

3. Assume a library management system where a book can be dynamically added, updated, and deleted from the library.

Name:

Author:

Genre:

(a) Add book

#SL	Name	Author	Genre	Action
1	The Art of War	Sun Tzu	Non-fiction	Update Delete
2	The Alchemist	Paulo Coelho	Novel	Update Delete
3	Beloved	Toni Morrison	Novel	Update Delete
4	War and Peace	Leo Tolstoy	Fiction	Update Delete

(b) Display book information with the update and delete action

Figure 1: Different operations related to book for Question 3.

- a) Write the corresponding HTML code (form part) based on the Figure 1.(a) and validate the following requirements in react useState hook. 10
(CO2)
(PO2)
- i. Name: required, a combination of A-Z and a-z.
 - ii. Author: required, at least two words for first and last names.
 - iii. Genre: required, can be Fiction, Novel, Non-fiction.
- b) Analyze the Figure 1.(b) and write the corresponding server and client side code in Node.js for the CRUD (Create, Retrieve, Update, Delete) operations. Assume, an id is attached for every book with the update and delete links. 15
(CO3)
(PO3)