# Project Design Phase

## Problem – Solution Fit

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|---|---|
| **Date** | 22 June 2025 |
| **Team ID** | LTVIP2025TMID53966 |
| **Project Name** | BookNest: Where Stories Nestle |
| **Mentor Name** | Dr Shaik Salma Begam |
| **Maximum Marks** | 2 Marks |

### Problem–Solution Fit for BOOKNEST

### Problem

Avid readers and book enthusiasts often struggle with online book platforms that offer poor search capabilities, limited genre-based exploration, unresponsive mobile experiences, and insecure or slow checkout processes. Additionally, many platforms lack personalization, making it difficult for users to discover new or relevant books. Admins and sellers also face challenges in managing book listings, tracking orders, and engaging users effectively.

### Solution

BookNest provides a feature-rich, MERN stack-powered online bookstore tailored to the needs of modern readers. It offers powerful search and filtering, responsive design, secure authentication and checkout, and a robust admin dashboard. BookNest simplifies book discovery and purchasing while giving administrators full control over inventory, users, and order processing—creating a seamless experience for both customers and backend managers.

# Problem-Solution fit canvas 2.0

Purpose / Vision

## 1. CUSTOMER SEGMENT(S) — CS

Many book lovers struggle to find specific titles, explore new genres, and make secure purchases due to poor search functions, slow checkout, and unresponsive design.

## 6. CUSTOMER CONSTRAINTS — CC

- Difficulty finding books due to poor search and genre filters.
- Slow checkout processes and lack of payment security create trust issues.

## 5. AVAILABLE SOLUTIONS — AS

A modern, full-featured MERN stack bookstore app with smooth navigation, advanced filtering, and secure transactions. Designed for both casual readers and busy users.

## 2. JOBS-TO-BE-DONE / PROBLEMS — J&P

- Discover and purchase books quickly and easily.

- Trust the platform with personal and payment details.
- Efficiently manage orders and track status.

## 9. PROBLEM ROOT CAUSE — RC

• Poor search and filtering on traditional platforms

• Cluttered and unintuitive user interface

• Slow and unreliable checkout processes

## 7. BEHAVIOUR — BE

- Users browse genres or search for books by title/author.
- They compare prices and read reviews before purchasing.
- Abandon carts if checkout is slow or untrustworthy.

## 3. TRIGGERS — TR

• New book release
•
Looking for a gift

## 4. EMOTIONS: BEFORE / AFTER — EM

• Frustrated
• Overwhelmed

Weekend or holiday reading

Overwhelmed

## 10. YOUR SOLUTION — SL

Responsive design, smart search, secure authentication, streamlined checkout, and a powerful admin dashboard for managing inventory and users.

## 8. CHANNELS of BEHAVIOUR — CH

•
Website (Desktop & Mobile)
•
Mobile App (if applicable)

### 8.2 OFFLINE (if applicable)

Hears about BookNest through friends, family, or colleagues
Sees printed ads, flyers, or posters (e.g., at bookstores, libraries, events)

Email newsletter

Sees printed ads, flyers, or posters (e.g., at bookstores, libraries, events)

Auto Size

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