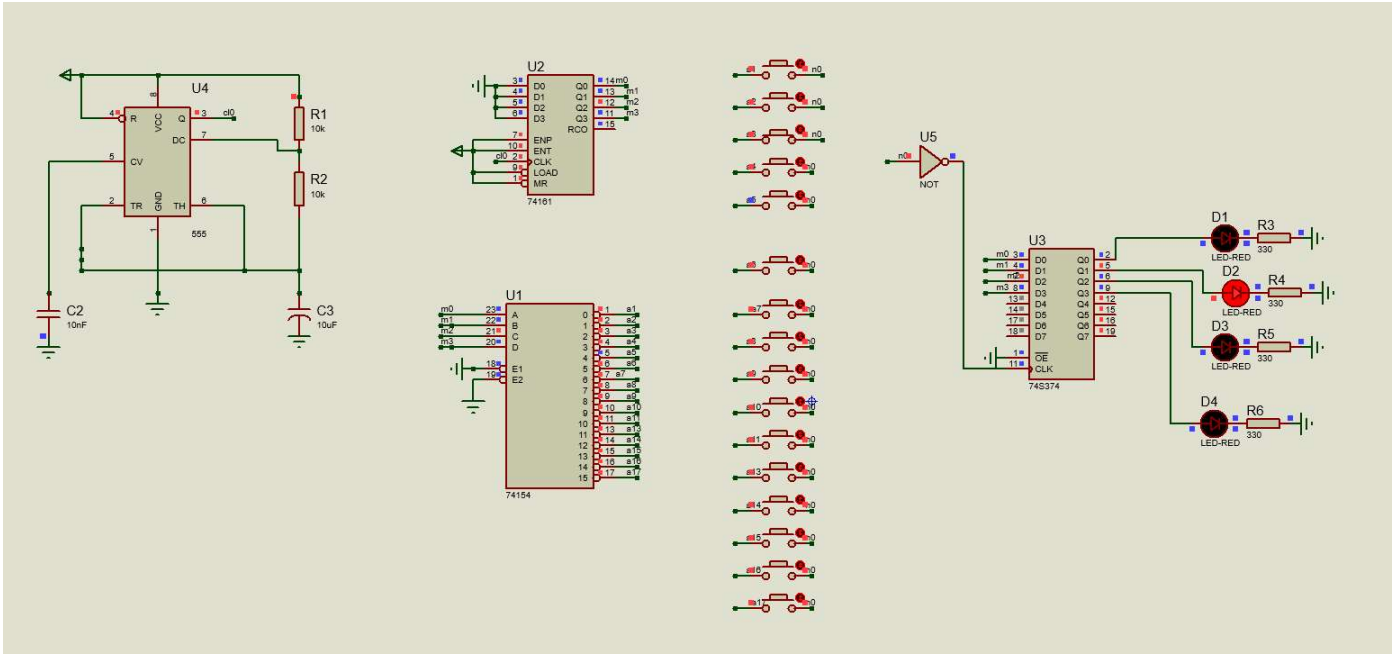
Case 0


U4
R1
10k
R2
10k
555
C2
10nF
C3
10uF
U2
74161
U1
74154
U5
NOT
U3
74S374
D1
D2
D3
D4
R3
R4
R5
R6
330
LED-RED

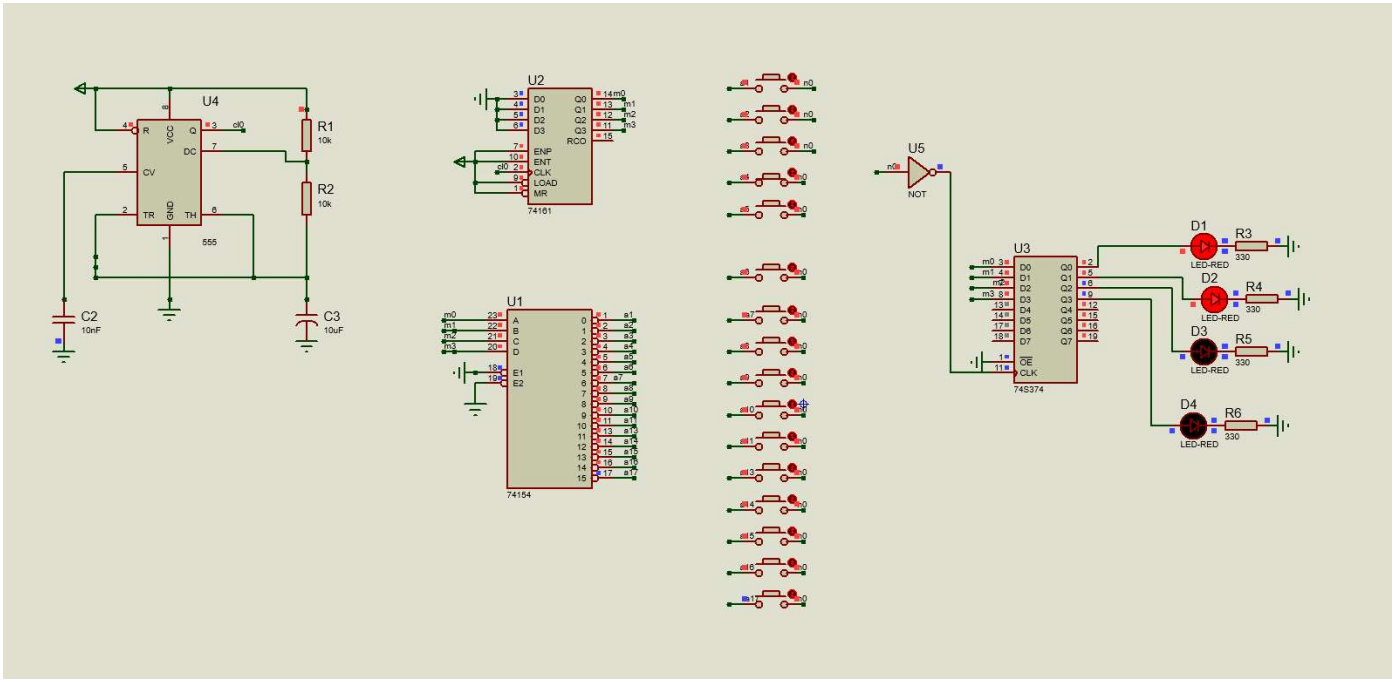
Case 1


U4
R1
10k
R2
10k
555
C2
10nF
C3
10uF
U2
74161
U1
74154
U5
NOT
U3
74S374
D1
D2
