

# Full Project Documentation for Online Shopping Site

## (UI and Backend)

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### Database Schema (Tables): -

Product Table
Product Id
ProductName
Price
Stock Quantity
Category Id

Order
Order Id
Order Date
Total Amount

Order Item
Order Item Id
Order Id
Product Id
Quantity
Unit Price

Cart
Cart Id
Product Id
Quantity

Category
Category Id
Category Name

### Table Relations: -

Product to Category	Many to One
Order to Order Item	One to Many
Product to Order Item	One to Many
Product to Cart	One to Many

### Objectives: -

- Implementing GET, POST, PUT and DELET for the all entities.
- Creating Error Free Restful API for better Data Processing.
- Accept and Return data in the standard Format.
- Better Relationship between entities for better data retrieval.

### **Users: -**

- **Customer**  
Customers are responsible for purchasing.

### **Events: -**

- **Product:** - Product will updated, created and deleted.
- **Category:** - Category will updated, created and deleted.
- **Orders:** - Orders will updated, created and deleted.
- **Cart:** -Cart will updated, created and deleted.

### **List of Forms: -**

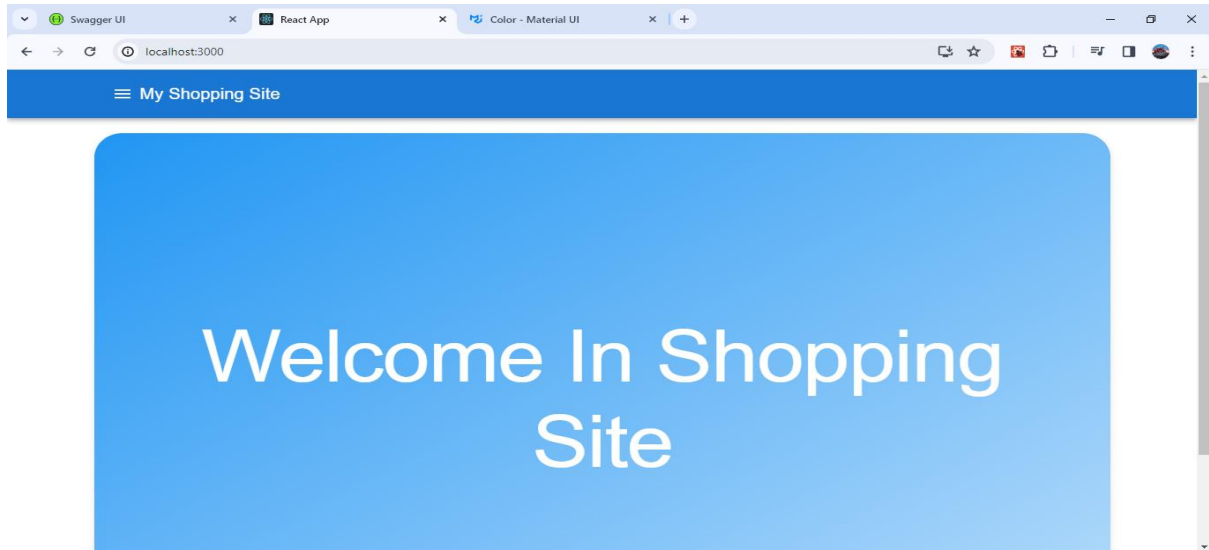
- **Product:** -
  - Product List
  - Product Add
  - Product Update
- **Category:** -
  - Category List
  - Category Add
- **Order:** -
  - Order List
- **Cart:** -
  - Product List
  - Product Add
  - Product Update

