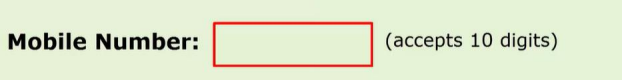
3.5 Exercises for Lab

Scenario 1: Select equivalence partitioning-based inputs and make test cases after classifying them invalid and valid compartments.



**Equivalence Partitioning for the Scenario:**

1. **Valid Partition:**
   * Inputs in this partition are valid mobile numbers containing exactly 10 digits. For instance:
     + 1234567890
     + +1234567890
     + 0123456789
2. **Invalid Partition:**
   * Inputs in this partition are invalid because they don't meet the criteria of exactly 10 digits. This partition includes:
     + Less than 10 digits: 123456789
     + More than 10 digits: 12345678901
3. **Invalid Partition (Non-Numeric):**
   * This partition includes inputs that are not purely numeric. For example:
     + Alphanumeric input: abcdefghij
     + Special characters: !@#$%^&\*()

|  |  |  |  |
| --- | --- | --- | --- |
| **Input** | **Invalid** | **Valid** | **Invalid** |
| 1234567890 |  | 1234567890 |  |
| +1234567890 |  | +1234567890 |  |
| 0123456789 |  | 0123456789 |  |
| 123456789 | 123456789 |  |  |
| 12345678901 | 12345678901 |  |  |
| abcdefghij | abcdefghij |  |  |
| !@#$%^&\*() | !@#$%^&\*() |  |  |
| [empty] | [empty] |  |  |

Scenario 2: Select BVA technique and make test cases after classifying them to valid and invalid categories.

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case** | **Input** | **Classification** | **Expected Outcome** |
| Valid 1 | 0000000000 | Valid | Accept |
| Valid 2 | 9999999999 | Valid | Accept |
| Invalid 1 | 999999999 | Invalid | Reject |
| Invalid 2 | 10000000000 | Invalid | Reject |