D3
D4
R3
R4
R5
R6
330
LED-RED

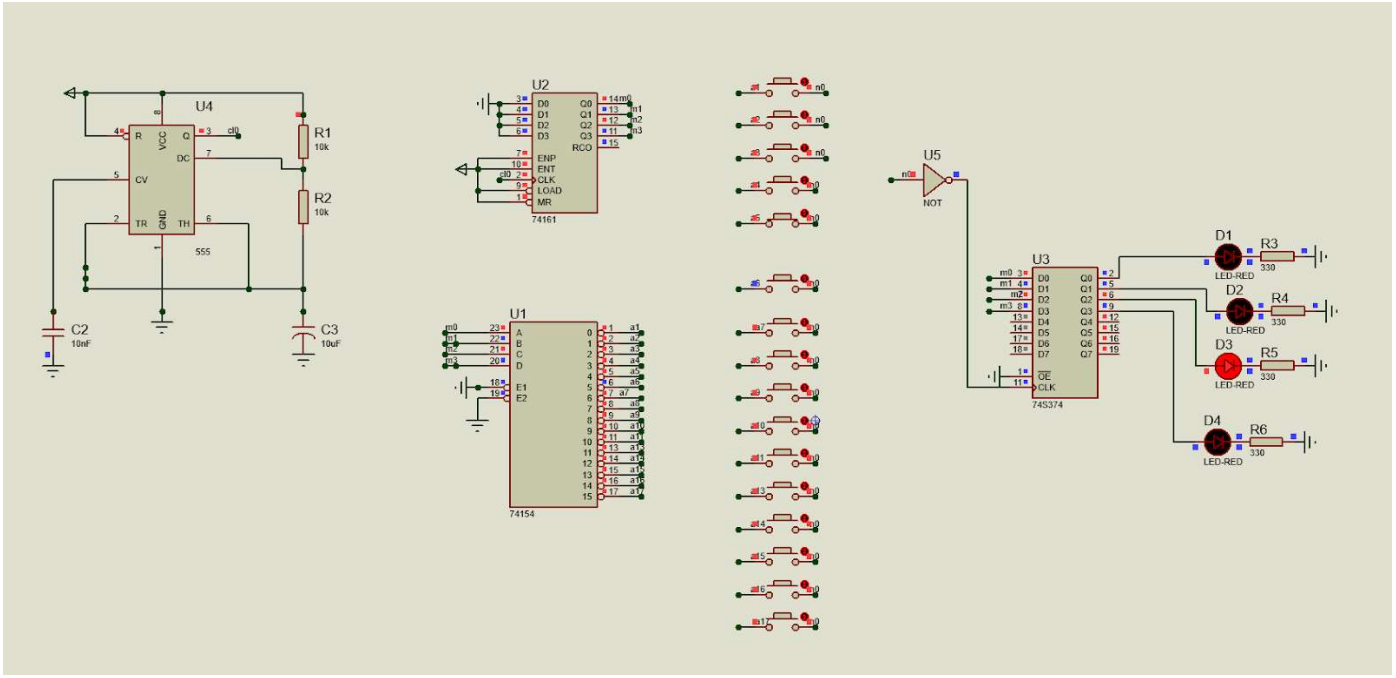
Case 2


U4
R1
10k
R2
10k
C2
10nF
C3
10uF
555
U2
74161
U1
74154
U5
NOT
U3
74S374
D1
D2
D3
D4
R3
R4
R5
R6
330
LED-RED

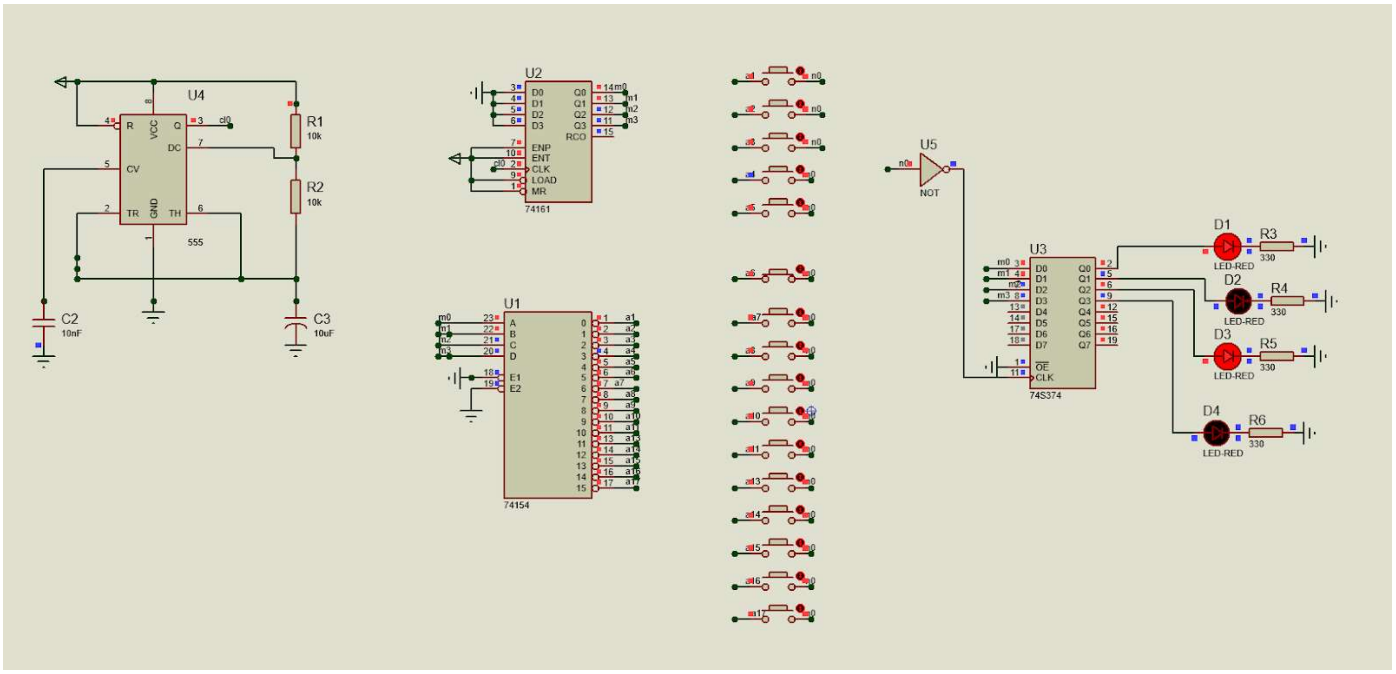
Case 3


U4
R1
10k
R2
10k
C2
10nF
C3
10uF
555
U2
74161
