|  |  |
| --- | --- |
| **#** | **Use Case Name** |
| 1 | Approve Production Order |
| 2 | Approve Purchase Requisition |
| 3 | Attach Purchase Invoice |
| 4 | Cancel Production Order |
| 5 | Cancel Purchase Order |
| 6 | Cancel Purchase Requisition |
| 7 | Cancel Sales Order |
| 8 | Complete Production Order |
| 9 | Complete Purchase Order payment |
| 10 | Complete Sales Order |
| 11 | Create Production Order |
| 12 | Create Purchase Order |
| 13 | Create Purchase Requisition |
| 14 | Create Sales Order |
| 15 | Deactivate user |
| 16 | Generate Inventory Report |
| 17 | Generate Procurement Report |
| 18 | Generate Production Report |
| 19 | Generate Sales Invoice |
| 20 | Generate Sales Report |
| 21 | Goods issue |
| 22 | Goods receive |
| 23 | Log in |
| 24 | Log out |
| 25 | Manage Manufacturing Facility list |
| 26 | Manage my account |
| 27 | Manage Products |
| 28 | Manage Retailers |
| 29 | Manage stock |
| 30 | Manage supplys |
| 31 | Manage users |
| 32 | Manage vendors |
| 33 | Manage Warehouse list |
| 34 | Start Production Order |
| 35 | Update Production Order |
| 36 | Update Purchase Order |
| 37 | Update Purchase order status |
| 38 | Update Purchase Requisition |
| 39 | Update Sales Order |
| 40 | Update Sales Order status |
| 41 | View my notifications |
| 42 | View Production Order |
| 43 | View Purchase Order |
| 44 | View Purchase Requisition |
| 45 | View Sales Order |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 |
| 1 |  |  |  |  |  | U |  |  |  |
| 2 |  |  |  |  |  |  |  | U |  |
| 3 |  |  |  |  |  |  | U |  |  |
| 4 |  |  |  |  |  | U |  |  |  |
| 5 |  |  |  |  |  |  | U |  |  |
| 6 |  |  |  |  |  |  |  | U |  |
| 7 |  |  |  |  |  |  |  |  | U |
| 8 |  |  |  |  |  | U |  |  |  |
| 9 |  |  |  |  |  |  | U |  |  |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 |
| 10 |  |  |  |  |  |  |  |  |  |
| 11 |  |  |  |  |  |  |  |  |  |
| 12 |  |  |  |  |  |  |  |  |  |
| 13 |  |  |  |  |  |  |  |  |  |
| 14 |  |  |  |  |  |  |  |  |  |
| 15 |  |  |  | U |  |  |  |  |  |
| 16 |  |  |  |  |  |  |  |  |  |
| 17 |  |  |  |  |  |  |  |  |  |
| 18 |  |  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 |
| 10 |  |  |  |  |  |  |  |  | U |
| 11 |  |  |  |  |  |  |  |  |  |
| 12 |  |  |  |  |  |  |  | U |  |
| 13 |  |  |  |  |  |  |  |  |  |
| 14 |  |  |  |  |  |  |  |  |  |
| 15 |  |  |  |  |  |  |  |  |  |
| 16 |  |  |  |  |  |  |  |  |  |
| 17 |  |  |  |  |  |  |  |  |  |
| 18 |  |  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 |
| 19 |  |  |  |  |  |  |  |  | U |
| 20 |  |  |  |  |  |  |  |  |  |
| 21 |  |  |  |  |  |  |  |  | U |
| 22 |  |  |  |  |  | U | U |  |  |
| 23 |  |  |  |  |  |  |  |  |  |
| 24 |  |  |  |  |  |  |  |  |  |
| 25 |  |  |  |  |  |  |  |  |  |
| 26 |  |  |  |  |  |  |  |  |  |
| 27 |  |  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Requirement ID | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 |
| 28 |  |  |  |  |  |  |  |  |  |
| 29 |  |  |  |  |  |  |  |  |  |
| 30 |  |  |  |  |  |  |  |  |  |
| 31 |  |  |  |  |  |  |  |  |  |
| 32 |  |  |  |  |  |  |  |  |  |
| 33 |  |  |  |  |  |  |  |  |  |
| 34 |  |  |  |  |  | U |  |  |  |
| 35 |  |  |  |  |  | U |  |  |  |
| 36 |  |  |  |  |  |  | U |  |  |
| 37 |  |  |  |  |  |  | U |  |  |

