**Ecommerce Project React + Spring Boot**

**Description:**

Users: Seller, Customer, DeliveryPerson, Admin

Carousal

Top Trending Products Images

Products

CRUD, Category

Cart

Manage Cart

Order

Manage Order

Payment

Manage Payment

Review

Add review to Product

Rating

Add rating to Product

Offers

load the offers on the product

Statistics

Products wise, Users wise, Monthly, Weekly

* User Authentication and Authorization:
  + User registration
  + User login/logout
  + Password recovery
  + User roles and permissions (admin, customer, etc.)
* Product Management:
  + Add/edit/delete products
  + Product categories and subcategories
  + Product details and specifications
  + Image and video uploads for products
* Shopping Cart:
  + Add/remove items to/from the cart
  + View and update cart contents
  + Calculate total price
  + Checkout functionality
* Order Management:
  + Order history for users
  + Order tracking and status updates
  + Invoice generation
  + Email notifications for order updates
* Payment Gateway Integration:
  + Secure payment processing
  + Multiple payment options (credit card, PayPal, etc.)
  + SSL encryption for transactions
* Search and Filtering:
  + Product search functionality
  + Filtering by category, price, brand, etc.
* User Reviews and Ratings:
  + Allow users to leave reviews and ratings for products
  + Display average ratings and reviews on product pages
* User Account Management:
  + Profile management (address, contact details)
  + Wishlist functionality
  + Loyalty programs
* Responsive Design:
  + Ensure the site is accessible and usable on various devices (desktop, mobile, tablet)
* Security:
  + HTTPS for secure data transfer
  + Protection against SQL injection and other security vulnerabilities
  + Regular security audits
* Admin Panel:
  + Dashboard for site analytics
  + Order management tools
  + Product management tools
  + User management tools
* Notification System:
  + Email notifications for order confirmation, shipping updates, etc.
  + Push notifications for mobile apps
* Social Media Integration:
  + Share products on social media
  + Social login options
* Analytics and Reporting:
  + Integration with tools like Google Analytics for tracking user behavior
  + Sales reports, user engagement reports, etc.
* Content Management System (CMS):
  + Easily update and manage content on the site
  + Blogs, promotions, banners, etc.
* Internationalization and Localization:
  + Support for multiple languages and currencies
  + Regional customization based on user location
* Feedback and Support:
  + Contact forms, live chat, or support tickets
  + Feedback forms for user suggestions
* Shipping and Logistics Integration:
  + Integration with shipping carriers for real-time shipping rates
  + Tracking information for orders in transit

**==================================================================**

Create the react project:

>> npm create react-app .

Install the Material UI

>> npm install @mui/material @emotion/react @emotion/styled

Install MUI icons as well

>> npm install @mui/icons-material @mui/material @emotion/styled @emotion/react

Install tailwindcss

>> <https://tailwindcss.com/docs/guides/create-react-app>

Install plugin in the VS code: ES7 React/Redux/GraphQL/React-Native snippets

>> npm i @headlessui/react

>> npm i @heroicons/react

Install alice carousel react

Install the axios for the API call

npm install axios --save

Important websites:

Material UI

<https://mui.com/material-ui/getting-started/installation/>

Material UI Icons

<https://mui.com/material-ui/material-icons/>

Tailwind CSS

<https://tailwindcss.com/docs/guides/create-react-app>