Ideation Phase
Define the Problem Statements

Date	9 February 2026
Team ID	LTVIP2026TMIDS34775
Project Name	BookNest : where stories nestle
Maximum Marks	2 Marks

BookNest – Problem Statement Template

PS-1 (Farmer/Seller View)

Element	Content
I am	A reader looking to buy books online easily.
I'm trying to	Discover, search, and purchase books conveniently from one platform.
But	Many online stores are confusing, poorly organized, and slow to navigate.
Because	They lack proper filtering, smooth UI design, and secure user experience.
Which makes me feel	Frustrated, overwhelmed, and unsure about completing my purchase.

PS-2 (Tech Developer/Team View)

Element	Content
I am	A bookstore owner wanting to sell books digitally.

Element	Content
I'm trying to	Provide customers with an easy and engaging online shopping experience.
But	Managing inventory, user orders, and secure transactions online is complex.
Because	Traditional systems lack proper integration and cloud-based scalability.
Which makes me feel	Concerned about losing customers and staying competitive in the digital market.

Overall Problem Description

Project Title: *BookNest – Where Stories Nestle*

Traditional bookstores are limited by geography and inventory, while many online platforms lack intuitive navigation, secure authentication, and engaging design. Users often face difficulty in searching, filtering, purchasing, and tracking their book orders efficiently.

There is a growing need for a secure, scalable, and user-friendly online bookstore that provides seamless book discovery, smooth cart and order management, and cloud-based accessibility.

Problem Statement

There is a need to develop a modern, full-stack online bookstore that enables users to securely browse, search, purchase, and manage books with an engaging and responsive user interface. The system must integrate secure authentication, structured database management, and cloud deployment to provide a seamless and reliable digital book purchasing experience.

Proposed Solution

Our project, **BookNest**, leverages the MERN stack (MongoDB, Express.js, React.js, Node.js) to build a full-stack e-commerce web application. The platform includes:

- Secure JWT-based user authentication
- 100+ categorized books with images
- Search and filtering functionality
- Cart and order management system

- Animated and responsive UI

- Cloud database using MongoDB Atlas

- Backend deployment on Render

- Frontend deployment on Vercel

Target Outcomes

✔ Provide smooth and secure user authentication

✔ Enable easy browsing and searching of 100+ books

✔ Ensure seamless cart and order placement

✔ Achieve responsive and animated UI experience

✔ Successfully deploy full-stack application in cloud environment