U1
74154
U5
NOT
U3
74S374
D1
D2
D3
D4
R3
R4
R5
R6
330
LED-RED

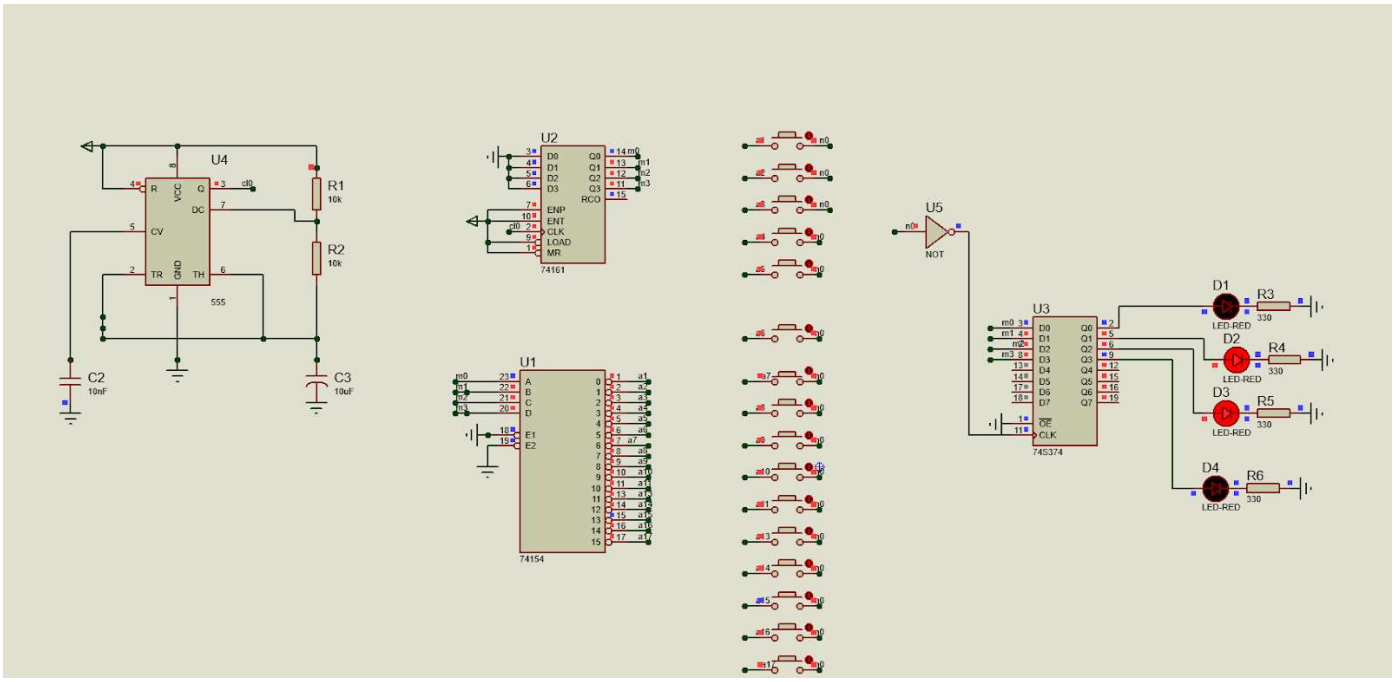
Case 4


U4
R1
10k
R2
10k
555
C2
10nF
C3
10uF
U2
74161
U1
74154
U5
NOT
U3
74S374
D1
D2
D3
D4
LED-RED
R3
R4
R5
R6
330

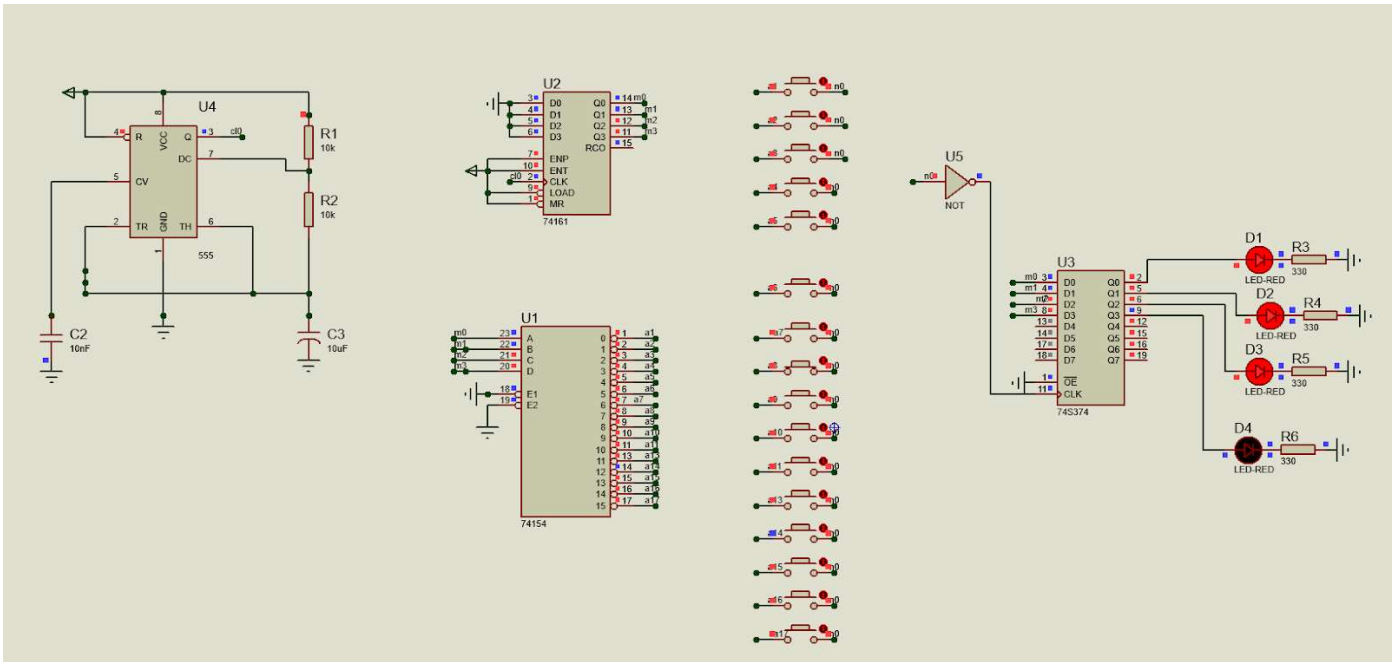
Case 5


U4
R1
10k
R2
10k
