

Frontend Technical Assessment

E-Library Application

Company Name: Inspler Ecommerce Pvt Ltd.

Designation:	Frontend Developer
Assessment Type:	Take-Home Technical Assignment
Submission Deadline:	Tomorrow, 3:00 PM

1. Objective

The purpose of this assessment is to evaluate your frontend development skills using React , including API integration, UI development, responsiveness, and overall code quality.

You are required to build an **E-Library Application** using the Google Books API provided below.

2. API Details

[https://www.googleapis.com/books/v1/volumes?q=subject:\\${category}&key=AIzaSyAZeCJXokas2EqiZyXEQIU_zSgIKl4qkl0&maxResults=40&startIndex=0](https://www.googleapis.com/books/v1/volumes?q=subject:${category}&key=AIzaSyAZeCJXokas2EqiZyXEQIU_zSgIKl4qkl0&maxResults=40&startIndex=0)

Categories

- Fiction
- Drama
- Pets
- Psychology
- Humor
- Empty string ("") → Fetch all books

🔗 **Note:** You may test the API using Postman. Handle missing values such as author name, image, or description.

3. Functional Requirements

A. Book Listing

- Display books in list or grid format

- Each book should show:
 - Book cover image
 - Title
 - Author(s)
 - Category (if available)

B. Search

- Provide a search input
- Search books by:
 - Book title
 - Author name

C. Category Filter

- Filter books by:
 - Fiction
 - Drama
 - Pets
 - Psychology
 - Humor
 - All Books
- Fetch books dynamically based on category selection

D. UI & UX

- Clean and user-friendly interface
- Loading indicator during API calls
- Error handling and empty state messages

4. Technical Requirements

- Use React js
- Functional components and React Hooks
- Modular and reusable components
- Clean and maintainable code

Bonus Points

- ☒ Using Tailwind CSS
- ☒ Fully responsive design
- ☒ Performance-optimized search (debounce, pagination, etc.)

5. Hosting & Submission

- The application must be hosted on any platform
- Share:
 - Hosted application link
- Email submission to: **shameem@inspler.com**

6. Evaluation Criteria

- API integration
- Search and filter functionality
- UI/UX quality
- Responsiveness
- Code quality and structure
- Hosting and deployment