**Requirements Source Traceability Matrix**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Requirement ID | Admin | Director | Finance | Procurement manager | Procurement specialist | Inventory manager |
| 1 | 1 |  |  |  |  |  |
| 2 | 1 |  | 1 |  |  |  |
| 3 | 1 |  |  |  | 1 |  |
| 4 | 1 |  |  |  |  |  |
| 5 | 1 |  |  |  | 1 |  |
| 6 | 1 |  |  |  |  |  |
| 7 | 1 |  |  |  |  |  |
| 8 | 1 |  |  |  |  |  |
| 9 | 1 |  | 1 |  |  |  |
| 10 | 1 |  |  |  |  |  |
| 11 | 1 |  |  |  |  |  |
| 12 | 1 |  |  |  | 1 |  |
| 13 | 1 |  |  |  |  |  |
| 14 | 1 |  |  |  |  |  |
| 15 | 1 |  |  |  |  |  |
| 16 | 1 | 1 |  |  |  | 1 |
| 17 | 1 | 1 |  | 1 |  |  |
| 18 | 1 | 1 |  |  |  |  |
| 19 | 1 | 1 |  |  |  |  |
| 20 | 1 | 1 |  |  |  |  |
| 21 | 1 |  |  |  |  |  |
| 22 | 1 |  |  |  |  |  |
| 23 | 1 |  |  |  |  |  |
| 24 | 1 |  |  |  |  |  |
| 25 | 1 |  |  |  |  |  |
| 26 | 1 |  |  |  |  |  |
| 27 | 1 |  |  |  |  |  |
| 28 | 1 |  |  |  |  |  |
| 29 | 1 |  |  |  |  |  |
| 30 | 1 |  |  | 1 |  |  |
| 31 | 1 |  |  |  |  |  |
| 32 | 1 |  |  | 1 |  |  |
| 33 | 1 |  |  |  |  | 1 |
| 34 | 1 |  |  |  |  |  |
| 35 | 1 |  |  |  |  |  |
| 36 | 1 |  |  |  | 1 |  |
| 37 | 1 |  |  |  | 1 |  |
| 38 | 1 |  |  |  |  |  |
| 39 | 1 |  |  |  |  |  |
| 40 | 1 |  |  |  |  |  |
| 41 | 1 |  |  |  |  |  |
| 42 | 1 |  |  |  |  |  |
| 43 | 1 |  |  |  | 1 |  |
| 44 | 1 |  |  |  |  |  |
| 45 | 1 |  |  |  |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Requirement ID | Inventory specialist | Production planner | Production manager | Sales specialist | Sales manager | User |
| 1 |  |  |  |  |  |  |
| 2 |  |  | 1 |  |  |  |
| 3 |  |  |  |  |  |  |
| 4 |  | 1 |  |  |  |  |
| 5 |  |  |  |  |  |  |
| 6 |  | 1 |  |  |  |  |
| 7 |  |  |  | 1 |  |  |
| 8 |  |  |  |  |  |  |
| 9 |  |  |  |  |  |  |
| 10 |  |  |  | 1 |  |  |
| 11 |  | 1 |  |  |  |  |
| 12 |  |  |  |  |  |  |
| 13 |  | 1 |  |  |  |  |
| 14 |  |  |  | 1 |  |  |
| 15 |  |  |  |  |  |  |
| 16 |  |  |  |  |  |  |
| 17 |  |  |  |  |  |  |
| 18 |  |  |  |  |  |  |
| 19 |  |  |  | 1 |  |  |
| 20 |  |  |  |  | 1 |  |
| 21 | 1 |  |  |  |  |  |
| 22 | 1 |  |  |  |  |  |
| 23 |  |  |  |  |  | 1 |
| 24 |  |  |  |  |  | 1 |
| 25 |  |  |  |  |  |  |
| 26 |  |  |  |  |  | 1 |
| 27 |  |  |  |  | 1 |  |
| 28 |  |  |  |  | 1 |  |
| 29 | 1 |  |  |  |  |  |
| 30 |  |  |  |  |  |  |
| 31 |  |  |  |  |  |  |
| 32 |  |  |  |  |  |  |
| 33 |  |  |  |  |  |  |
| 34 |  | 1 |  |  |  |  |
| 35 |  | 1 |  |  |  |  |
| 36 |  |  |  |  |  |  |
| 37 |  |  |  |  |  |  |
| 38 |  | 1 |  |  |  |  |
| 39 |  |  |  | 1 |  |  |
| 40 |  |  |  | 1 |  |  |
| 41 |  |  |  |  |  | 1 |
| 42 |  | 1 |  |  |  |  |
| 43 |  |  |  |  |  |  |
| 44 |  | 1 |  |  |  |  |
| 45 |  |  |  | 1 |  |  |

**Requirements Stakeholder Traceability Matrix**

|  |  |  |
| --- | --- | --- |
| **Requirement ID** | **Rank 1 (lowest importance) – 5 (highest importance)** | **Stakeholder Source (D – Director, I – Inventory staff, PD - Production Staff, S -Sales Staff, PC – Procurement Staff)** |
| 1 | **3** | **PD,D** |
| 2 | **3** | **PC.D** |
| 3 | **1** | **PC** |
| 4 | **4** | **PD** |
| 5 | **4** | **PC** |
| 6 | **4** | **PC** |
| 7 | **4** | **S** |
| 8 | **3** | **PD** |
| 9 | **3** | **PC** |
| 10 | **3** | **S** |
| 11 | **5** | **PD** |
| 12 | **5** | **PC** |
| 13 | **5** | **PC** |
| 14 | **5** | **S** |
| 15 | **2** | **D** |
| 16 | **2** | **D** |
| 17 | **2** | **D** |
| 18 | **2** | **D** |
| 19 | **1** | **S** |
| 20 | **2** | **D** |
| 21 | **5** | **I** |
| 22 | **5** | **I** |
| 23 | **5** | **D,I,PC,PD,S** |
| 24 | **5** | **D,I,PC,PD,S** |
| 25 | **3** | **PD** |
| 26 | **2** | **D,I,PC,PD,S** |
| 27 | **4** | **S** |
| 28 | **4** | **I** |
| 29 | **4** | **I** |
| 30 | **4** | **PC** |
| 31 | **3** | **D,I,PC,PD,S** |
| 32 | **4** | **PC** |
| 33 | **4** | **I** |
| 34 | **5** | **PD** |
| 35 | **5** | **PD** |
| 36 | **5** | **PC** |
| 37 | **5** | **PC** |
| 38 | **5** | **PC** |
| 39 | **5** | **S** |
| 40 | **5** | **S** |
| 41 | **3** | **D,I,PC,PD,S** |
| 42 | **5** | **PD** |
| 43 | **5** | **PC** |
| 44 | **5** | **PC** |
| 45 | **5** | **S** |