

SOFTWARE TESTING

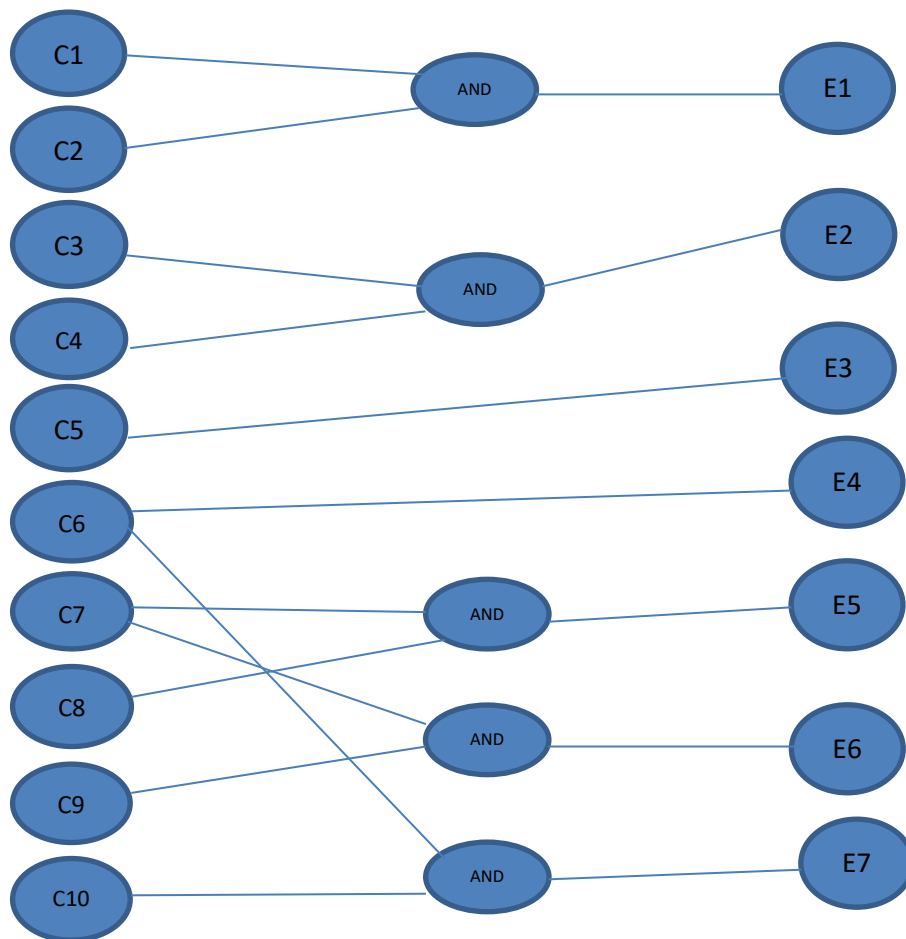
ASSIGNMENT

Black Box Testing

CAUSES AND EFFECTS:

CAUSES	EFFECTS
C1: pay rate <70 and pay rate >30 C2: regular employee C3: overtime employee C4: working hours > 40 C5: 2 holidays in a week C6: wage > 10,000 C7: weekly base C8: married employee C9: unmarried employee C10: insurance	E1: pay rate * hours worked E2: wage + (hours - 40) * 1.5 * pay rate E3: wage – 100 * holidays E4: pay tax E5: 15 % tax and 18 Rs. Medical insurance E6: 20 % tax and 10 Rs. Medical insurance E7: detection of 1000 Rupee

CAUSE EFFECT GRAPH:



DECISION TABLE:

Actions	1	2	3	4	5	6	7
C1	1	0	0	0	0	0	0
C2	1	0	0	0	0	0	0
C3	0	1	0	0	0	0	0
C4	0	1	0	0	0	0	0
C5	0	0	1	0	0	0	0
C6	0	0	0	1	0	0	1
C7	0	0	0	0	1	1	0
C8	0	0	0	0	1	0	0
C9	0	0	0	0	0	1	0
C10	0	0	0	0	0	0	1
E1	1	0	0	0	0	0	0
E2	0	1	0	0	0	0	0
E3	0	0	1	0	0	0	0
E4	0	0	0	1	0	0	0
E5	0	0	0	0	1	0	0
E6	0	0	0	0	0	1	0
E7	0	0	0	0	0	0	1

TEST CASES:

Test Cases	Input		Expected Output
	payrate	hours	
T1	50	20	1000
T2	20	10	Invalid input
T3	75	20	Invalid input
T4	40	30	1200

Test Cases	Input		Expected Output
	wage	holidays	
T1	2000	1	Invalid input
T2	5000	2	9800
T3	75	0	Invalid input
T4	1000	2	1800
Test Cases	Input		Expected Output(tax)

	wage	marital status	
T1	11000	Married	1650
T2	14000	Married	2100
T3	1200	Married	Invalid input
T4	5000	Married	Invalid input

Test Cases	Input		Expected Output(tax)
	wage	marital status	
T1	1000	Unmarried	Invalid input
T2	4000	Unmarried	Invalid input
T3	20000	Unmarried	4000
T4	15500	Unmarried	3100