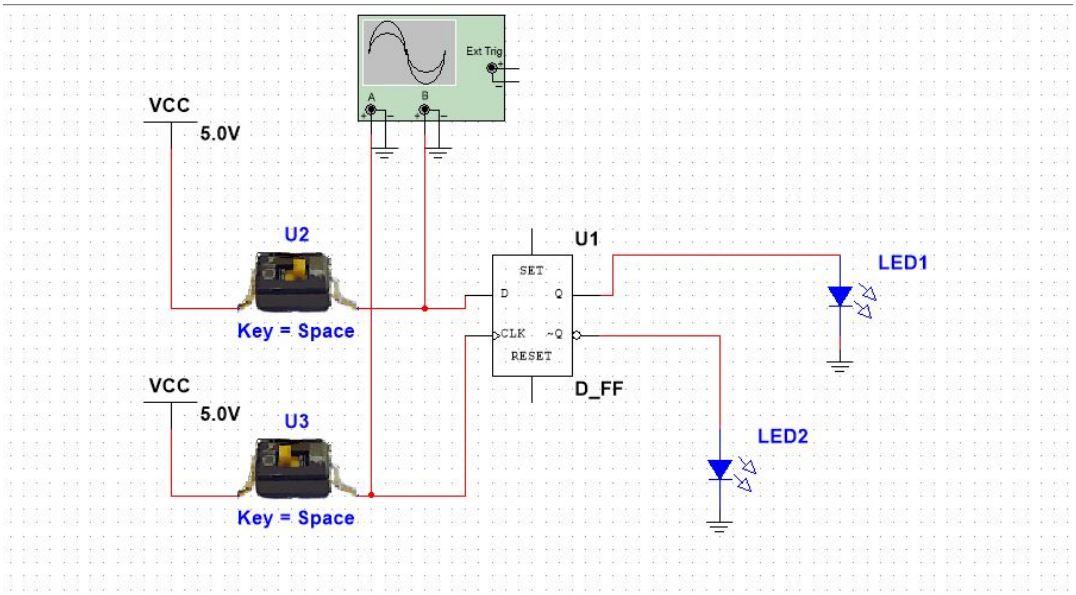
Assignment 1

STATEMENT (COMPULSORY)

In the previous lecture you have learnt how to store 1-bit in memory. Using multisim create an 8-bit memory.

1. All the clock signals should be controlled by only one switch.
2. Attach an LED only to the Q output pin.
3. Leave the Q-bar pin.



Further Learning (OPTIONAL)

1. Try implementing2-bit memory by only using NAND and NOT gates.
2. Search about Positive edge detection and draw a circuit that uses only a NAND and a NOT gate for Positive edge detection.

MULTISIM INSTALLATION

1. Download Links.txt This file contains the steps to download multisim on your pc.:- Download_Links.txt
2. NI License Activator 1.2.exe When we reach the last step and it asks for license codes, download this file...I'll send the detailed steps below:- NI_License_Activator_1.2.exe

NOW FOLLOW THESE INSTRUCTIONS

1. Firstly download the file given by TA and fill the form by the website.. Email, etc.

2.After downloading it install it. And allow whatever they ask for permission.

3.when this gets done the window will appear asking for license codes.

4.download the license activator.

5. For activating it click on the options in left corner -> choose option activate -> right click on education edition activate it. Checkbox will be green. Do the same for the restx 3 editions.

6. Next open the multisim.app . It'll be there in that folder only. Search it in the search box.

7. And now... It's done! You can use the app.

It is recommended to download multisim but if someone has an issue with installation then use :- https://www.multisim.com/

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