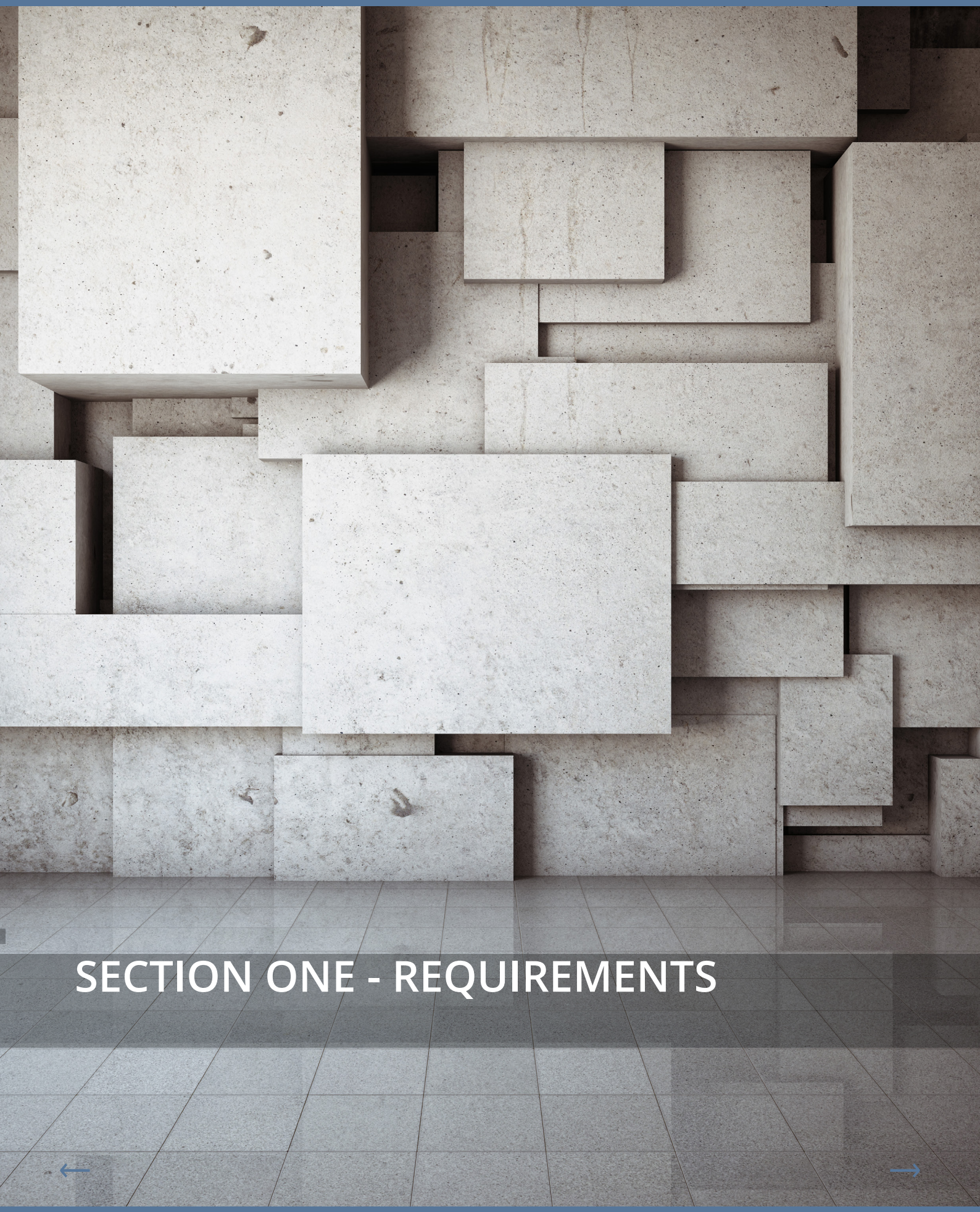

SECTION ONE - REQUIREMENTS

REQUIREMENTS

Exercise 01a | Create a Basic Structure

Objective

By the end of this exercise, you will be able to create a basic Requirement structure for the DemoWebShop.

Why is this important?

These are the first steps in building your Requirement structure.

Key elements:

Requirement Set | Requirement | Requirement Folder

Instructions

1.	Within the Requirements Folder "**Requirements**", create a Folder named "**Backlog**".	☐
2.	Within the Requirements Folder "**Backlog**", create a Folder named "**Exercise 1a Create a Basic Structure**".	☐
3.	Within the Requirements Folder "**Exercise 1a Create a Basic Structure**", create a Requirement Set named "**Demo Web Shop**".	☐
4.	Within the Requirement "**Demo Web Shop**", create two Requirements: • **Customer Tasks** • **Handle Products**	☐
5.	Within the Requirement "**Customer Tasks**", create the following Sub-Requirements: • **Register** • **Log In** • **Modify Customer Data** • **Check Orders**	☐
6.	Within the Requirement "**Handle Products**", create the following Sub-Requirements: • **Product Configuration** • **Modify Products View** • **Compare Products** • **Search for Products**	☐

Hints

» Requirements can be created using "Create Object" in the Ribbon, "Create Requirement" in the Mini Toolbar or the shortcut "Ctrl+N Ctrl+R" which creates a Sub-Requirement.

» "Create Requirement (after this)" in the Mini Toolbar or the shortcut "Ctrl+," creates a Requirement on the same level as the one currently selected.

Exercise 01b | Basic Weighting

Objective

By the end of this exercise, you will be able to add a basic weighting structure to the basic Requirement structure.

Why is this important?

Weighting is at the heart of a risk based testing project. This exercise will allow you to practice the first steps in weighting your project.

