Product Managment Fullstack Web App

Backend:

Using Java, SpringBoot, Mysql, Docker to make containers.

MicroServices:

UserService:

Model:

User ID: Unique.

Username: Unique.

Email: Email address.

Address: Useraddress.

EndPoints:

`"http://localhost:8081/users/{id}"`

GET /users/{username}: Retrieve user information by username.

`"http://localhost:8081/users/register"` body with user information

POST /users: Register a new user.

`"http://localhost:8081/users/login"` body with user information

POST /users: Login user.

`"http://localhost:8081/users/{id}"`

PUT /users/{id}: Update user profile.

Product Service:

Model:

Product ID: Uniquefor the product.

Name: Name of the product.

Description: Description of the product.

Price: Price of the product.

Availability: Product availability.

EndPoints:

`"http://localhost:8082/products"`

`GET /products`: Retrieve all products.

`"http://localhost:8082/products/{id}"`

`GET /products/{id}`: Retrieve a specific product by ID.

`"http://localhost:8082/products"` with body of product details

`POST /products`: Add a new product.

`"http://localhost:8082/products/{id}"`

`PUT /products/{id}`: Update an existing product by ID.

Order Service:

Model:

Order ID: A unique identifier for the order.

User ID: The identifier for the customer placing the order.

Product IDs: A list of product IDs

Status: Status of the order

EndPoints:

`"http://localhost:8082/order"`

GET `/orders`: Retrieve all Orders.

`"http://localhost:8082/order/{id}"`

GET `/orders/{id}`: Retrieve a specific Order by ID.
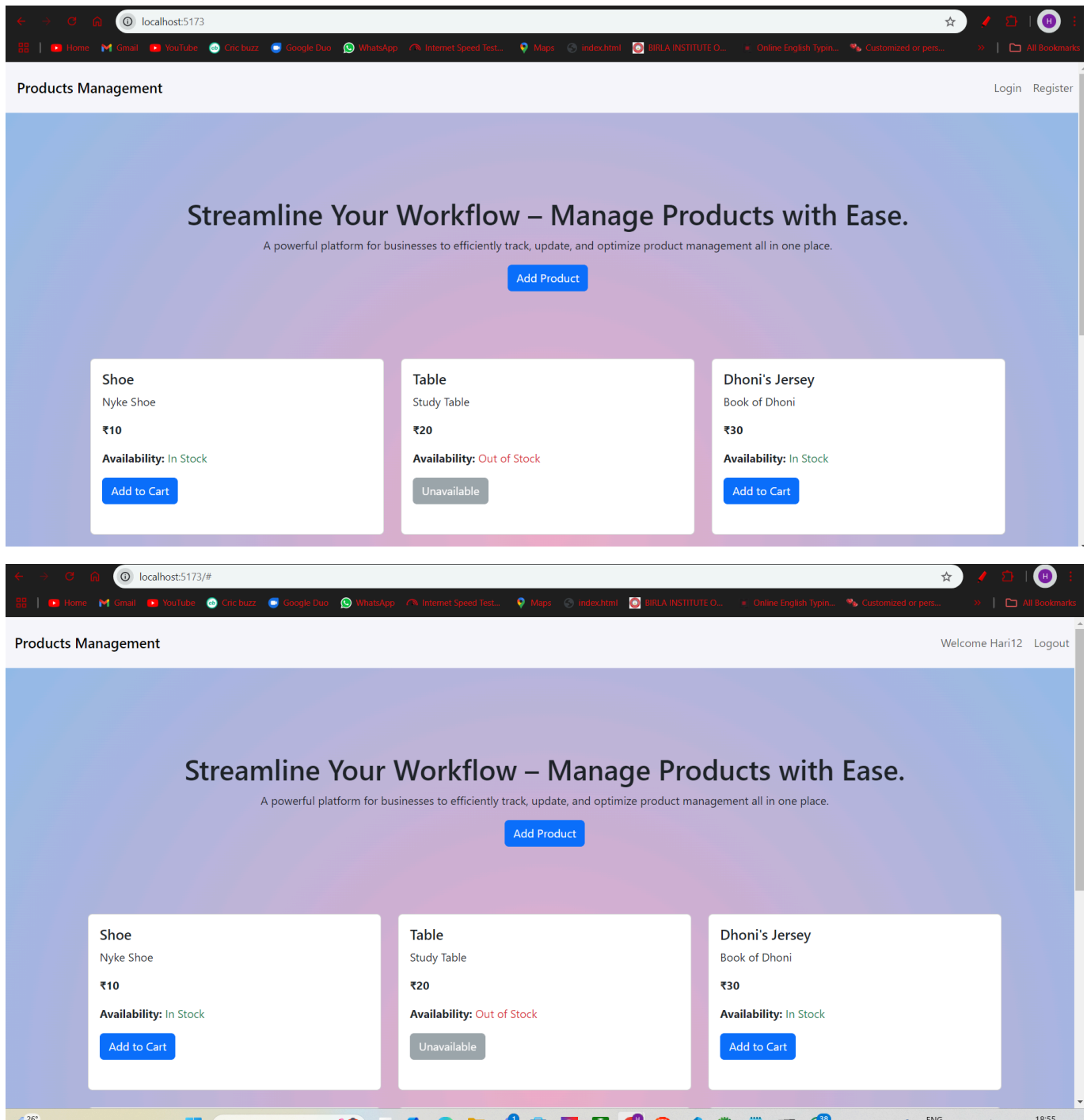
`"http://localhost:8082/order"` with body of Order details

POST `/orders`: Post a new Order.

