

Ideation Phase


Brainstorm & Idea Prioritization Template

Date	8 february 2026
Team ID	LTVIP2026TMIDS34775
Project Name	BookNest : where stories nestle
Maximum Marks	4 Marks

Brainstorm & Idea Prioritization Template:

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

Template



Team members involved

Frontend:
Designed and implemented user interface using React (Web). Developed pages: Home, Login, Register, Books, Cart, Orders. Implemented animations and responsive design. Integrated frontend with backend APIs.

Backend:
Proposed secure authentication system. Suggested scalable API structure. Recommended user management architecture.

UI/UX Designer:
Suggested animated UI concept. Proposed background visuals for engagement. Designed user-friendly checkout flow.

Domain Expert (E-commerce & Book Retail Knowledge):
Highlighted importance of book categorization. Suggested order tracking feature. Recommended future scope like payment gateway and AI recommendations.

Collaboration Tools:

- Slack - Used for real-time team communication, sharing updates, and coordinating tasks.
- Microsoft Teams - Used for structured team discussions, the primary meeting tool for project progress during development.
- Figma - Used for UI/UX design, creating wireframes, and collaborating on visual design elements.
- Zoom - Used for remote team meetings, discussing progress, and final presentation preparation.

Problem Statement

Creating digital libraries has many associated difficulties in ensuring, purchasing, and managing books efficiently. Users often struggle to find relevant books, and the process of purchasing and managing books is often cumbersome. Existing digital libraries often lack user-friendly interfaces, making it difficult for users to find books, manage their collections, and track their reading progress. Additionally, many digital libraries lack robust security measures, leaving users' personal data and book collections vulnerable to theft and unauthorized access. The challenge is to create a comprehensive digital library system that simplifies the process of finding, purchasing, and managing books, while ensuring robust security and a user-friendly interface.

Step-2: Brainstorm, Idea Listing and Grouping

Person 1

Deployment

Transfer learning fine-tuning

Augmentation pipeline

Person 2

Data Collection & Training

Cloud Inference API

Multilingual UI

Person 3

User Interaction

Real-time results

Feedback loop

Person 4

Integration & Accessibility

Inventory system integration

Scalable architecture

3 Group ideas

Image Collection	Use mobile app camera; allow bulk upload; integrate cloud storage
Model Training	Fine-tune MobileNetV2; experiment with EfficientNet; data augmentation
User Feedback	Let users confirm/correct predictions
Prediction UX	Show confidence score; color-coded results
Notifications	SMS/email alerts on spoilage detected
Deployment	Use AWS Lambda for inference; Docker containers; Kubernetes
Integration	Link with inventory management systems
Accessibility	Multilingual support; offline mode

Step-3: Idea Prioritization

4 Idea Prioritization