555
C2
10nF
C3
10uF
U2
74161
U1
74154
U5
NOT
U3
74S374
D1
D2
D3
D4
LED-RED
R3
R4
R5
R6
330

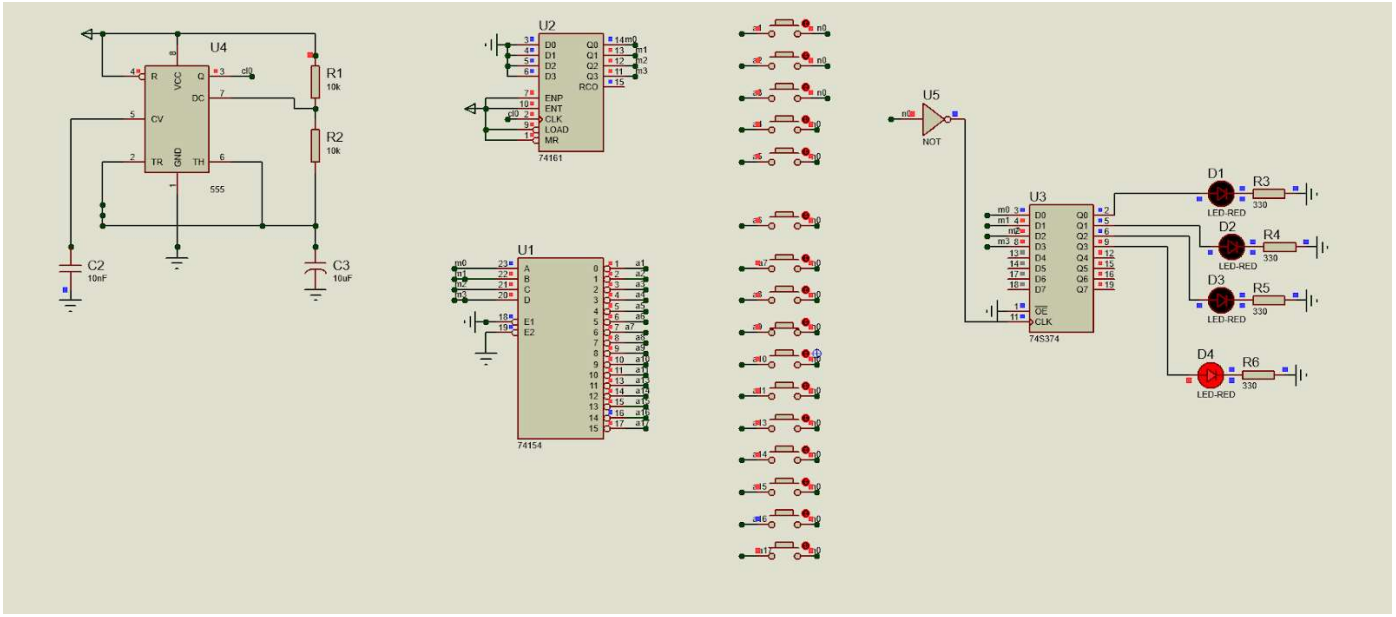
Case 6


U4
R1
10k
R2
10k
555
C2
10nF
C3
10uF
U2
74161
U1
74154
U5
NOT
U3
74S374
D1
LED-RED
R3
330
D2
LED-RED
R4
330
D3
LED-RED
R5
330
D4
LED-RED
R6
330

