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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:

|  |  |  |
| --- | --- | --- |
| Equivalence Partitioning: | | |
| Invalid | **Valid** | **Invalid** |
| Mobile number < 10 digits | Mobile number = 10 digits | Mobile number > 10 digits |
| 341698805 | 3416988051 | 34169880510 |

|  |  |  |  |
| --- | --- | --- | --- |
| 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 |

## Cause Effect Graph (CEG):