

Exercise 05 - Values

Objective

By the end of this exercise, you will be able to add the Values to the TestSheet to further specify the future TestCases.

Why is this important?

The more detailed the information for the Automation Specialists, the quicker they will be able to work and the less errors should occur.

Instructions

1. Duplicate the Folder: "**Exercise 4b Data Combinations - Manual Linear Expansion - TestSheet Level**" and rename it "**Exercise 5 Values**".

Context

The Values that will be used when the TestCases are created can now be added to the TestSheet. The Administration Attribute requires some basic admin information. However, this will not be required in the TestCase creation phase.

Other Values may require Attributes to be created. For example, in the "Type of User" Attribute, the StraightThrough Instance is that the User is "Registered". However, here the actual Values for "User Name" and "Password" that should be used can be specified. As all combinations have already taken place, there is no effect on the number of TestSheet Instances.

2. Focus on the TestSheet level, and expand the Attribute "**Administration**". Add the following Values for the Attributes for **all** the TestCase Instances:

- **Test Designer:** Max Methodology
- **Contact Person (Business):** Peter Business

3. Add the following Values for the Attribute "**Test Stage**" according to the table below:

	Instances					
	Physical	Digital	Free Shipping	In-Store Pickup	Free Shipping Boundary	Shipping Costs Applied Boundary
Attributes						
Test Stage	Smoke	Regression	Regression	Regression	One Time	One Time

4. Focus on the Attribute "**Type of User**" (*Precondition>>Customer>>Type of User*) and add two further Attributes:

- **Username**
- **Password**

5. In the newly created Attributes, enter the Values as per the table below:

Attribute	Value
Username	email@company.com
Password	12345678

Context

The Values for the Product Attribute need to be added now. In this case, the products chosen should meet the Requirements of each individual TestSheet Instance. For example, a physical product (Blue Jeans) should be chosen. The choice and quantity of the product must take into account the total price, as this effects whether shipping costs are applicable or not, and is necessary to calculate the correct Boundary Values (shipping costs apply on an order of a physical product of \$50 or below).

Focus on the **"Product"** Attribute (*Process>>Ordered Products>>Product*).

6. Where the Attributes intersect with the following TestCase Instances, add the Values according to the table below:

	Instances				
	Physical	Digital	Free Shipping	Free Shipping Boundary	Shipping Costs Applied Boundary
Attributes					
Product Type	Physical	Digital	Physical	Physical	Physical
Article	Blue Jeans	3rd Album	Blue Jeans	Blue Jeans	Blue Jeans
Quantity	1	1	70	51	50

Context

The Instances and Values for the credit card's expiration date can now be added. In this case, a dynamic expression will be used as the Value. Dynamic expressions can also be used in TestSheets and linked to TestSheet Templates. As you will remember from Automation Specialist Level 1, this dynamic date expression will ensure that the expiry date is always 2 years in the future.

Focus on the **"Expiration Date"** Attribute (*Process>>Checkout>>Payment Method>>Credit Card Information>>Expiration Date*). Add the Attributes:

7.
 - **Month**
 - **Year**

Add the Values as per the table below:

Attribute	Value
Month	{DATE[][MM]}
Year	{DATE[+2y][yyyy]}

Context

The Verification Attribute is now populated with data. This data will tell the Automation Specialist the actual Values to be verified within this TestSheet. This is two areas: The success message, that is, that the SUT tells the user that an order was placed successfully. Secondly, the order details, which is the financial information broken down as it appears in the SUT, so the shipping cost, and the total price will both have the expected Values to be verified entered.

8. Focus on the **"Message"** Attribute (*Verification>>Message*). Add the Attribute:
- **Value**
- Add the Value as per the table below:

	Instances
	Success Message
Attributes	
Value	Your order has been successfully processed

9. Focus on the TestSheet and navigate to and expand the **"Verification"** Attribute. Use the Dropdown box to add the Value **"Success Message"** to the **"Message"** Attribute where it intersects with all Instances at the TestSheet level.

10. Focus on and expand the **"Shipping Cost"** Attribute (*Verification>>Order Details>>Shipping Cost*). Add the Attribute:
- **Value**
- Where the Attribute **"Value"** intersects with the following TestSheet Instances, add the Values according to the table below:

	Instances		
	Default Shipping Costs	Free Shipping	No Shipping
Attributes			
Value	10.00	0.00	Not Required

11. Focus on and expand the Attribute **"Order Details"** (*Verification>>Order Details*). Add the Attribute:
- **Value Total Price**

12. Focus on the TestSheet. Where the Attribute **"Value Total Price"** intersects with the following TestCase Instances, add the Values according to the table below:

	Instances					
	Physical	Digital	Free Shipping	In-Store Pickup	Free Shipping Boundary	Shipping Costs Applied Boundary
Attributes						
Value Total Price	11.00	1.00	70.00	1.00	51.00	60.00

13. Focus on the TestSheet. Where the Attributes **"Shipping Cost"** and **"Total Price"** intersect with the following TestSheet Instances, add the Values from the drop down boxes according to the table below:

	Instances					
	Physical	Digital	Free Shipping	In-Store Pickup	Free Shipping Boundary	Shipping Costs Applied Boundary
Attributes						
Shipping Costs	Default Shipping Costs	No Shipping	Free Shipping	No Shipping	Free Shipping	Default Shipping Costs
Total Price	Order Value + Shipping Costs	Order Value	Order Value + Shipping Costs	Order Value	Order Value + Shipping Costs	Order Value + Shipping Costs

Hints

- » Using “Fill Empty Values” and the Filter function can make entering data into the TestSheet much quicker.