Myntra Clone Synopsis

MERN Stack Meesho Clone is a full-stack web application that replicates the functionality of the popular e-commerce platform, Meesho.

Aditya Narayan Mishra

01/04/2024

CSE 2003187

Myntra Clone Documentation

1. Introduction

The Myntra Clone is a full-stack web application that replicates the functionality of the popular e-commerce platform, Myntra[1]. It's built using modern web technologies and is intended for educational purposes, demonstrating the capabilities of these technologies in building robust, scalable web applications[2].

2. Features

The Myntra clone includes several key features:

- **User Registration and Authentication**: Users can register and log in to the application. User authentication is handled securely[1].
- **Product Listing**: Products are listed with detailed information, including price, category, and availability[1].
- **Shopping Cart**: Users can add products to a shopping cart and proceed to checkout when ready[1].
- **Payment Gateway Integration**: The application integrates with a secure payment gateway to handle transactions[1].

3. Installation

To install and set up the project locally, follow these steps:

1. Clone the repository to your local machine[3].
2. Navigate to the project directory.
3. Install the necessary dependencies.
4. Set up the database.
5. Start the server.

4. Usage

To use the application:

1. Register as a new user or log in.
2. Browse the product listings.
3. Add desired products to your shopping cart.
4. Proceed to checkout and complete the payment process.

5. API Endpoints

The application includes several API endpoints:

- `/api/users/register`: Registers a new user.
- `/api/users/login`: Authenticates a user and returns a token.
- `/api/products`: Returns a list of all products.
- `/api/cart`: Handles operations related to the shopping cart.
- `/api/checkout`: Handles the checkout process.

6. Testing

To run tests for the project, use the command `npm test`. Ensure that all unit tests, integration tests, and end-to-end tests pass before deployment.

7. Deployment

To deploy the project, use a platform like Heroku or AWS. Ensure that all environment variables are correctly set in the production environment.

8. Contributing

Contributions to the project are welcome. To contribute:

1. Fork the repository.
2. Create a new branch for your feature.
3. Submit a pull request.

9. License

This project is licensed under the MIT License. Please see the `LICENSE` file for more details.