

Project Design Phase

Problem - Solution

Date	19-07-2025
Team ID	PNT2025TMID10144
Project Name	ShopEZ E-commerce Website
Maximum Marks	2 Marks

Problem – Solution Fit Overview:

The Problem–Solution Fit ensures that the shopEZ eCommerce platform addresses key gaps in the digital retail space and aligns with the actual needs of both customers and small business vendors. This validation is critical before scaling the platform with advanced features.

Purpose:

- Bridge the gap between users seeking a reliable, smooth online shopping experience and sellers aiming to expand their reach with digital product listings.
- Provide a complete eCommerce cycle—from product discovery to cart and checkout—without needing multiple platforms or tools.
- Enable secure, real-time order processing and user authentication to build trust.
- Support growth and opportunity for small sellers via a centralized admin system with full control over inventory and orders.

Problem Statement:

- Lack of trust and secure login during online transactions
- Scattered tools for product display, cart, and order management
- Delays or errors in order tracking and status updates
- Difficulty managing products, prices, and categories

Solution:

End-to-end shopping experience: Browse products, filter by category, add to cart, and place orders

- Secure login/registration for customers and admin users
- Admin panel to manage inventory, orders, categories, and customers
- Real-time order placement and tracking, with status updates visible to users
- Mobile-responsive interface for convenient shopping anytime
- Smart product filtering and search system