

Online Toy Shop Management System

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ABSTRACT

Introduction

The Online Toy Shop Management System is a comprehensive e-commerce platform designed to provide a convenient and enjoyable online shopping experience for customers seeking a wide range of toys and children's products. In other words, the online toy shop management System is a cutting-edge e-commerce platform designed to transform the way we shop for toys and children's products online. This system aims to bridge the gap between traditional toy stores and modern online shopping, offering a diverse catalog, secure transactions, and user-friendly features. Customers can browse an extensive catalog of toys, add items to their cart, and securely complete transactions. The system ensures smooth checkout processes, personalized recommendations, and order tracking.

The Online Toy Shop Management System seeks to revolutionize the online toy shopping landscape, offering a secure, convenient, and enjoyable platform for users of all ages. It not only enhances the customer shopping experience but also facilitates business growth for independent toy sellers.

Existing System

The existing system for online toy shopping consists of a fragmented landscape, with individual toy sellers and small businesses operating separate e-commerce platforms or relying on third-party marketplaces. This approach lacks standardization and specialization, resulting in inconsistent user experiences and limited product variety. Security concerns related to data breaches have raised doubts about the safety of online transactions.

System Requirements

Front-End : HTML and CSS

Back-End : Python Django

Key Features:

- User Authentication and Security
- Extensive Product Category

- Seamless Shopping Cart
- Secure Payment Options
- Order Processing and Tracking:
- Feedback and Review Mechanism:

Modules:

1.Admin

- Login
- Manage product [Add/Edit/Delete]
- Add product details
- Add category
- Manage stock
- Add Brand details
- Manage Order and payment
- Manage seller
- Manage Categories

2. Customer

- Login
- Registration
- View/Update profile
- View product details
- Add to cart
- Make order
- Search filtering and buy products
- Make Payment
- Review and feedback

3. Seller

- Login
- Registration
- Add product details
- Manage order, update order status, and track deliveries.
- Manage product

4. Delivery Agent

- Details of delivery
- manage delivery schedules
- Order delivery
- Customer details
- Payment details

Modules description

Admin

- User management: Admin can manage user accounts and profiles.
- Product management: Add, edit, and delete products, including descriptions, prices, and images.
- Order management: Monitor and manage customer orders, including order processing and tracking.
- Seller management: Approve or disapprove seller registrations and manage seller profiles.
- Payment management: Track and manage payment transactions and methods.
- Reporting and analytics: Generate reports on sales, user activity, and inventory.

Customer

- User registration and login: Customers can create accounts and log in securely.
- Product browsing: Browse, search, and filter products by category, price range, and more.
- Shopping cart: Add and remove items from the cart and proceed to checkout.
- Payment options: Choose from multiple payment methods, including online payment and cash on delivery.
- Order history: View and track past and current orders.
- Review and feedback: Provide reviews and feedback on products and the overall shopping experience.

Seller

- Seller registration and login: Independent toy sellers can create profiles and log in.
- Product management: Add, edit, and remove product listings, including images and descriptions.

- Order processing: Manage orders, update order status, and track deliveries.
- Interaction with customers: Communicate with customers through messaging and notifications.

Delivery Agent

- Delivery scheduling: View and manage delivery schedules and routes.
- Order delivery: Deliver products to customers, collect payments (if applicable), and update order statuses.
- Customer details: Access customer information for smooth order deliveries.
- Cash-on-delivery management: Handle cash payments and provide receipts.\

Functionalities:

- User authentication and security.
- Extensive product catalog with categories.
- Shopping cart and checkout process.
- Multiple payment options, including online gateways and cash-on-delivery.
- Product reviews and ratings.
- Secure order processing and tracking.

Functionalities adding to mini Project:

- a. Registration and Login
- b. Check out item
- c. Adding to cart
- d. Payment

Functionalities adding to main Project:

Delivery Agent

- Details of delivery
- manage delivery schedules
- Order delivery
- Customer details
- Payment details

- a. Order Confirmation and Tracking
- b. Product Age Classification
- c. Age-Filtered Product Listings