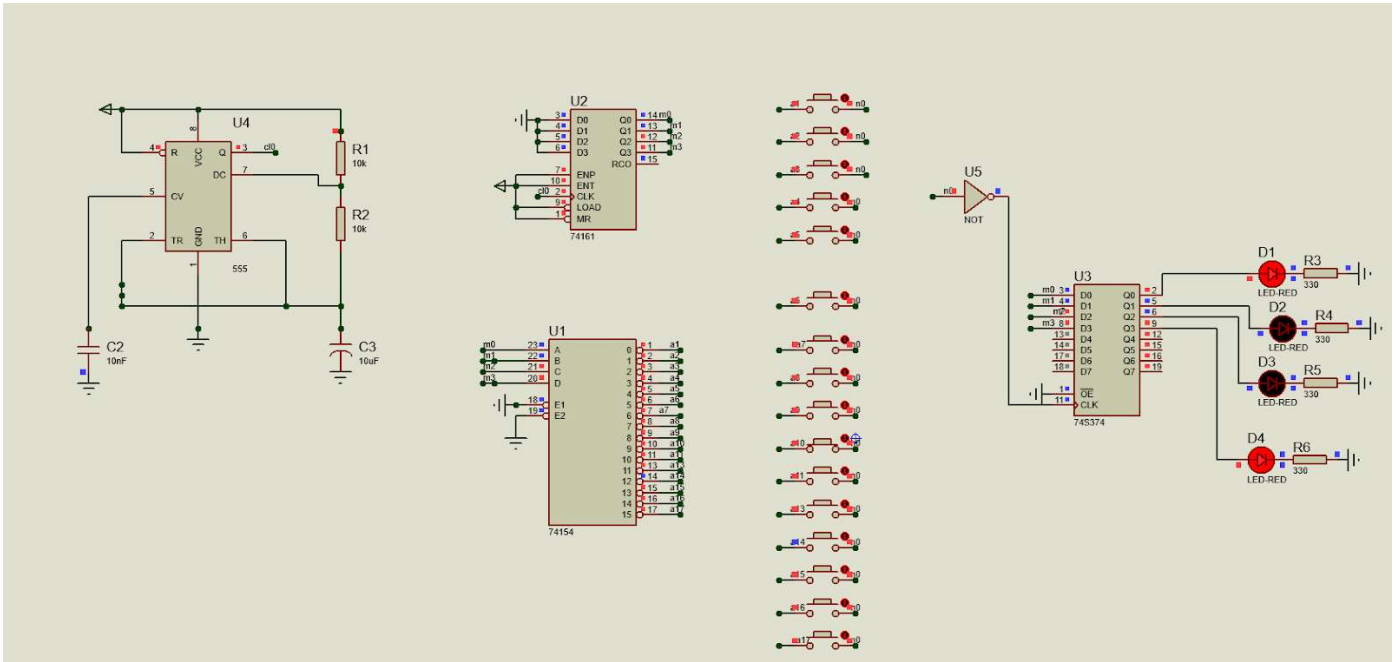
Case 7


U4
R1
10k
R2
10k
555
C2
10nF
C3
10uF
U2
74161
U1
74154
U5
NOT
U3
74S374
D1
LED-RED
R3
330
D2
LED-RED
R4
330
D3
LED-RED
R5
330
D4
LED-RED
R6
330