Front-End:

Using ReactJs, React Hooks(UseEffect, UseState)

Home page:

During first load "/"

Register Page: /register

Products Management   Login Register

Register

Username

Email

Password

Confirm Password

Address

Have registered **Login**

Login page: /login

localhost:5173/login

Home Gmail YouTube Cric buzz Google Duo WhatsApp Internet Speed Test... Maps index.html BIRLA INSTITUTE O... Online English Typin... Customized or pers... All Bookmarks

Products Management   Login Register

Login

Username

Password

Haven't registered yet **Register**

Submit

Streamline Your Workflow – Manage Products with Ease.

A powerful platform for businesses to efficiently track, update, and optimize product management all in one place.

Add Product Form:

Before adding the product

After adding Product:

After Adding item to cart:
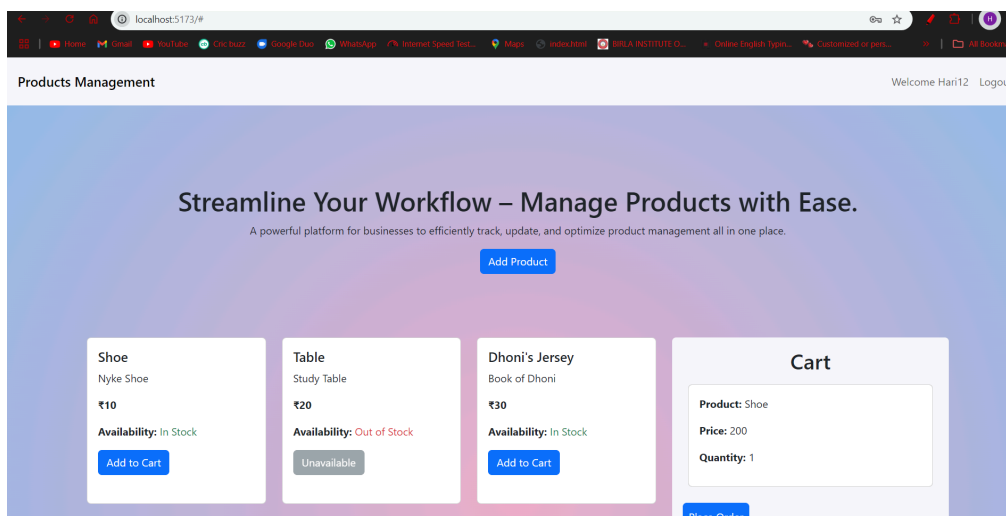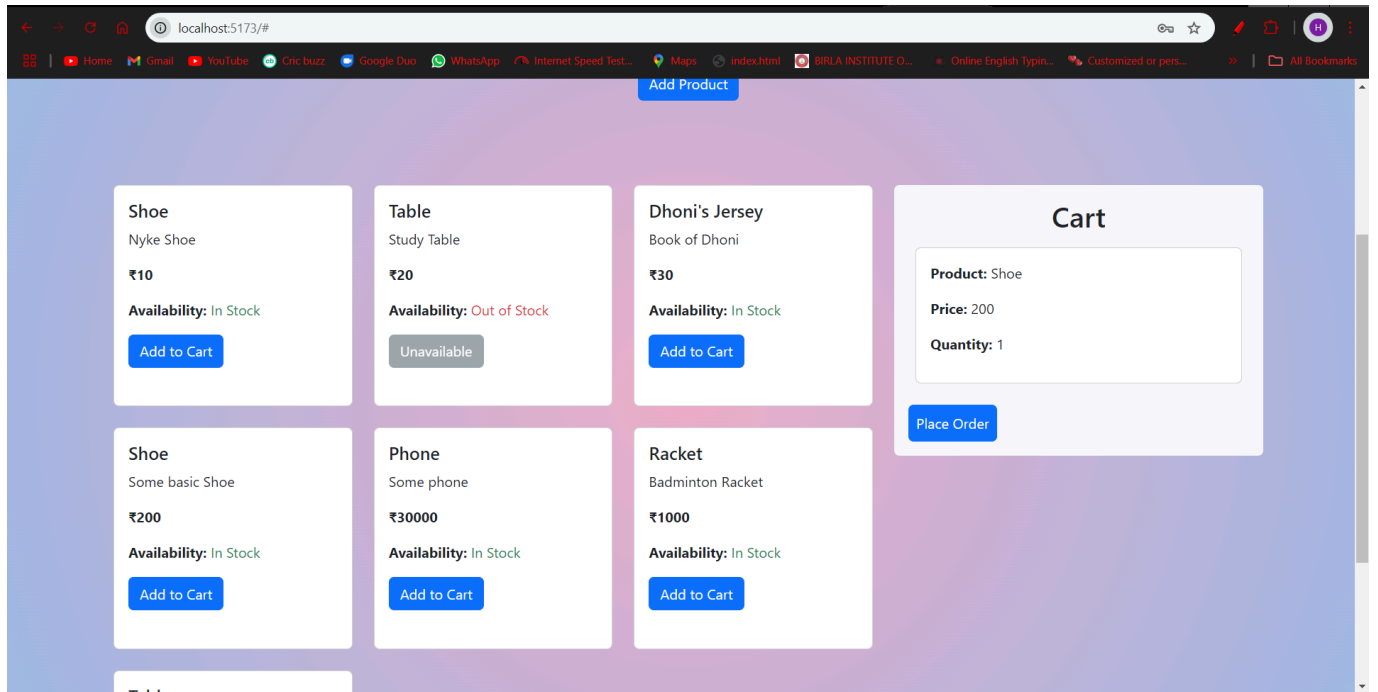
Order Places:

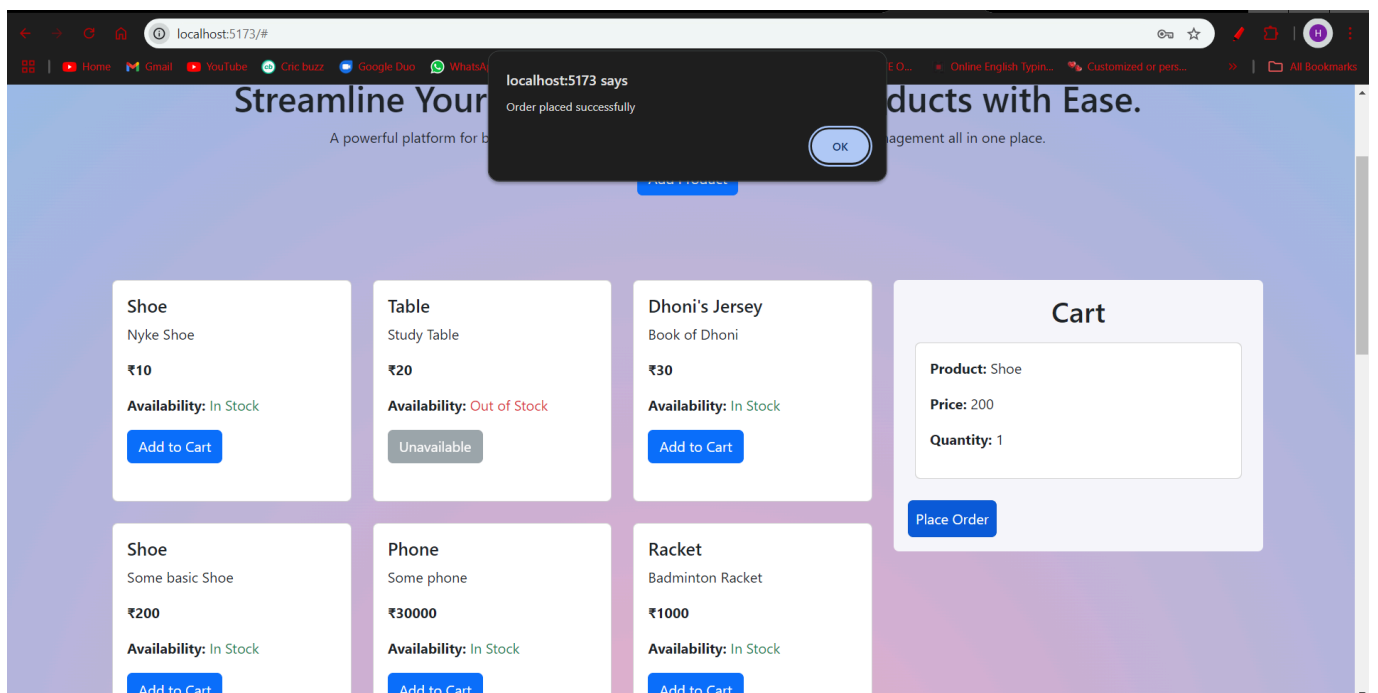# After ok on the alert message

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Add Product

Shoe
Nyke Shoe

₹10

Availability: In Stock

Add to Cart

Table
Study Table

₹20

Availability: Out of Stock

Unavailable

Dhoni's Jersey
Book of Dhoni

₹30

Availability: In Stock

Add to Cart

Shoe
Some basic Shoe

Phone
Some phone

Racket
Badminton Racket