# 🛒 ShopApp - React Shopping Cart

**🔗 GitHub Repository:** <https://github.com/Naitik4897/ShopApp> **🔗 Live Demo:** <https://shop-app-naitik.vercel.app/>

## 🚀 Features

* Product Catalog: Browse through a collection of products with detailed information
* Shopping Cart: Add, remove, and manage items in your cart
* State Management: Efficient state management using Redux Toolkit
* Responsive Design: Mobile-first responsive design with Tailwind CSS
* Navigation: Smooth navigation between pages using React Router
* Toast Notifications: User-friendly notifications with react-hot-toast
* Modern UI: Clean and intuitive user interface with React Icons

## 🛠️ Tech Stack

* Frontend: React 18.2.0
* State Management: Redux Toolkit & React Redux
* Styling: Tailwind CSS
* Routing: React Router DOM
* Icons: React Icons
* Notifications: React Hot Toast
* Build Tool: Create React App

## 📋 Prerequisites

* Node.js (version 14 or higher)
* npm or yarn package manager

## 🚀 Getting Started

* Clone the repository:  
    
  git clone https://github.com/Naitik4897/ShopApp.git  
  cd ShopApp
* Install dependencies:  
    
  npm install  
  or  
  yarn install
* Start the development server:  
    
  npm start  
  or  
  yarn start
* Open your browser and navigate to http://localhost:3000 to view the application.

## 📁 Project Structure

* ShopApp/  
  ├── public/  
  │ ├── index.html  
  │ ├── favicon.ico  
  │ └── logo.png  
  ├── src/  
  │ ├── components/  
  │ │ ├── Navbar.jsx  
  │ │ ├── Product.jsx  
  │ │ ├── Cartitem.jsx  
  │ │ └── Spinner.jsx  
  │ ├── pages/  
  │ │ ├── Home.jsx  
  │ │ └── Cart.jsx  
  │ ├── redux/  
  │ │ ├── store.js  
  │ │ └── Slices/  
  │ │ └── cartSlice.js  
  │ ├── App.jsx  
  │ ├── index.js  
  │ ├── index.css  
  │ └── data.js  
  ├── package.json  
  ├── tailwind.config.js  
  └── README.md

## 🎯 Available Scripts

* npm start - Runs the app in development mode
* npm run build - Builds the app for production
* npm test - Launches the test runner
* npm run eject - Ejects from Create React App (one-way operation)

## 🎨 Styling

* This project uses Tailwind CSS for styling. The configuration can be found in tailwind.config.js. Custom styles are defined in src/index.css.

## 🔧 State Management

* The application uses Redux Toolkit for state management:  
    
  Store: Configured in src/redux/store.js  
  Cart Slice: Manages cart state in src/redux/Slices/cartSlice.js

## 🌟 Key Components

* Navbar:  
  Navigation component with cart icon and item count  
  Links to Home and Cart pages
* Product:  
  Displays individual product information  
  Add to cart functionality
* Cart:  
  Shows all items in the cart  
  Quantity management and removal options
* CartItem:  
  Individual cart item component  
  Handles item quantity updates and removal

## 📱 Responsive Design

* The application is fully responsive and works seamlessly across:  
    
  Desktop devices  
  Tablets  
  Mobile phones

## 🚀 Deployment

* Deploy to Vercel (Recommended):  
    
  Build the project  
  npm run build  
  Deploy to Vercel  
  Visit Vercel  
  Sign in with your GitHub account  
  Click "New Project"  
  Import your GitHub repository: https://github.com/Naitik4897/ShopApp  
  Configure build settings:  
  Framework Preset: Create React App  
  Build Command: npm run build  
  Output Directory: build  
  Click "Deploy"
* Alternative: Deploy via Vercel CLI  
  npm i -g vercel  
  vercel --prod
* Other Deployment Options:  
  Netlify: Drag and drop the build folder or connect via GitHub  
  GitHub Pages: Use gh-pages package  
  AWS S3: Upload build folder to S3 bucket with static hosting  
  Firebase Hosting: Use Firebase CLI

## 🤝 Contributing

* Fork the repository  
  Create your feature branch (git checkout -b feature/AmazingFeature)  
  Commit your changes (git commit -m 'Add some AmazingFeature')  
  Push to the branch (git push origin feature/AmazingFeature)  
  Open a Pull Request

## 📄 License

* This project is licensed under the MIT License.

## 🙏 Acknowledgments

* React team for the amazing framework
* Redux Toolkit for simplified state management
* Tailwind CSS for utility-first styling
* Fake Store API for product data

## 📞 Support

* If you have any questions or need help with the project, please open an issue in the repository.
* Happy Shopping! 🛍️