Instructions

1.	Please enable the "**AutoCalculateRequirements**" setting: Navigate to *Project>>Settings>>Commander>>General>>Advanced*. For the setting "**AutoCalculateRequirements**", selecting "**On**" will enable the auto update function. **Tosca must be restarted to confirm this setting change**.	☐
2.	Duplicate the Folder: "**Exercise 1a Create a Basic Structure**" and rename it: "**Exercise 1b Basic Weighting**".	☐
3.	Expand the Requirement Set "**Demo Web Shop**". Ensure that the column "**Weight**" is shown. If not, use the "**Column Chooser**" to add it.	☐
4.	For the Requirement "**Customer Tasks**", add the Weight **4**. For the Requirement "**Handle Products**", add the Weight **3**.	☐
5.	Add the Weights for the Sub-Requirements as per the table below:	☐

Requirement	Sub-Requirement	Weight
Customer Tasks	Register	3
	Log In	5
	Modify Customer Data	2
	Check Orders	2
Handle Products	Product Configuration	4
	Modify Products View	3
	Compare Products	1
	Search for Products	3

Exercise 01c | Expand the Structure

Objective

By the end of this exercise, you will be able to expand the Requirement structure to reflect the Requirement Set "Front End" for the Demo Web Shop

Why is this important?

This will allow you to create a more realistic Requirement structure.

Instructions

1. Duplicate the Folder: "**Exercise 1b Basic Weighting**" and rename it: "**Exercise 1c Expand the Structure**". ☐
2. Add the remaining **Requirements** into the Requirement Set "**Demo Web Shop**" as per the table below: ☐

Requirement	Sub-Requirement
Shopping Cart	**Add Products**
	Gift Cards
	Discounts
	Manage Shopping Cart
Order Process	**Execute Checkout**
	Billing and Shipping Address
	Calculate Shipping Cost
	Payment Methods
	Re-Order

Hints

» Shortcuts can make creating a Requirement structure much quicker.

» You can use the "Create Requirement structure from Clipboard" functionality to create multiple Requirements at once if you copy all names into the Clipboard.

Exercise 01d | Weighting with Frequency & Damage

Objective

By the end of this exercise, you will be able to weight the Requirements using the Frequency and Damage classes.

Why is this important?

Using Frequency and Damage classes to weight the Requirements is a much more accurate method to calculate risk.

Instructions

1. Duplicate the Folder: "**Exercise 1c Expand the Structure**" and rename it: "**Exercise 1d Weighting with Frequency & Damage**". ☐
2. Expand the Requirement "**Customer Tasks**". Ensure that the columns "**Frequency class**" and "**Damage class**" are shown. If not, use the "**Column Chooser**" to add them. ☐
3. Within the Requirement "**Customer Tasks**", add the following Values:
   - **Frequency class: 4**
   - **Damage class: 4**

   ☐
4. Add the remaining Frequency and Damage Values for the main Requirements as per the table below: ☐

Requirement	Frequency class	Damage class
Handle Products	3	3
Shopping Cart	5	5
Order Process	5	5

5. Add the Values for the Frequency and Damage for the Sub-Requirements as per the table below: ☐

Requirement	Sub-Requirement	Frequency class	Damage class
Customer Tasks	Register	3	4
	Log In	5	4
	Modify Customer Data	3	2
	Check Orders	2	3
Handle Products	Product Configuration	3	3
	Modify Products View	4	2
	Compare Products	1	1
	Search for Products	4	2
Shopping Cart	Add Products	3	5
	Gift Cards	3	4
	Discounts	3	4
	Manage Shopping Cart	3	4
Order Process	Execute Checkout	3	5
	Billing and Shipping Address	2	5
	Calculate Shipping Costs	5	5
	Payment Methods	5	5
	Re-Order	2	4

Exercise 01e | Structure Sprint #1

Objective

By the end of this exercise, you will be able to create a Requirement structure for a Sprint within an Agile working environment.

Why is this important?

Learning how to use the Requirements structure within different working methodologies is important.

Instructions

1.	Navigate to the Requirements Folder named "**Requirements**". Within this Folder, create a new Folder named "**Sprint Backlogs**".	☐
2.	Within the Folder "**Sprint Backlogs**", create a Folder named: "**Exercise 1e Structure Sprint #1**".	☐
3.	Within the Folder "**Exercise 1e Structure Sprint #1**", create a Requirement Set named "**Sprint #1**".	☐
4.	Within the Requirement Set, create the following Requirements: • **"US1: As a user, I want to order different products, ship them using different methods and pay the correct shipping fee"** • **"US2: As a user, I want to order use different payment methods and pay the correct payment fee"** • **"US3: As a user, I want to use discount codes and have them applied correctly"** • **"US4: As a user, I want to adapt products myself and have the changes be reflected accordingly"**	☐

Hints

» If necessary, further information can be added to the "Description Column".

Exercise 01f | Weighting Sprint #1

Objective

By the end of this exercise, you will be able to use Frequency and Damages classes to weight the Requirements.

Why is this important?

This will allow you to see that the weighting for Sprints is maintained in the same manner.

Instructions

1. Duplicate the Folder: "**Exercise 1e Structure Sprint #1**" and rename it: "**Exercise 1f Weighting Sprint #1**". ☐
2. Weight the Requirements according to the table below: ☐

Requirement	Frequency	Damage
US1: As a user, I want to order different products, ship them using different methods and pay the correct shipping fee	**5**	**5**
US2: As a user, I want to order use different payment methods and pay the correct payment fee	**5**	**4**
US3: As a user, I want to use discount codes and have them applied correctly	**2**	**4**
US4: As a user, I want to adapt products myself and have the changes be reflected accordingly	**2**	**3**