

## Question:

Create a simple application that allows users to manage a list of books. The application should support the following CRUD operations:

1. **Create:** Add a new book with attributes like title, author, and year of publication.
2. **Read:** Display a list of all books.
3. **Update:** Modify the details of an existing book.
4. **Delete:** Remove a book from the list.

## Requirements:

- **Backend:** Use Node.js with Express.js to create a RESTful API.
  - Endpoints:
    - `POST /api/books` - Add a new book.
    - `GET /api/books` - Retrieve all books.
    - `GET /api/books/:id` - Retrieve a single book by ID.
    - `PUT /api/books/:id` - Update a book by ID.
    - `DELETE /api/books/:id` - Delete a book by ID.
- **Frontend:** Use ReactJS to create a simple UI that allows users to perform these CRUD operations.
- **Testing:** Use Postman to test all the API endpoints. Ensure you test:
  - Sending a POST request to create a book.
  - Sending a GET request to retrieve the list of books.
  - Sending a PUT request to update a book's details.
  - Sending a DELETE request to remove a book.

**Bonus:** Implement basic validation for the input fields (e.g., ensure the title is not empty).

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## Additional Notes:

- Make sure to handle error cases gracefully in both the backend and frontend.
- Document your API endpoints in Postman for easier testing and reference.