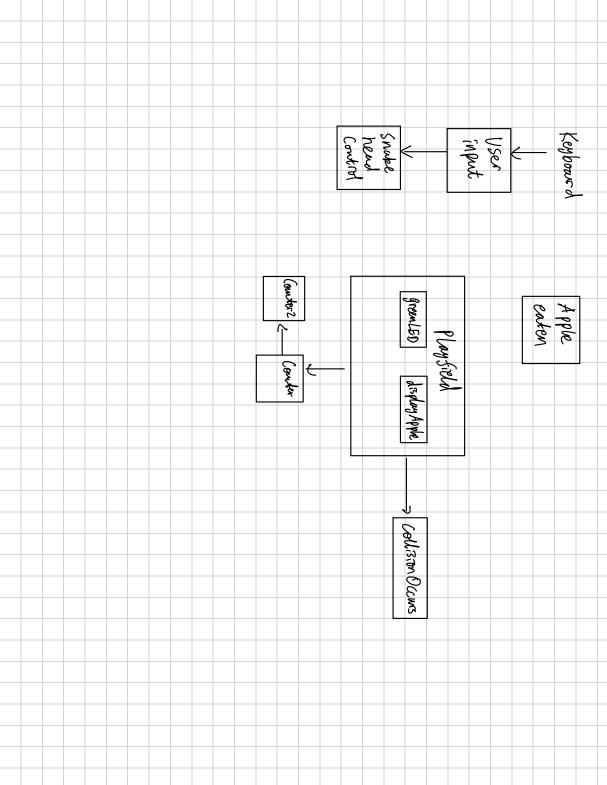
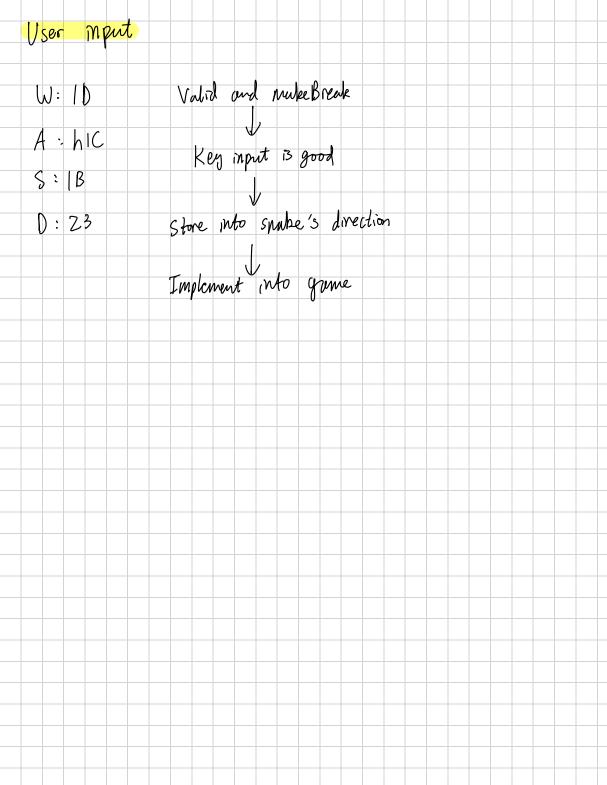
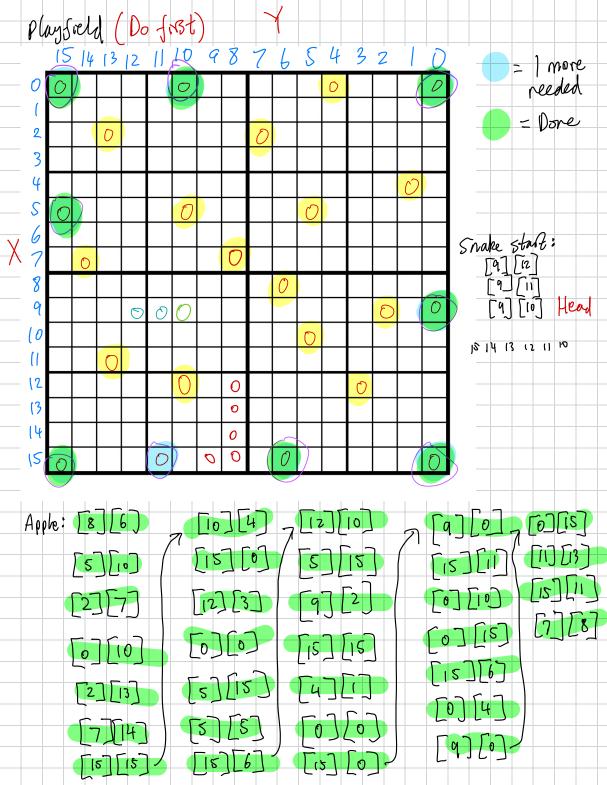
Snakes and apples Victory Condition User input 16 X 16 LED Board (Head location Same as apple) (Extend Snake) (Key board) (WASD) (play sield) Counter Reset (HEXO) (Reset game) (Reset playfield)
(Snake hits bounds)





