**E-commerce App Documentation**

**Project Summary**

The **E-commerce App** is a React Native CLI-based application designed to provide users with a seamless mobile shopping experience. The app offers a wide range of features to browse, purchase, and manage products efficiently. Key functionalities include product browsing, shopping cart management, a streamlined checkout process, order history tracking, push notifications, and a wishlist feature.

**Functional Requirements**

**1. Product Browsing**

**Description**: Users can explore products available on the platform through various categories, search for specific items, and view detailed information about each product.

* **Category Navigation**: Browse products by different categories.
* **Search Functionality**: Search for specific products using keywords.
* **Product Details**: View detailed information about products including images, descriptions, prices, and available sizes/colors.

**2. Shopping Cart**

**Description**: Users can manage their selected products before proceeding to checkout.

* **Add to Cart**: Users can add products to their shopping cart from the product detail page.
* **Update Cart**: Modify quantities of items or update the cart with new items.
* **Remove Items**: Remove products from the shopping cart.

**3. Checkout Process**

**Description**: A user-friendly and secure checkout process for completing purchases.

* **Shipping Address**: Enter and save shipping information.
* **Payment Options**: Choose from various payment methods (e.g., credit/debit card, PayPal).
* **Order Summary**: Review the order details before finalizing the purchase.

**4. Order History**

**Description**: Users can track and view their past and current orders.

* **View Past Orders**: Access a list of previous orders with details such as products purchased and order status.
* **Track Orders**: Check the status of current orders in real-time.

**5. Notifications**

**Description**: Stay updated with important information through notifications.

* **Order Updates**: Receive notifications about order status changes.
* **Promotions**: Get notified about special offers and discounts.
* **Reminders**: Reminders for abandoned carts or upcoming promotions.

**6. Wishlist**

**Description**: Users can save items they are interested in for future purchases.

* **Add to Wishlist**: Save products to a wishlist for easy access later.
* **View Wishlist**: Access and manage the list of saved items.

**Technology Stack**

* **Frontend**: React Native CLI
* **Backend**: (Specify if there's a backend service; e.g., Node.js, Express, Firebase)
* **Database**: (Specify if there's a database; e.g., MongoDB, Firebase Firestore)
* **Notifications**: Push notification services (e.g., Firebase Cloud Messaging)
* **Payment Integration**: (Specify if there's a payment gateway; e.g., Stripe, PayPal)

**Setup and Installation**

1. **Clone the Repository**:

bash

Copy code

git clone <repository-url>

cd <repository-directory>

1. **Install Dependencies**:

bash

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npm install

1. **Run the App**:
   * For iOS:

bash

Copy code

npx react-native run-ios

* + For Android:

bash

Copy code

npx react-native run-android

1. **Configuration**:
   * Set up environment variables as needed (e.g., API keys, payment gateway credentials).
   * Configure push notifications.

**Contributing**

Contributions are welcome! Please follow these guidelines for contributing to the project:

1. Fork the repository and create a new branch.
2. Make your changes and test thoroughly.
3. Submit a pull request with a description of the changes.

**License**

Specify the license under which the project is distributed (e.g., MIT License).