### **Expected Deliverables: -**

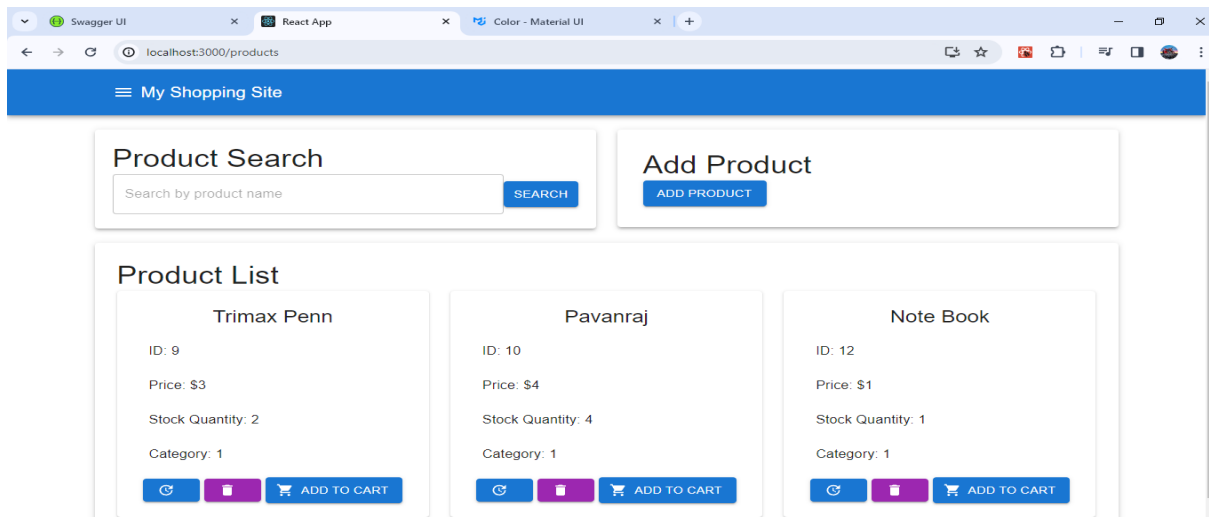
- Create an API that will take Product Name as an input and return All the details with Category (case insensitive search)
- Create an API that will retrieving Product by Order Id.
- Create an API that Will take Cart Id and Return that Category Name.
- When Product Added by Product page it Will Transferred to the Cart Page.