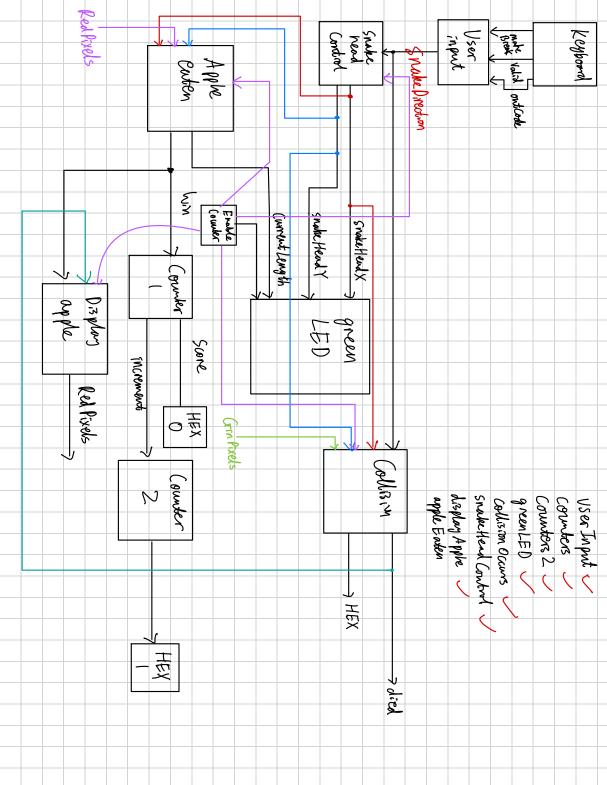
Counter Maybe implement Best Score Current Store HEX 4 HEX5 HEXI HEXO 0-9 HEX O HEXI

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[. Light is on	
2. Snake head = light location, turn light	off
3. Tun rext light on	
Play field:	
Z. Display snuke instrally	
3. More snake and continue to display snake	
4. Snape's head touches apple = send win signal	
S. Increment snake length	
6. Key input	
7. Snake crashes into Lody (snakeHead is some as	CrnPixels[][]==1)
8. Snake Crashes into boundary	
Tug of war: Tun on and then turn off	
Snuke Head X - X, Y for LED Snuke Head Y - Snuke X, Y lights up LED	
snake Head ? - Snake X, Y lights up LED	

Collision Occurs display Apple User Input green LED snake Head Control apple Eaten play sield Snake Head Control Test bench:
. Comber
. Comber 2
. physield
. collision Occurs



The user uses the W, A, S, D keys on the keyboard to more the snuke around. Apples will generate as the game goes. Whenever the snake eats an copple, the next apple will generate and the snake's length will increase by 1. If the snake collides with itself or the boundary, the snake dies and game over.