

## Project Design Phase

### Problem – Solution Fit

Date	21-06-2025
Team ID	LTVIP2025TMID53185
Project Name	BookNest: Where Stories Nestle
Maximum Marks	2 Marks

#### Problem – Solution Fit Overview:

The Problem–Solution Fit ensures that BookNest: Where Stories Nestle effectively tackles the challenges in book access and reservation faced by both readers and book providers. This validation is essential before expanding the platform.

#### Purpose:

The purpose of this section is to define the core problem faced by users and demonstrate how BookNest addresses this issue with a clear, practical solution. This stage ensures that the platform is being built with validated user needs in mind, aligning technical efforts with real-world demands.

#### Problem Statement:

Users and book providers often experience several challenges related to accessing and reserving books that support reading for leisure, learning, or personal growth:

- **Limited Access:** Readers may struggle to find or access desired books due to limited availability or inconvenient borrowing systems.
- **Lack of Personalization:** Existing platforms often fail to provide curated or personalized book recommendations based on user preferences such as age, genre, or reading history.
- **Complex Booking Process:** Users find it time-consuming and inefficient to search for, reserve, or borrow specific books.
- **Poor Inventory Management:** Outdated or manual book management systems lead to confusion around book availability, reservations, and returns.

#### Solution:

BookNest: Where Stories Nestle offers a seamless and accessible book booking platform designed specifically for healthcare settings (or adaptable to libraries and schools). It simplifies the process of discovering, reserving, and managing books for both patients and healthcare providers.

**Key features include:**

- Digital Catalog: A searchable and categorized collection of books including fiction, non-fiction, audiobooks, and patient-focused literature.
- Smart Recommendations: AI-powered book suggestions based on patient profiles, interests, and therapeutic needs.
- Efficient Booking System: An intuitive reservation process that allows users to schedule delivery to rooms, wards, or waiting areas.
- Inventory and Lending Management: Real-time tracking of book availability, loan periods, and returns for staff and volunteers.
- Accessibility: Multilingual support, audiobooks, and adaptive interfaces for patients with disabilities.