

# Frontend Technical Assessment

## E-Library Application

**Company Name: Inspler Ecommerce Pvt Ltd.**

<b>Designation:</b>	Frontend Developer
<b>Assessment Type:</b>	Take-Home Technical Assignment
<b>Submission Deadline:</b>	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\\_zSgIKl4qk10&maxResults=40&startIndex=0](https://www.googleapis.com/books/v1/volumes?q=subject:${category}&key=AIzaSyAzeCJXokas2EqiZyXEQIU_zSgIKl4qk10&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

— Inspler Ecommerce Pvt Ltd. —