Date: 13/05/2026

Software requirement specification for

The Development of an E-Commerce Web Application



For YU Technologies Pvt. Ltd.

Miraj

1. User Roles

1.1 Web Administrator (Admin Panel)

Access to product management, order processing, reports, and compliance document uploads.

1.2 Customer (Customer Panel)

Access to profile management, product browsing, cart, order placement and order tracking.

2. Admin Panel Features

2.1 Product & Catalogue Management

- Create, update, and delete **Product Categories**
- Create, update, and delete **Products** with the following details:
    - Product Name
    - Product Image
    - Item Code
    - Quantity
    - Price / Rate
    - GST Percentage.
    - Product Description
    - Product Detail PDF Upload
    - Delivery insurance for the product
- Upload **Product User Manuals**
- Manage **Product Stock Levels**
- Manage **Lead Time for Back Orders**

2.2 Order Management

- View all orders with delivery insurance (if applicable)
- Update order status (Pending, Confirmed, Shipped, Delivered)
- Track back-order lead times
- View order details including products, quantity, payment status, and customer information

2.3 Customer Management

- View registered customers
- Access customer profiles
- View customer order history

2.4 Compliance & Certification Management

- Upload and manage **RoHS Certificates** for applicable products
- Associate certificates with specific products

3. Admin Panel – Data Visualisation

The admin dashboard will provide structured views for:

- Product Categories
- Product Listings with stock and pricing
- Product Manuals and PDFs
- Lead Time Configuration

4. Admin Reports

The system will generate the following reports:

- Product Orders Report
- Customer Report
- Orders Summary Report
- Customer Order Report

Reports will support filtering by date range, product, and customer (if applicable)

5. Customer Panel Features

5.1 Customer Account Management

- New customer registration (User name, Password, Email ID)
- Email authentication with OTP to the provided Email address
- Customer login/logout
- Update customer profile (name, contact details, billing address, consignee address, GST details if applicable)

5.2 Product Browsing & Search

- Browse products by category
- Search products
- Show Product in Table Format with a checkbox.
- Show Customisation Button for product with options email id, phone number, and customisation remark.
- View product details, including:
    - Price
    - Stock availability
    - Product description
    - Product User Manual
    - View Lead Time for Back Order
    - RoHS certificate (if available)
    - With the Add to Cart Option.

5.3 Shopping Cart & Checkout

- Update product quantities in cart
- Remove products from cart
- Check and apply (if needed) for delivery insurance for ordered products
- Place an order from the cart (with GST price bifurcation like SGST, CGST)
- Online payment via payment gateway integration
- Order confirmation notification

5.4 Order Tracking

- Track order status
- View order history
- View and Download order invoice

6. Static Pages (Customer Facing)

The website will include the following static pages:

- Terms and Conditions
- Privacy Policy
- Legal Notice
- Copyright Notice
- Contact Us Page

7. Additional Functional Requirements

- Role-based access control.
- PDF upload and download functionality.
- Payment gateway integration
- DTDC gateway integration.
- Mobile-responsive design.
- SEO-friendly URLs for product pages.

8. Non-Functional Requirements

- Data security and encrypted login
- Scalable architecture for future product expansion
- Regular database backup
- Document storage space

Commercials, Terms & Conditions:

a. Development and Implementation lead time: 30 Working Days for development and 5 Days for testing and debugging

b. Payments 50% Advance, 50% After Successful Trial and handover of the system

c. Development cost Rs 1,30,000/- (One time)

d. Web space and server maintenance cost and hosting Cost Rs 15000/- PA for Shared Hosting 5 GB Space Per Annum 2000 MB per month Bandwidth Per Month)

e. AMC 20% on Development cost, reevaluable after every 3 years.

f. AMC Covers bugs fixing, telephonic tech support, cross browser compatibility maintenance during working hours.

g. Any other requirements than those mentioned above are chargeable.

BANK DETAILS :

A/c Name: Pioneer Infoworld
Bank: RBL Bank
Branch: Miraj
A/c No: 409000157062
IFSC Code: RATN0000004