**TRACEABILITY MATRIX (URS / UAT\_TC)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **URS**  **Class**  **Diagram** | **URS-01** | **URS-02** | **URS-03** | **URS-04** | **URS-05** | **URS-06** | **URS-07** | **URS-08** | **URS-09** | **URS-10** | **URS-11** | **URS-12** | **URS-13** | **URS-14** | **URS-15** | **URS-16** | **URS-17** | **URS-18** |
| **UAT\_TC01** | **x** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **UAT\_TC02** |  | **x** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **UAT\_TC03** |  |  | **x** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **UAT\_TC04** |  |  |  | **x** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **UAT\_TC05** |  |  |  |  | **x** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **UAT\_TC06** |  |  |  |  |  | **x** |  |  |  |  |  |  |  |  |  |  |  |  |
| **UAT\_TC07** |  |  |  |  |  |  | **x** |  |  |  |  |  |  |  |  |  |  |  |
| **UAT\_TC08** |  |  |  |  |  |  |  | **x** |  |  |  |  |  |  |  |  |  |  |
| **UAT\_TC09** |  |  |  |  |  |  |  |  | **x** |  |  |  |  |  |  |  |  |  |
| **UAT\_TC10** |  |  |  |  |  |  |  |  |  | **x** |  |  |  |  |  |  |  |  |
| **UAT\_TC11** |  |  |  |  |  |  |  |  |  |  | **x** |  |  |  |  |  |  |  |
| **UAT\_TC12** |  |  |  |  |  |  |  |  |  |  |  | **x** |  |  |  |  |  |  |
| **UAT\_TC13** |  |  |  |  |  |  |  |  |  |  |  |  | **x** |  |  |  |  |  |
| **UAT\_TC14** |  |  |  |  |  |  |  |  |  |  |  |  |  | **x** |  |  |  |  |
| **UAT\_TC15** |  |  |  |  |  |  |  |  |  |  |  |  |  |  | **x** |  |  |  |
| **UAT\_TC16** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | **x** |  |  |
| **UAT\_TC17** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | **x** |  |
| **UAT\_TC18** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | **x** |

**TRACEABILITY MATRIX (URS / UTC)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **URS**  **Unit test**  **case** | **URS-01** | **URS-02** | **URS-03** | **URS-04** | **URS-05** | **URS-06** | **URS-07** | **URS-08** | **URS-09** | **URS-10** | **URS-11** | **URS-12** | **URS-13** | **URS-14** | **URS-15** | **URS-16** | **URS-17** | **URS-18** |
| **UTC-01** | **x** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **UTC-02** |  | **x** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **UTC-03** |  | **x** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **UTC-04** |  |  | **x** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **UTC-05** |  |  |  | **x** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **UTC-06** |  |  |  |  |  |  | **x** |  |  |  |  |  |  |  |  |  |  |  |
| **UTC-07** |  |  |  |  |  |  | **x** |  | **x** |  |  |  |  |  |  |  |  |  |
| **UTC-08** |  |  |  |  |  |  |  | **x** |  |  |  |  |  |  |  |  |  |  |
| **UTC-09** |  |  |  |  |  |  |  |  | **x** |  |  |  |  |  |  |  |  |  |
| **UTC-10** |  |  |  |  |  |  |  |  |  |  | **x** |  |  |  |  |  |  |  |
| **UTC-11** |  |  |  |  |  |  |  |  |  |  |  | **x** |  |  |  |  |  |  |
| **UTC-12** |  |  |  |  |  |  |  |  |  |  |  |  | **x** |  |  |  |  |  |
| **UTC-13** |  |  |  |  |  |  |  |  |  |  |  |  |  | **x** |  |  |  |  |
| **UTC-14** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **UTC-15** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **UTC-16** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **UTC-17** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **UTC-18** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**• Summary of Traceability Matrix**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No.** | **URS** | **Function Name** | **UTC** | **UAT\_TC** | **I\_TC** |
| 1 | URS-01 | **The administrator can login to the system.** | **UTC-01** | **UAT\_TC01** |  |
| 2 | URS-02 | **The administrator can add the product to the system consists of the name, description, and pictures of the product.** | **UTC-02**, **UTC-03** | **UAT\_TC02** |  |
| 3 | URS-03 | **The administrator can edit details of the product.** | **UTC-04** | **UAT\_TC03** |  |
| 4 | URS-04 | **The administrator can remove the products out of the system.** | **UTC-05** | **UAT\_TC04** |  |
| 5 | URS-05 | **The administrator can see the shopping history of all customers.** | **-** | **UAT\_TC05** |  |
| 6 | URS-06 | **The administrator can log out the system.** | - | **UAT\_TC06** |  |
| 7 | URS-07 | **The customer can register an account to access with the system.** | **UTC-06 ,UTC-07** | **UAT\_TC07** |  |
| 8 | URS-08 | **The customer can log in to the system.** | **UTC-08** | **UAT\_TC08** |  |

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| --- | --- | --- | --- | --- | --- |
| **No.** | **URS** | **Function Name** | **UTC** | **UAT\_TC** | **I\_TC** |
| 9 | URS-09 | **The customer can update his registration information after he was a member.** | **UTC-09 ,UTC-07** | **UAT\_TC09** |  |
| 10 | URS-10 | **The customer can browse the product catalogs.** | **-** | **UAT\_TC10** |  |
| 11 | URS-11 | **The customer can search for the product name.** | **UTC-10** | **UAT\_TC11** |  |
| 12 | URS-12 | **The customer can add the product to his shopping cart.** | **UTC-11** | **UAT\_TC12** |  |
| 13 | URS-13 | **The customer can remove the added product on the shopping cart.** | **UTC-12** | **UAT\_TC13** |  |
| 14 | URS-14 | **The customer can select checkout to see the buying transaction summary.** | **UTC-13** | **UAT\_TC14** |  |
| 15 | URS-15 | **The customer can see the shopping history which he had done the shopping process.** | - | **UAT\_TC15** |  |
| 16 | URS-16 | **The customer can save the shopping cart which will be shopping ​​later.** | - | **UAT\_TC16** |  |
| 17 | URS-17 | **The customer can log out the system.** | - | **UAT\_TC17** |  |
| 18 | URS-18 | **The customer can continue shopping the latest cart.** | - | **UAT\_TC18** |  |