**UC01 - User Authentication - Login**

* T01 Email Verification - Email is required
* T02 Password Verification - Password is required
* T03 Login - Email/Password is incorrect

**UC02 - Jewelry Management - Create Products**

* T04 Barcode - Barcode is required
* T05 Jewelry Code - Jewelry Code is required
* T06 Jewelry Name - Jewelry Name is required
* T07 Labor - Labor is required
* T08 Warranty Time - Warranty Time is required
* T09 Gold Type - Gold Type must be selected
* T10 Gem Type - Gem Type must be selected
* T11 Jewelry Type - Jewelry Type must be selected

**UC03 - Jewelry Management - Delete Products**

* T12 Delete Jewelry - Deleted Successfully

**UC04 - Jewelry Management - Update Products**

* T13 Barcode - Barcode is required
* T14 Jewelry Code - Jewelry Code is required
* T15 Jewelry Name - Jewelry Name is required
* T16 Labor - Labor is required
* T17 Warranty Time - Warranty Time is required
* T18 Gold Type - Gold Type must be selected
* T19 Gem Type - Gem Type must be selected
* T20 Jewelry Type - Jewelry Type must be selected

**UC05 - Staff Management - Manage create staff**

* T21 Code Verification - Code is required
* T22 Full Name - Full Name must contain at least 2 words
* T23 Password - Password is required
* T24 Phone Number - Phone Number must be numeric and at 9 digits
* T25 Email - Email must be valid
* T26 Counter - Counter is required
* T27 Submit - Email or Code already exist

**UC06 - Staff Management - Manage edit staff**

* T28 Full Name - Full Name must contain at least 2 words
* T29 Phone Number - Phone Number must be numeric and at 9 digits
* T30 Counter - Counter is required (role Staff)

**UC07 - Staff Management - Manage delete staff**

* T31 Delete Staff - Deleted Successfully

**UC08 - Counter Management - Edit Counter**

* T32 Edit Counter - Counter Name is required

**UC09 - Counter Management - Delete Counter**

* T33 Delete Counter - Delete Successfully

**UC10 - Counter Management - Update Counter**

* T34 Update Counter - Counter Name is required

**UC11 - Counter Management - Create Counter**

* T35 Counter - Counter Name is required

**UC12 - Promotion Management - Create Promotion**

* T36 Promotion Description - Promotion Description is required
* T37 Promotion - Promotion with the same discount rate already exists for this period
* T38 Promotion Start Date - Promotion Start Date is required
* T39 Promotion Start Date - Promotion Start Date must not be in the past
* T40 Promotion End Date - Promotion End Date is required
* T41 Promotion End Date - Promotion End Date must not be in the past
* T42 Promotion End Date - Promotion End Date must be after Promotion Start Date
* T43 Promotion Discount Rate - Promotion Discount Rate is required
* T44 Promotion Discount Rate - Promotion Discount Rate is greater than 0 and less than 100

**UC13 - Promotion Management - Update Promotion**

* T45 Promotion Description - Promotion Name is required
* T46 Promotion - Promotion with the same discount rate already exists for this period
* T47 Promotion Start Date - Promotion Start Date is required
* T48 Promotion Start Date - Promotion Start Date must not be in the past
* T49 Promotion End Date - Promotion End Date is required
* T50 Promotion End Date - Promotion End Date must not be in the past
* T51 Promotion End Date - Promotion End Date must be after Promotion Start Date
* T52 Promotion Discount Rate - Promotion Discount Rate is required
* T53 Promotion Discount Rate - Promotion Discount Rate is greater than 0 and less than 100

**UC14 - Promotion Management - Delete Promotion**

* T54 Delete Promotion - Deleted Successfully

**UC15 - Sale Management - Create Sale Bill**

* T55 Counter Name - Counter Name is required
* T56 Counter Name - Counter Name must be retrieved from the database
* T57 Staff Name - Staff name must be retrieved from the database
* T58 Staff Name - Staff name is required
* T59 Customer Name - Customer Name is required
* T60 Adding Item - Adding item is required
* T61 Adding Item - Selecting Item is required
* T62 Adding Item - Quantity must be greater than 0

**UC16 - Sale Management - Pay Bill**

* T63 Payment - Payment Successfully
* T64 Payment - Payment Failed

**UC17 - Sale Management - Search Bill**

* T65 Bill ID - Search bill with Bill ID
* T66 Customer Name - Search bill with Customer Name

**UC18 - Purchase Management - Create Purchase Bill**

* T67 Counter Name - Counter Name must be retrieved from the database
* T68 Staff Name - Staff name must be retrieved from the database
* T69 Counter Name - Counter Name is required
* T70 Staff Name - Staff name is required
* T71 Customer Name - Customer Name is required
* T72 Adding Item - Adding item is required
* T73 Adding Item - Selecting Item is required

**UC19 - Purchase Management - Search Purchase**

* T74 Bill ID - Search bill with Bill ID
* T75 Customer Name - Search bill with Customer Name

**UC20 - Customer Information Management - Create Customer Information**

* T76 Code Verification - Code is required
* T77 Gender Verification - Gender is required
* T78 Address Verification - Address is required
* T79 Address Verification - Address must contain at least 2 characters
* T80 Full Name Verification - Full Name is required
* T81 Full Name - Full Name must contain at least 2 words
* T82 Phone Number Verification - Phone Number is required
* T83 Phone Number - Phone Number must be numeric and have 10 digits
* T84 Submit - Code already exists

**UC21 - Customer Information Management - Update Customer Information**

* T85 Code Verification - Code is required
* T86 Gender Verification - Gender is required
* T87 Address Verification - Address is required
* T88 Address Verification - Address must contain at least 2 characters
* T89 Full Name Verification - Full Name is required
* T90 Full Name - Full Name must contain at least 2 words
* T91 Phone Number Verification - Phone Number is required
* T92 Phone Number - Phone Number must be numeric and have 10 digits
* T93 Submit - Code already exists

**UC22 - Customer Information Management - Delete Customer Information**

* T94 Delete Customer - Deleted Successfully