**Trace Matrix**

**UC: 9,10, 22, 33-35**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | SR  2.1 | SR  4.1 | SR  4.5 | SR  6.2 |
| UC 9: Fire Employee |  | × | × |  |
| UC 10: Hire Employee |  | × | × |  |
| UC 22: Pay Employee |  |  |  | × |
| UC 33: Remove Item From Cart | × |  |  |  |
| UC:34: Update Cart | × |  |  |  |
| UC 35: Delete Customer | × |  |  |  |

**UC: 25-27, 36-39**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | SR  2.5 | SR  5.1 | SR  5.2 | SR  5.3 | SR  6.1 | SR  6.2 | SR  6.3 |
| UC 25: Add Item |  | × |  |  | × |  |  |
| UC 26: Update Item |  |  | × |  |  |  |  |
| UC 27: Delete Item |  |  |  | × |  |  |  |
| UC 36: Input Shipping Information | × |  |  |  |  |  |  |
| UC 37: Display Product Information |  |  |  | × |  |  |  |
| UC 38: Update Product Information |  |  |  |  |  | × |  |
| UC 39: Delete Product Information |  |  |  |  |  |  | × |

**UC: 4, 5, 7, 8, 11, 40-42**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | SR  3.1 | SR  3.2 | SR  3..3 | SR  3.4 | SR  3.5 | SR  3.6 | SR  3.7 | SR  4.3 | SR  4.5 | SR  4.6 |
| UC 4: Create Order | × |  |  |  |  |  |  |  |  |  |
| UC 5: Modify Order |  | × |  |  |  |  |  |  |  |  |
| UC 6: Delete Order |  |  | × |  |  |  |  |  |  |  |
| UC 7: View Previous Orders |  |  |  |  |  |  |  |  |  |  |
| UC 8: Fulfill Order |  |  | × | × | × |  |  |  |  |  |
| UC 11: Ship Order |  |  |  |  |  |  |  |  |  |  |
| UC 40: Display Business Info |  |  |  |  |  |  |  | × |  |  |
| UC 41: Edit Business Info |  |  |  |  |  |  |  |  | × |  |
| UC 42: Delete Business Info |  |  |  |  |  |  |  |  |  | × |

**UC: 15, 16, 20, 21 ,23, 24**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | SR  2.1 | SR  2.4 | SR  2.5 | SR  3.1 | SR  3.4 | SR  4.1 | SR  4.5 | SR  4.6 | SR  4.8 | SR  6.1 |
| UC 15: Update Products |  |  |  |  |  | × | × | × |  | × |
| UC 16: Complete Payment Information | × |  | × |  | × |  |  |  |  |  |
| UC 20: Collect Payment |  |  | × |  | × |  |  |  |  |  |
| UC 21: Process Payment |  | × |  |  | × |  |  |  |  |  |
| UC 23: Request A Quote |  |  |  | × |  |  |  |  | × |  |
| UC 24: Provide a Quote |  |  |  | × |  |  |  |  | × |  |

**UC: 1-3, 17-19**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | SR  1.2 | SR  1.3 | SR  1.4 | SR  1.6 | SR  4.2 | SR  4.8 |
| UC 1: Create Account | × |  |  |  |  |  |
| UC 2: Edit Account |  | × |  |  |  |  |
| UC 3: Delete Account |  |  | × |  |  |  |
| UC 17: Contact Karoline |  |  |  | × |  |  |
| UC 18: Respond To Customer |  |  |  |  | × |  |
| UC 19: Post To Social Media |  |  |  |  |  | × |

**UC: 12-14, 29-31**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | SR  4.2 | SR  4.3 | SR  4.4 | SR  4.5 | SR  4.6 | SR  5.1 | SR  5.2 | SR  5.3 | SR  5.4 | SR  5.5 | SR  6.1 | SR  6.2 | SR  6.3 |
| UC 12: Order Supplies |  | × | × | × | × |  |  | × | × | × | × | × | × |
| UC: 13: Track Supply Expense |  | × | × | × | × |  |  | × | × | × | × | × | × |
| UC 14: Upload Content To Facebook | × | × |  |  |  |  |  |  |  |  |  |  |  |
| UC 29: Record Costs |  | × | × | × | × |  |  | × | × | × | × | × | × |
| UC 30: Record Income |  | × | × | × | × | × | × | × | × | × | × | × | × |
| UC 31: Record Number Of Hours Worked |  | × | × | × | × |  |  |  |  |  | × | × | × |