**Project Name**: **Testing E-commerce application**.

**Project ID**: XYZ

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**Project Overview**: The aim of the project is to enable a digital experience to our customer. The high-level features that will be implemented are:

* Order Placement from a responsive UI
* Returns and refunds
* Contact support team for any queries
* Order tracking

The purpose of this document is to define:

* Test approach (High level) for UI testing & Functional testing
* Entry & Exit criteria for the tests under scope.

The objective of the UI testing is to determine if the links, pages and database connectivity is appropriately established and there are no broken links, distorted pages and disconnection with the database while extracting the content.

Whereas Functional testing focusses on if all the intended objectives of the application are met and there are no issues with the outcome. It also helps identifying any dependencies, ensures data integrity is maintained across different components.

**In Scope:**

* UI Testing
* System Integration testing/Functional testing of the end to end business processes.

**Out of Scope:**

* Performance testing
* Operational Acceptance testing.

Test Approach:

**Test Design:**

* The use cases in the Structural requirement specifications will be used to design the test scenarios.
* The scenarios will be reviewed by respective stakeholders
* Scenarios will be prioritised for execution based on their business importance and severity.
* Scenarios will be signed off by the reviewers, agile team and SME’s before execution.

**Test Execution:**

* Execution Method: Manual & Automation
* All the scripts that are signed off by the SME’s will be executed.

**UI testing/Usability testing scenarios**: (limited the scenarios to few as the intention is to capture a sample)

* Home page & Search Functionality
* Home page, Search functionality & category/Sub category Navigation
* Verify if sort functionality is working fine
* Verify the Product listing page – click on a product and see if it is displaying all the product details.
* Verify if the menu bar is accessible and displays the sub categories upon mouse roll-over

**Functional Testing scenarios**. It also few low-level steps but are not actual Test cases: (limited the scenarios to few as the intention is to capture a sample.)

Order placement as a registered user –

* Launch URL
* Sign in with the user name & password
* Select a specific product
* Add to Cart
* Select to checkout
* Make payment

Order placement as a new Customer:

* Launch URL
* Select a specific product
* Add to Cart
* Select to checkout
* Register for new customer
* Make payment

Order placement with different delivery methods:

* Launch URL
* Select a specific product
* Add to Cart
* Select to checkout
* Register for new customer
* Select Delivery method that is suitable
* Make payment

Order placement with different payment methods:

* Launch URL
* Select a specific product
* Add to Cart
* Select to checkout
* Register for new customer
* Select Delivery method that is suitable
* Make payment using Wire

Order placement for purchases saved in Cart

* Launch URL
* Login with user credentials
* Select a specific product
* Add to cart
* Logoff
* Login back
* Go to Cart
* Proceed to checkout

**Automation/Manual scope**:

* All the order placement scenarios with random product selection will be automated
* The scenarios which require specific test data such as products with particular delivery methods and products with particular level of stocks will be performed manually.
* The basic UI checks such as Links, Forms, Page displays, Page navigation, Logo display will be automated.
* The URL Launch and User sign in will be automated
* The customer registration module (if being tested separately under Module testing) can be automated to detect any errors while registration.