

Ideation Phase

Brainstorm & Idea Prioritization Template

Date	20 Feb 2026
Team ID	LTVIP2026TMIDS79402
Project Name	Booknest: where stories nestle
Maximum Marks	

Objective:

The objective of this project is to develop a full-stack online book nest web application using the **MERN stack (MongoDB, Express.js, React.js, Node.js)** that allows users to browse, search, and purchase books, while providing admin functionality to manage books, users, and orders efficiently.

Step-1: Team Gathering, Collaboration and Select the Problem Statement

The team conducted an initial discussion to identify real-world problems that can be solved using full-stack web development technologies.

We explored various domains such as:

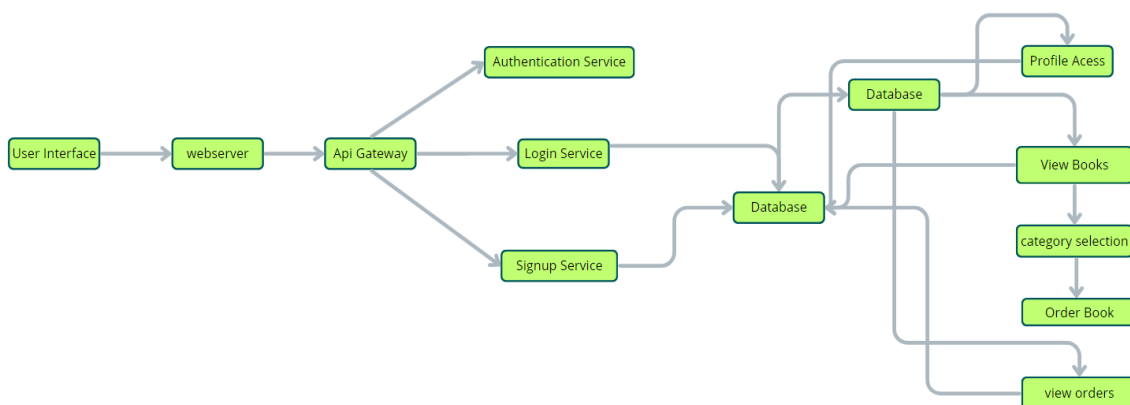
E-commerce platform

Digital libraries

Online learning platforms

Food delivery systems

After discussion and feasibility analysis, we selected the problem statement: "Develop a full-stack online book store platform where users can browse and purchase books, and administrators can manage inventory and orders."



Step-2: Brainstorm, Idea Listing and Grouping

We brainstormed different features and grouped them into functional categories:

☐ User Features

- User Registration & Login (JWT Authentication)
- Browse books by category
- Search books by title/author
- Add to cart functionality
- Place orders
- View order history

☐ Admin Features

- Add new books
- Update book details
- Delete books
- Manage users
- View all orders

☐ Technical Features

REST API using Node.js + Express.js

Database using MongoDB

Frontend built with React.js

Protected routes using JWT

Role-based access (Admin/User)

Environment configuration using .env

Step-3: Idea Prioritization

We used the Impact vs. Feasibility Matrix to score each idea:

Idea	Impact	Feasibility	Priority
User Authentication (JWT)	High	High	Selected
CRUD for Books	High	High	Selected
Cart & Order System	High	Medium	Selected
Online Payment Gateway Integration	High	Low	Postponed

Real-time Chat Support	Medium	Low	Not Selected
Recommendation System	High	Medium	Future Scope

Final Prioritized Idea:

BookNest – A MERN Stack Online Book Store Web Application