

Online Shop - Customer Requirements

User Management

- Customer registration with personal information (name, email, username, phone, birth date)
- Secure password storage and authentication
- Customer profile management capabilities

Product Catalog

- Product browsing with detailed information (name, description, price, stock availability...)
- Product categorization system
- Multi-category product support (products can belong to multiple categories)
- Real-time stock level tracking

Shopping Cart Functionality

- Add products to shopping cart with specified quantities
- Update cart quantities for existing items
- View cart contents with product details and total pricing
- Remove items from cart before checkout

Order Management

- Process orders from shopping cart items
- Capture order details (customer, products, quantities, date)
- Support multiple delivery addresses per customer
- Order history tracking and viewing

Payment Processing

- Multiple payment method support (Visa, Mastercard, Bank Transfer, PayPal)
- Secure storage of payment method details
- Customer can have multiple payment methods on file

- Payment method selection during checkout

Address Management

- Multiple delivery addresses per customer
- Address validation for orders
- Support for different regions (Spanish provinces and cities)

Reporting & Analytics

- Monthly income tracking and reporting
- Customer spending analysis by year
- Membership level classification based on spending (Silver, Gold, Platinum, Diamond)
- Order view with comprehensive details