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Black Box Testing

EP, BVA, CEG

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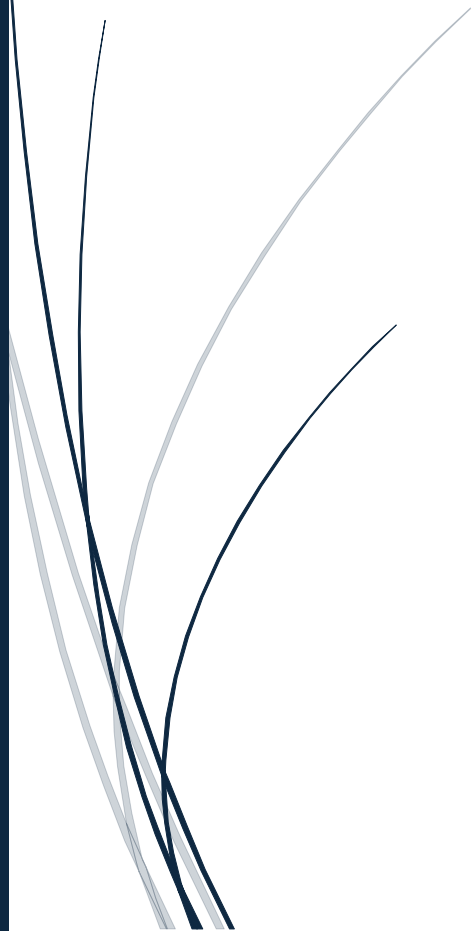

Question:

Select equivalence partitioning based inputs and make test cases after classifying them in valid and invalid compartments.

Apply Blac Box Testing techniques on the above scenario.

Answer:

1. Equivalence Partitioning:

Invalid	Valid	Invalid
Mobile number < 10 digits	Mobile number = 10 digits	Mobile number > 10 digits
341698805	3416988051	34169880510

2. Boundary Value Analysis:

T_ID	Input Data (Mobile Number)	Boundary	Expected Output
T_01	341698805	Below lower boundary (< 10 digits)	Invalid mobile number, error
T_02	0000000000	Minimum boundary (10 digits)	Valid mobile number, accepted
T_03	5555555555	Mid value (within 10 digits)	Valid mobile number, accepted
T_04	9999999999	Maximum boundary (10 digits)	Valid mobile number, accepted
T_05	341698805102	Above upper boundary (> 10 digits)	Invalid mobile number, error
T_06	341ad88of1	Invalid Characters (digits only)	Invalid mobile number, error
T_07	341$92&&@51	Invalid Characters (digits only)	Invalid mobile number, error
T_08	Empty field	Missing input (must be 10 digits)	Error, please enter mobile number

3. Cause Effect Graph (CEG):