# SOFTWARE REQUIRED SPECIFICATIONS DOCUMENT

# Objective

This document is just an assumption to the take home assignment for QA Role at Pesto Tech comprising of the features details that are included in the dummy E-commerce site. Icons and other UI/UX Elements are all to be referred from the document provided by UX Team and for this assignment it is just imaginary.

The site contains the following features and those explained below in the individual sections.

* User Registration
* Product Search
* Adding items to the Cart
* Checkout Process
* Order management

The website shall contain the following pages.

* Login Page
* User Registration Page
* Product Page
* Product Search Page
* Checkout Page
* Order Summary Page
* Order History Page

The site shall have the below mentioned Databases/Servers.

* Product Database – To store the availability, Pricing and all the details related to a particular product.
* Payment Database – To store the records of all the payment history.
* User Accounts Database – For User Registration and management related to site access.
* Order History Database – To keep record of all the purchased orders.

# Specifications

# User Registration

## Feature Description:

* Users should be able to create an account by providing a valid email address and a password.

## Requirements:

* User registration form with fields for email and password.
* Email validation to ensure a valid email format.
* Password requirements (e.g., minimum length should be 8 characters only. Maximum length is 12 Characters. Special characters and numbers are allowed).
* Trailing empty spaces should be trimmed in the email section.

## Functionality:

* Users must receive a confirmation email upon successful registration.
* Account activation link in the email to verify the user.

# Product Search

## Feature Description:

* Users should be able to search for products based on keywords.

## Requirements:

* Search bar prominently displayed on the homepage.
* Search results displayed in a clear and organized manner.
* Filter options should be available.
* Search box maximum input character length shall be 20. The search is case-insensitive, and results include products with variations in letter case.

## Functionality:

* Search results should include product names, prices, and brief descriptions.
* Users should be able to click on a product to view more details.

# Adding Items to the Cart

## Feature Description:

* Users should be able to add products to their shopping cart.

## Requirements:

* Each product page should have an "Add to Cart" button.
* A visual indicator (e.g., a small cart icon) should show the number of items in the cart.
* User should be able to add maximum of 10 items to the cart and a minimum of 1.
* User shall have a feature to select the quantity of products to be purchased. By default, it should always be 1. No decimal entries allowed.
* Duplication of the product is allowed. In this case the quantity number should increase by 1.
* Add to cart button should also be present in Search Page.

## Functionality:

* Upon clicking "Add to Cart," the selected item should be added to the cart.
* Users should receive a confirmation message.
* Can add products to the cart from the search page itself.

# Checkout Process:

## Feature Description:

* Users should be able to proceed to checkout and complete their purchase.
* Payment gateway is assumed to be having the following support Debit card & Credit Card support, UPI acceptance (Google Pay only) and Net banking in this release.
* Before completing the checkout, user should be navigated to Order Summary Page.
* Users can apply discount coupons to a product.

## Requirements:

* "Checkout" button in the cart view.
* Basic user information (name, address, payment details) collected during checkout.
* Minimum User information shall be as follows to be required for the checkout process. These should be highlighted in Red or any equivalent indications.
  + User’s Full Name
  + Residential Address
  + Mobile Number
  + Payment Mode
* Order summary page should display the selected orders with payment details.
* Discount coupons can be applied to a product and later in respect to the said, product amount should be reduced.
* If user aborts the checkout midway, then some message should be shown.

## Functionality:

* Users should be guided through a simple step-by-step checkout process.
* Clear indication of the total order cost and individual item prices.
* User should be able to review the order before checking out.

# Order Management

## Feature Description:

* Users should be able to view and manage their orders.

## Requirements:

* "Order History" section in the user account.
* Each order should display order date, items purchased, and total cost.
* Should have an option to re-order same item again.
* User can cancel the already placed order.
* User can filter out previously placed orders with a filter option (Date range and Order Status).
* Sorting option should also be there. (Date, order number).
* User should be able to download the invoices too.
* User can archive the old orders.

## Functionality:

* Users should be able to click on an order to view more details.
* Option to track the status of an order (e.g., processing, shipped).
* Users will have options to filter, Sort and Archive the orders.