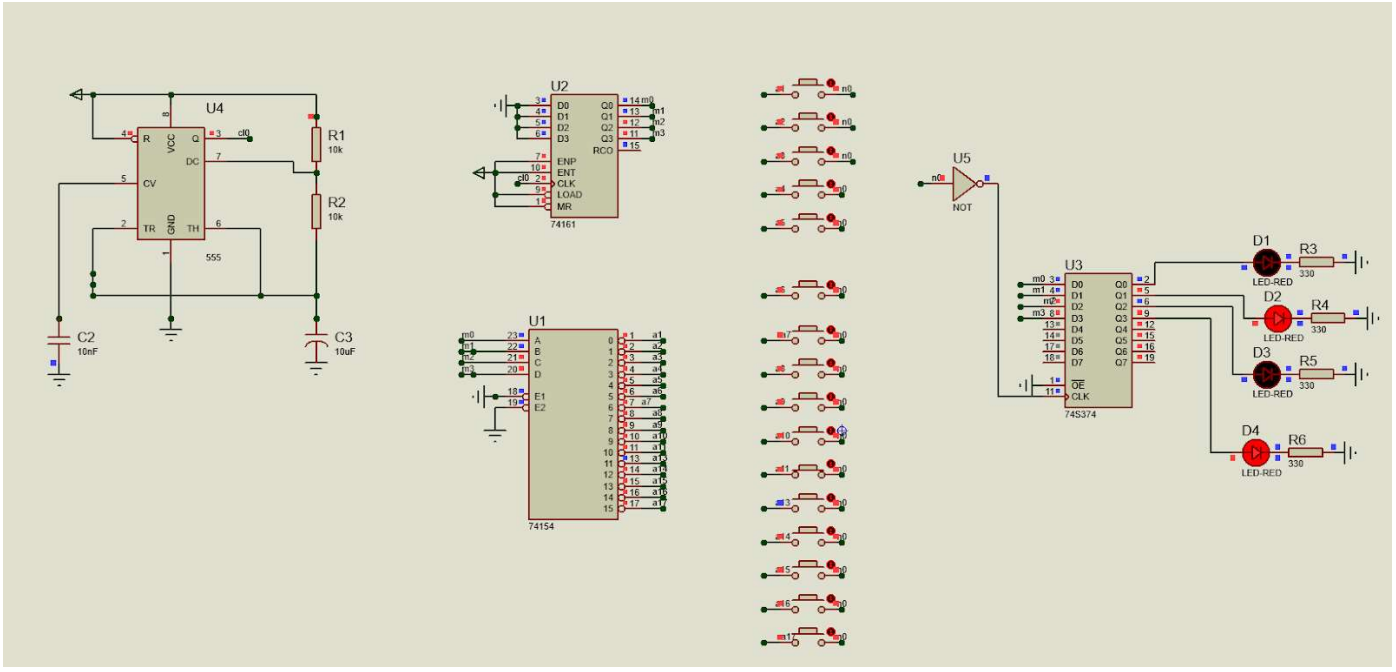
Case 8


U4
R1
10k
R2
10k
C2
10nF
C3
10uF
555
U2
74161
U1
74154
U5
NOT
U3
74S374
D1
D2
D3
D4
R3
R4
R5
R6
330
LED-RED

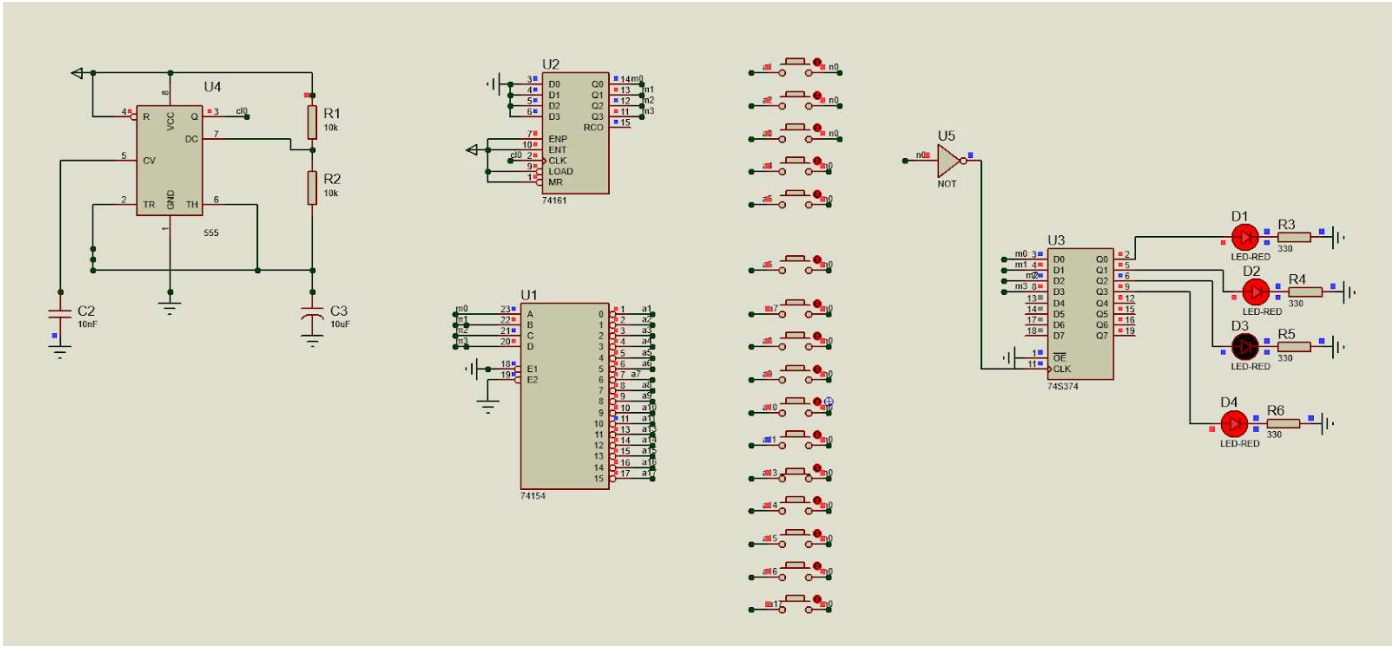
Case 9


U4
R1
10k
R2
10k
C2
10nF
C3
10uF
555
U2
74161
U1
74154
U5
NOT
U3
74S374
D1
D2
D3
D4
R3
R4
R5
R6
330
LED-RED

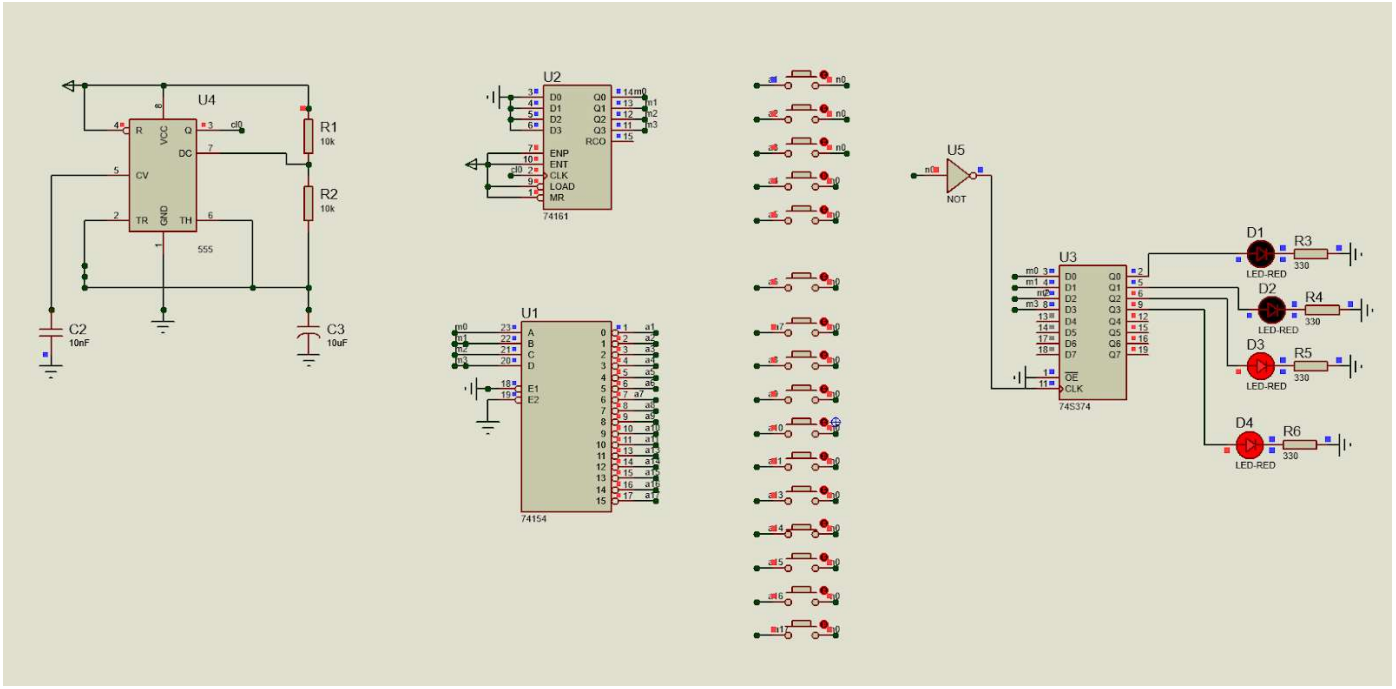
Case A


U4
R1
10k
R2
10k
C2
10nF
C3
