

Database Design

In existing database create table with name products and add 5 records

Table 1products

Column	Datatype	Remark
productid	int(4)	Primary key and auto increment
producttitle	varchar(15)	
price	decimal(8,2)	
stock	int(5)	

Q.1] Design Middleware/Backend using Node-JS and Express**(20 Marks)**

1. Start Express server at port 5000 02 marks
2. Use config and Router in Node application 02 marks
3. Implement get('/product') in Express service which will return list of Products 04 marks
4. Implement post('/product') in Express service to add new product details 04 marks
5. Implement put('/product') in Express service to edit existing product details 04 marks
6. Implement delete('/product:no') in Express service to delete product details 04 marks

Q.2] Design React Application**(20 Marks)**

1. Create component <ProductList> (function based or class based) and perform following tasks:
 - a. <ProductList> will consume only get () of web service exposed by web service.
 - b. Set background with aqua color to add rows using CSS binding or use Bootstrap. Display Not Available if stock 0
 - c. Display [Delete] button & it will call delete () of web service. Without user's confirmation product should not be deleted.
 - d. Design entry screen to add new product and edit existing product
 - e. Using Java Script Perform validation all fields should be blank

[Note: Each tasks will carry 4 marks]