# Layout of Forms: -

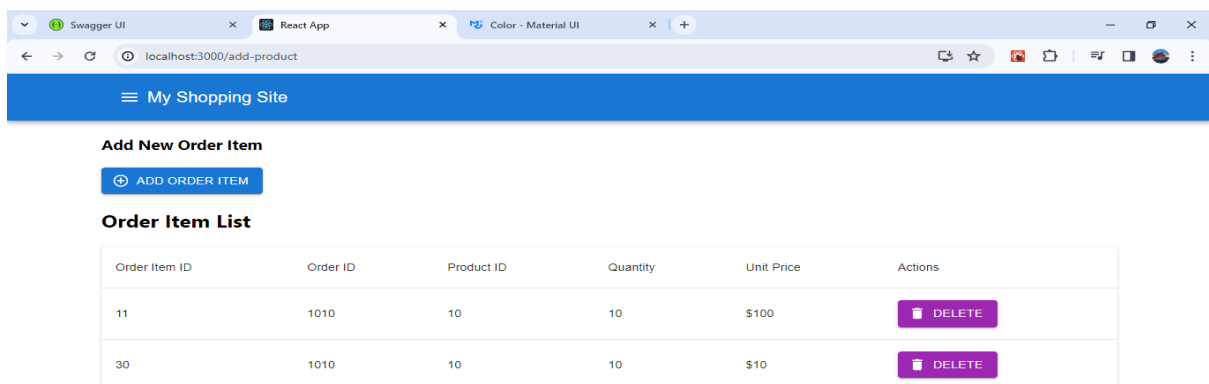
## 1)Home Page



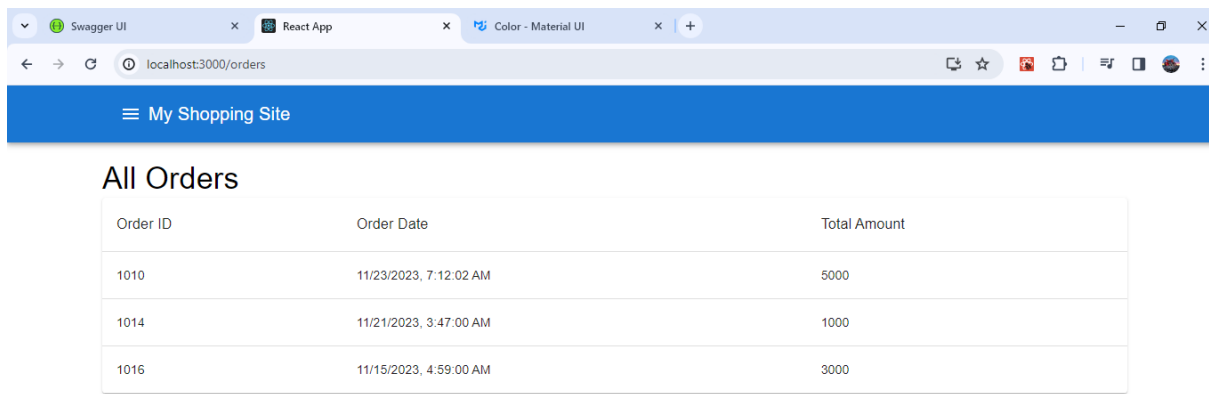
## 2)Product Page



## 3)Order Item List

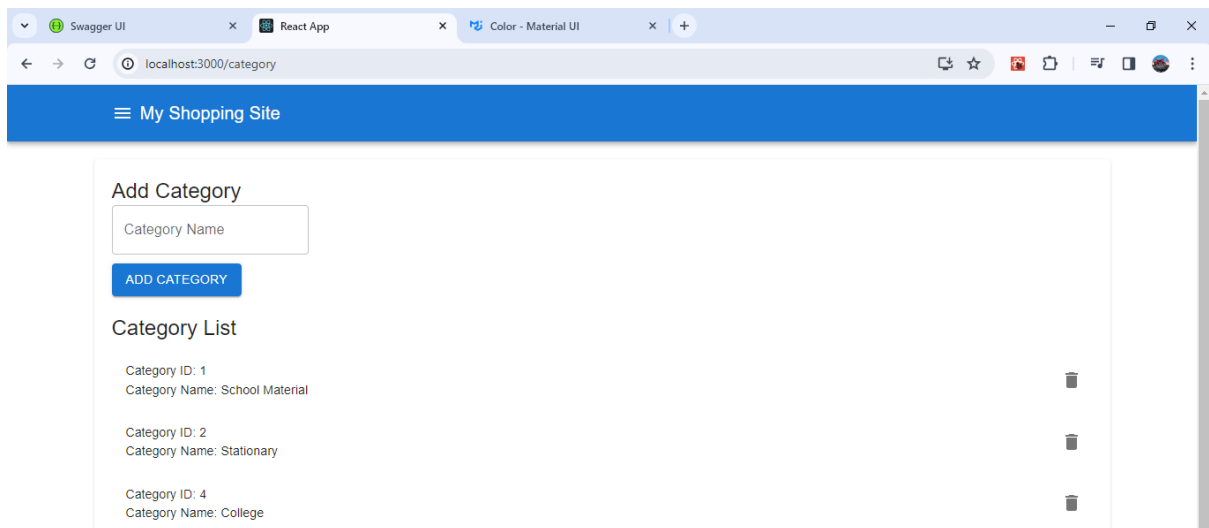


## 4)Orders



Order ID	Order Date	Total Amount
1010	11/23/2023, 7:12:02 AM	5000
1014	11/21/2023, 3:47:00 AM	1000
1016	11/15/2023, 4:59:00 AM	3000

## 5)My Category



**Add Category**

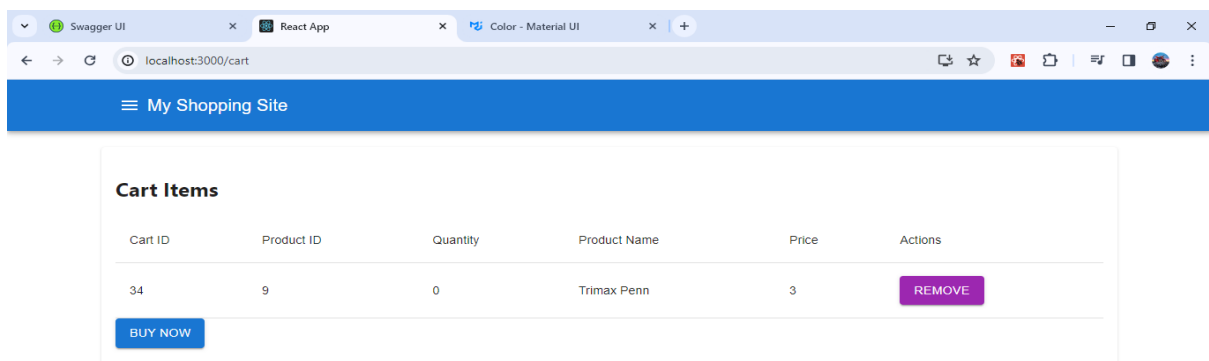
Category Name

ADD CATEGORY

**Category List**

- Category ID: 1  
Category Name: School Material
- Category ID: 2  
Category Name: Stationary
- Category ID: 4  
Category Name: College


## 6)My Cart



Cart ID	Product ID	Quantity	Product Name	Price	Actions
34	9	0	Trimax Penn	3	REMOVE

BUY NOW


## 7)Order ID Search

 My Shopping Site

### Order Search

SEARCH ORDER

## 8)Cart ID Search

 My Shopping Site

### Search Category

SEARCH CATEGORY

## **Result: -**

- **Successfully Implemented All the Deliverables as Per the Expectations and also added Extra Functionality.**
- **All Things are Working Properly.**

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