10uF
555
U2
74161
U1
74154
U5
NOT
U3
74S374
D1
D2
D3
D4
R3
R4
R5
R6
330
LED-RED

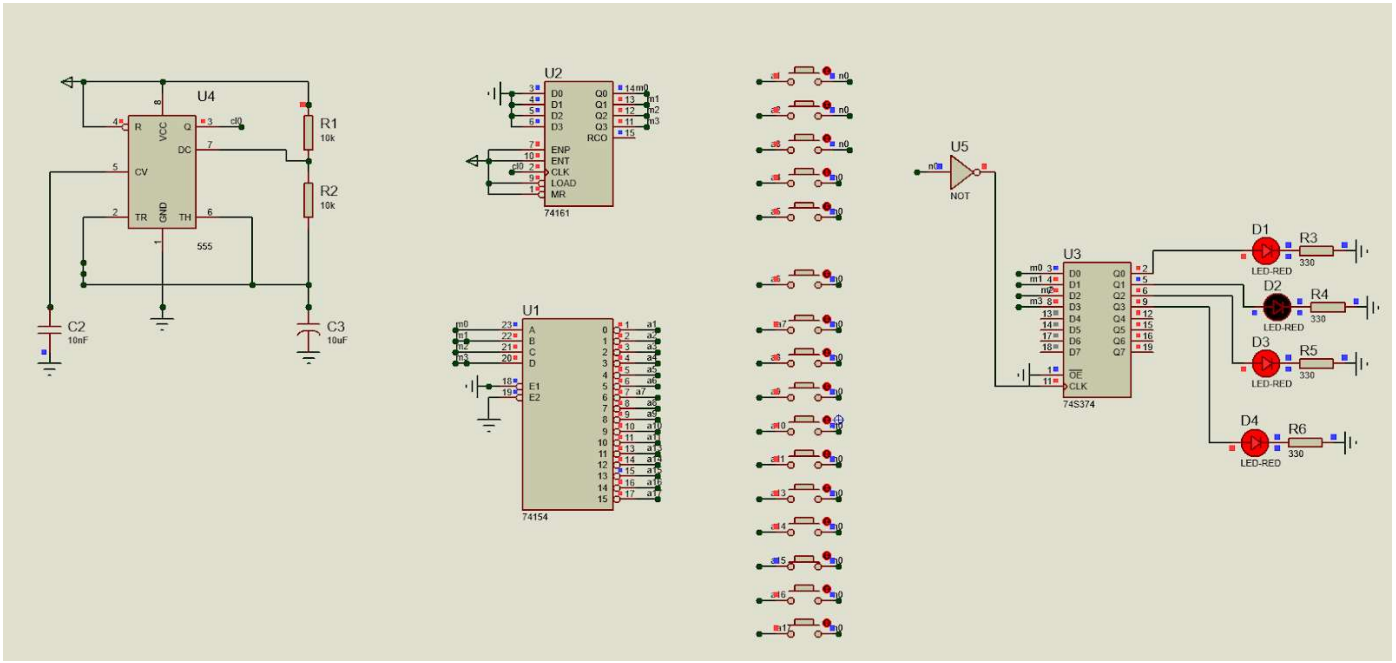
Case B


U4
R1
10k
R2
10k
C2
10nF
C3
10uF
555
U2
74161
U1
74154
U5
NOT
U3
74S374
D1
D2
D3
D4
R3
R4
R5
R6
330
LED-RED

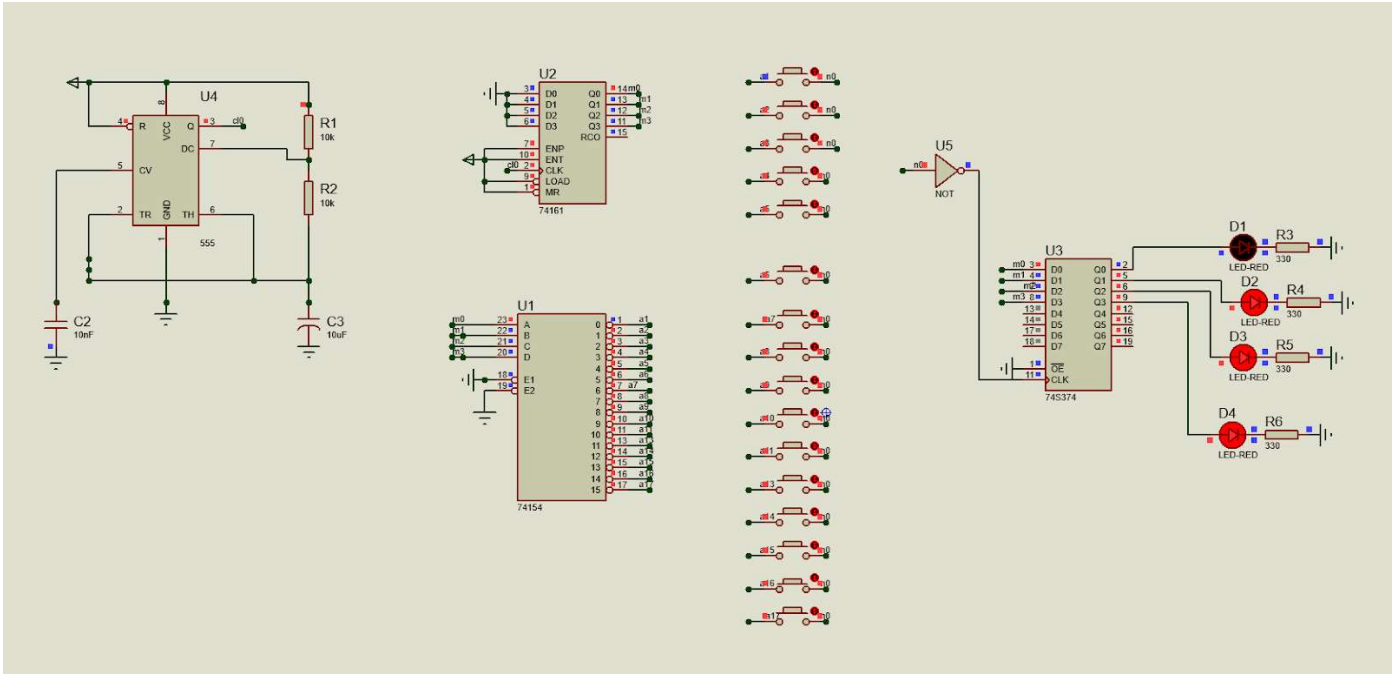
Case C


U4
R1
10k
R2
10k
C2
10nF
C3
10uF
555
U2
74161
U1
74154
U5
NOT
U3
74S374
D1
D2
D3
D4
R3
R4
R5
R6
330
LED-RED

