|  |
| --- |
| **Category-partition method** |

1. There are three parameters:

– Small size

– Large size

– Total

2. For each parameter we define the characteristics as:

– Small size can be a positive number

– Large size can be a positive number

– Total can be a positive number

3. Exception:

– Small size and large size can’t be a negative number

– Total can’t be a negative number

4. Combine the characteristics to form test cases

– Positive Small size and Large size

– Positive Total

– Zero Small size and Large size

– Zero Total

– Negative Small size and Large size

– Negative Total

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case Design and Test Results** | | | | | | | | | | | | | |
|  |  | | | |  |  |  |  | |  |  | | |
| **Project Name:** | ShippingPackage | | | | | | | **Project ID:** | | - | | | |
| **Test Strategy:** | Category Partition Testing | | | | | | | **Designer:** | | Apichai Tuppoota | | | |
| **Test Environment:** | | **JUnit5** | | | | | | | | | | | |
|  |  | | | |  |  |  |  | |  |  | | |
| **Test Case ID** | **Input** | | | **Expected Result** | | | | | **Actual Result** | | | **Status (Pass/Fail/No run)** |
| Small | Large | Total |
| Tc01 | 1 | 1 | 5 | -1 | | | | | 0 | | | Pass |
| Tc02 | 1 | 1 | 6 | 1 | | | | | -1 | | | Pass |
| Tc03 | 0 | 1 | 7 | 1 | | | | | -1 | | | Pass |
| Tc04 | 1 | 0 | 8 | 1 | | | | | -1 | | | Pass |
| Tc05 | 1 | 1 | 0 | -1 | | | | | 0 | | | Pass |
| Tc06 | -1 | 1 | 5 | -1 | | | | | -1 | | | Pass |
| Tc07 | 1 | -1 | 5 | -1 | | | | | -1 | | | Pass |
| Tc08 | 1 | 1 | -1 | -1 | | | | | -1 | | | Pass |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Scenario ID** | **Scenario Name** | **Test Case#** | **Pass** | **Fail** | **No run** | **Block** | **Remark** | **Defect ID** |
| EC-Lab5-02 | ShippingPackage Program | 6 | 6 | - | - | - | - | - |
| **รวม** | | 6 | 6 | - | - | - | - | - |