# ShopEZ Documentation

Team ID : LTVIP2025TMID56688

Team Size : 4

Team Leader : Gunturu Thejaswini

Team member : Bollini Yuvasree

Team member : D R Keerthi

Team member : Digavinti Sai Chethana

Table of Contents

1. Introduction
2. System Architecture
3. Features
4. User Guide
5. Technical Implementation
6. Customization
7. Deployment
8. Troubleshooting
9. Future Roadmap
10. Support

Introduction

ShopEZ is a comprehensive e-commerce platform designed to provide a seamless shopping experience for customers while offering powerful management tools for sellers. This documentation covers the technical specifications, usage guidelines, and implementation details of the ShopEZ single-page application.

System Architecture

Frontend Components

* **User Interface**: HTML5, CSS3, JavaScript (ES6)
* **State Management**: LocalStorage for cart persistence
* **Navigation**: Single-page application routing
* **Responsive Design**: Mobile-first approach with media queries

Data Flow

text

Copy

Download

User Interaction → Event Handlers → State Update → UI Render → LocalStorage

Features

Customer Features

1. **Product Catalog**
   * Category filtering
   * Sorting options
   * Product cards with images and details
2. **Shopping Experience**
   * Add/remove items from cart
   * Quantity adjustment
   * Real-time cart updates
3. **Checkout Process**
   * Multi-step form
   * Order summary
   * Form validation

Seller Features

1. **Dashboard**
   * Sales metrics
   * Order status tracking
   * Performance analytics

User Guide

For Customers

1. **Browsing Products**
   * Navigate to "Shop" section
   * Use filters to refine results
   * Click on products for details
2. **Managing Cart**
   * Click "Add to Cart" on desired products
   * Access cart via cart icon
   * Adjust quantities or remove items
3. **Completing Purchase**
   * Proceed to checkout
   * Fill in shipping details
   * Enter payment information
   * Submit order

For Sellers

1. **Accessing Dashboard**
   * Navigate to "Seller Dashboard"
   * View key metrics
   * Manage orders
2. **Analyzing Performance**
   * Review sales charts
   * Check order statuses
   * Monitor inventory

Technical Implementation

Core Functions

javascript

Copy

Download

*// Product data structure*

{

id: Number,

name: String,

price: Number,

image: String,

category: String,

rating: Number,

description: String

}

*// Cart operations*

function addToCart(product) { ... }

function updateCartCount() { ... }

function renderCart() { ... }

Event Handling

* Click events for navigation
* Form submission handlers
* Cart quantity adjustments

Customization

Modifying Products

Edit the products array in the JavaScript section:

javascript

Copy

Download

const products = [

{

id: 7,

name: "New Product",

price: 99.99,

image: "path/to/image.jpg",

category: "new-category",

rating: 4.5,

description: "Product description"

}

*// Add more products as needed*

];

Styling Changes

Modify CSS variables in the :root selector:

css

Copy

Download

:root {

--primary-color: #new-color;

--secondary-color: #new-color;

*/\* Additional style overrides \*/*

}

Deployment

Browser Requirements

* Chrome 80+
* Firefox 75+
* Edge 80+
* Safari 13+

Hosting Options

1. **Local Testing**
   * Open shopez.html directly in browser
2. **Web Server**
   * Upload to any static hosting service
   * No server-side dependencies

Troubleshooting

Common Issues

1. **Cart Not Updating**
   * Clear browser cache
   * Check localStorage availability
2. **Layout Problems**
   * Verify responsive breakpoints
   * Check CSS specificity
3. **Form Submission**
   * Ensure all required fields are filled
   * Check console for errors

Future Roadmap

Planned Features

1. **User Accounts**
   * Registration/login system
   * Order history
2. **Enhanced Search**
   * Full-text product search
   * Advanced filters
3. **Payment Integration**
   * Stripe/PayPal support
   * Secure checkout
4. **Admin Portal**
   * Product management
   * Order fulfillment

Support

For technical assistance or feature requests:

* Email: [support@shopez.com](https://mailto:support@shopez.com/)
* GitHub: github.com/shopez-support
* Documentation: docs.shopez.com