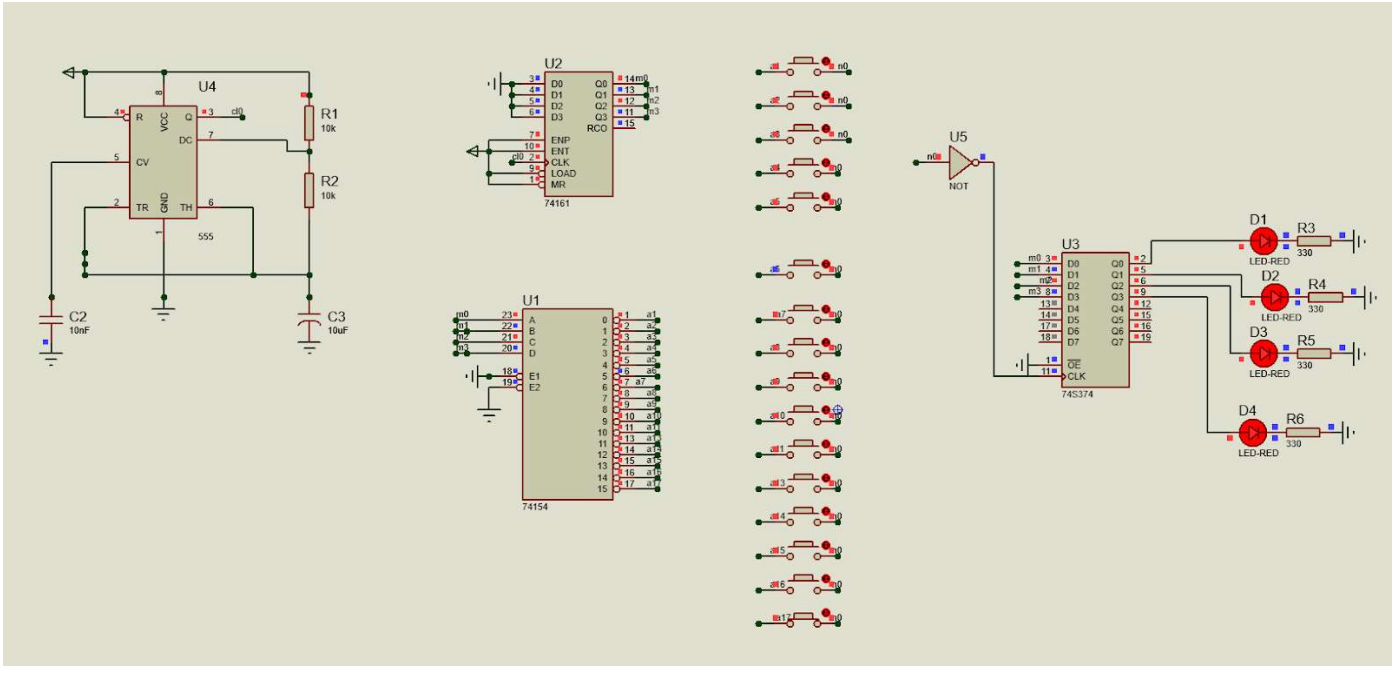
Case D


U4
R1
10k
R2
10k
C2
10nF
C3
10uF
555
U2
74161
U1
74154
U5
NOT
U3
74S374
D1
D2
D3
D4
R3
R4
R5
R6
330
LED-RED

Case E


U4
R1
10k
R2
10k
555
C2
10nF
C3
10uF
U2
74161
U1
74154
U5
NOT
U3
74S374
D1
D2
D3
D4
LED-RED
R3
R4
R5
R6
330

Case F


U4
R1
10k
R2
10k
555
C2
10nF
C3
10uF
U2
74161
U1
74154
U5
NOT
U3
74S374
D1
D2
D3
D4
LED-RED
R3
R4
R5
R6
330