

# **ONLINE TOY SHOP MANAGEMENT SYSTEM**

## **System Study**

### **REQUIREMENT ANALYSIS**

#### **➤ Project Overview**

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. 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.

#### **➤ To what extent the system is proposed for?**

The proposed Online Toy Shop Management System is designed to be a comprehensive and user-centric platform, spanning from an intuitive shopping experience for users of all ages to robust security measures, extensive product listings, and empowerment for independent sellers. It aims to streamline order processing, foster a dynamic feedback loop, and provide administrative control. The system's extent encompasses enhancing customer satisfaction, seller growth, and overall efficiency in the online toy shopping process, bridging the gap between traditional toy stores and modern e-commerce.

#### **➤ Specify the Viewers/Public which is to be involved in the System?**

Customers: These are the primary users of the system who visit the platform to browse, search, and purchase toys and children's products. Customers interact with the system to explore the product catalog, add items to their shopping carts, make payments, and track their orders.

Independent Toy Sellers: sellers utilize the platform to register, list their

products, manage their profiles, and engage with customers. They are an essential part of the system as they contribute to the diversity of products available.

Administrators: Administrators are responsible for overseeing and managing the entire system. They manage user accounts, product listings, order processing, and overall system operations. They also use the system for monitoring and reporting purposes.

Delivery Agents: Delivery agents interact with the system to manage delivery schedules, routes, and order deliveries. They are responsible for ensuring that products are safely and timely delivered to customers.

➤ **List the Modules included in your System?**

1. Admin
2. Customer
3. Seller
4. Delivery Agents

**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

**Customer**

- Login

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

### **Seller**

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

### ➤ **Identify the users in your project?**

Online Toy Shop Management System, users can be identified based on their roles and responsibilities within the platform.

#### I. Customers:

visit the platform to browse, select, and purchase toys and children's products for personal use or as gifts. Customers create accounts to personalize their shopping experience, track orders, and provide feedback.

#### 2. Independent Toy Sellers:

They register as sellers, create seller profiles, manage product listings, fulfill orders, and engage with customers.

#### 3. Admin:

Administrators are responsible for managing and overseeing the entire Online Toy Shop Management System. They have the highest level of access and control, managing user accounts, product listings, order processing, and overall system operations.

### ➤ **Who owns the system?**

The Online Toy Shop Management System, the system's ownership primarily rests with the business owner or the company responsible for operating the online toy shop. They are the driving force behind this innovative platform, which aims to revolutionize the way customers shop for toys and children's products online.

➤ **System is related to which firm/industry/organization?**

The Online Toy Shop Management System is directly related to the e-commerce operations of a firm or organization that specializes in the retail of toys and children's products. This comprehensive digital platform is tailored to meet the needs of such a firm or organization, facilitating a diverse product catalog, secure transactions, and an improved online shopping experience for customers in the toy industry.

➤ **Details of person that you have contacted for data collection?**

- Using different web resources
- Personal Experience

➤ **Questionnaire to collect details about the project?**

**1. What is the primary goal of the Online Toy Shop Management System?**

The primary goal of the Online Toy Shop Management System is to provide a comprehensive and user-centric e-commerce platform that offers a seamless and secure online shopping experience for customers seeking a wide range of toys and children's products.

**2. How does the system plan to bridge the gap between traditional toy stores and modern online shopping?**

The system aims to bridge this gap by offering a diverse catalog, secure transactions, and user-friendly features. It provides a convenient and enjoyable online shopping experience while empowering independent toy sellers to showcase their products.

**3. What are the key features and functionalities that the system intends**

**to offer to customers and administrators?**

Some key features include user authentication and security, an extensive product catalog with categories, a shopping cart, multiple payment options, product reviews, and secure order processing and tracking.

**4. What are the core objectives of the project concerning user interface and user experience design?**

The core objectives include creating an intuitive user interface, ensuring a seamless shopping experience, and facilitating user satisfaction for users of all ages.

**5. How does the system plan to empower independent toy sellers to showcase their products effectively?**

Independent toy sellers can manage their product listings, interact with customers, and process orders within the system. Specific details on seller empowerment would be helpful.

**6. What technologies and tools are planned for the development of the Online Toy Shop Management System?**

The technologies and tools planned for development include Django as the backend framework, HTML/CSS for the frontend, Python, JavaScript, a database management system (e.g., PostgreSQL or MySQL), version control tools like Git, and security measures such as encryption (HTTPS).

**7. How does the system plan to gather feedback and reviews from customers, and how will this feedback be used?**

The system includes a feedback and review mechanism, but additional information on how customer feedback will be collected and utilized for improvements is needed.