

7

Digital Design Project #7: Latches and Flip-flops

Submission form revision August 8, 2025

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I am submitting my own work, and I accept that penalties will be assessed against me if I submit work that isn't mine.

Point Scale

4: Exemplary
 3: Complete
 2: Incomplete
 1: Minor effort
 0: Not submitted

Print Name

Sign Name

Date

Asst. Signature

Requirements				Wt	Pt	Score	Possible	Earned
1. Implement a NAND basic cell	1			52	Weeks late: 1 2 3 4+ (Circle as indicated)			
2. Implement a NOR basic cell	1							
3. Design a D-latch	2							
4. PIPO register	2							
5. PISO register	3							
6. SIPO register	2							
7. Homework problems	2							
Challenges						Possible	Earned	
1. Barrel Shifter	3			12				