**Student name: Rayhan Goni Numan**

**Student number: 21004379**

**Supervisor: Sunmi Sijuade (Mrs)**

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**Daily-needs (E-Commerce Management System by Designing a Convenient Database System and VMI Test**

**Introduction:**

Daily-Needs ecommerce store! We understand that life can be busy and hectic, and finding the time to run errands and shop for everyday essentials can be a challenge. That's why we've created an online marketplace that makes it easy for you to get the products you need, delivered right to your door.

Our selection includes a wide variety of household items, personal care products, groceries, and more. Whether you're looking for cleaning supplies, health and beauty products, or pantry staples, you'll find it all here. With our easy-to-use website, you can shop for everything you need from the comfort of your own home.

We pride ourselves on offering high-quality products at competitive prices, and we're committed to providing our customers with the best possible shopping experience. Our customer service team is always here to help, whether you have a question about an order or need assistance with a return.

Thank you for choosing our ecommerce store for your Daily-needs. We look forward to serving you!

# Background:

The ecommerce market for daily necessities has grown significantly in recent years, as more and more consumers turn to online shopping for convenience and ease. This trend has been driven by various factors, including the rise of mobile technology, increasing consumer confidence in online shopping, and the growing availability of high-speed internet and home delivery services.

The Daily-needs ecommerce market includes a wide range of products, including groceries, household items, personal care products, baby products, and pet supplies. This market has seen an increase in demand due to busy lifestyles, as well as the rise of "subscription box" services, which allow customers to receive regular deliveries of specific types of products.

As the market continues to grow, competition among ecommerce retailers is also increasing. Many retailers are now focusing on creating personalized shopping experiences, offering fast and reliable delivery, and providing excellent customer service to stand out in the market.

The Daily-needs ecommerce market is expected to continue growing in the future, driven by factors such as the increasing popularity of mobile shopping, the growing trend towards subscription-based services, and the growing demand for sustainable and eco-friendly products.

# Questions:

Through this research, we will cover most of the questions that help to make a secure delivery system. This question helps to complete this research study on this delivery system.

1. Why is Secure Delivery Options Needed in the e-commerce management system?

2. What are database tables used to make this system?

3. How does this system enhance the e-commerce management system?

4. How will this system help users to get the product properly?

# Aim and Objective:

**Aim:**

# The aim of a Daily-needs ecommerce store is to provide customers with a convenient and efficient way to purchase everyday essentials. The main goal is to make it easy for customers to find and purchase the products they need, while providing them with a high-quality shopping experience. Some of the key aims of a Daily-needs ecommerce store include:

# Offering a wide range of products: A variety of household items, personal care products, groceries, and more.

# Providing convenience: Making it easy for customers to shop from the comfort of their own home, with fast and reliable delivery options.

# Offering competitive prices: Providing customers with the best value for their money.

# Providing excellent customer service: Ensuring that customers have a positive shopping experience and resolving any issues or concerns in a timely and professional manner.

# Creating a personalized shopping experience: Offering personalized recommendations, deals, and promotions to customers.

# Providing sustainable and eco-friendly options : Offering customers the option to purchase products that are environmentally friendly, and sustainable.

# Continuously innovating: Keeping up with the latest technology and trends to ensure that customers have a seamless shopping experience.

# Building trust and long-term customer relationships: Building trust and maintaining a long-term relationship with customers through transparent and ethical business practices.

# Overall, the main aim of a Daily-needs ecommerce store is to provide customers with a convenient and efficient way to purchase everyday essentials, while providing them with a high-quality shopping experience.

# Objective:

The objective of an e-commerce platform for Daily-needs could be to provide customers with a convenient and efficient way to purchase essential household items, such as groceries, personal care products, and household cleaning supplies. The platform could focus on delivering a wide range of products at competitive prices, and providing a seamless online shopping experience, including easy navigation, fast checkout, and timely delivery. Additionally, the platform could aim to build customer loyalty through personalized recommendations, special promotions, and exceptional customer service We cover some of the objectives to make this research successful. All the objectives are given below:

1. Product catalog management
2. Shopping cart and checkout
3. Payment processing and gateway integration
4. Order management and tracking
5. Customer account management
6. Discount and coupon management
7. Inventory management
8. Email verification for user registration.
9. Product reviews and ratings
10. Search and filtering capabilities
11. Mobile responsive design
12. Customizable shipping and tax options
13. Multi-currency
14. Shopping cart and checkout
15. Payment processing and gateway integration
16. Order management and tracking
17. Customer account management
18. Discount and coupon management
19. Inventory management
20. Email and SMS notifications
21. Product reviews and ratings
22. Search and filtering capabilities
23. Mobile responsive design
24. Customizable shipping and tax options
25. Multi-language and currency support
26. Third-party integration (e.g. CRM, accounting, shipping)
27. Marketing and SEO tools
28. Analytics and reporting
29. Social media integration
30. Gift card and loyalty program support
31. Abandoned cart recovery
32. Marketing and SEO tools
33. Analytics and reporting
34. Social media integration
35. Gift card and loyalty program support
36. Chatbot
37. VMI Test(extra Feature)

# Technology Used:

After studying all the problems of the delivery system, researchers built the system to Daily-needs commerce management system. To build this delivery system including the e-commerce system, we need to implement various technologies. We will implement all the frontend technologies to make the user interface of the system along with backend technologies to handle the system logic. The below technologies have been used for this system,-

**Front-End Technologies:** HTML, CSS, Javascript, Bootstrap,Jquery,Sass,Flex,Grid.

**Backend Technologies:** CMS-based WordPress along with custom PHP,Mysqli.

This research uses CMS like WordPress to handle all the system logic and connectivity with the database. WordPress helps to build this system easily due to the plugin. We have so many inbuilt free and paid plugins that we will use to build the delivery system with proper security and also we will include some Custom PHP that will help to build the system properly (Yin and He, 2022). The development of strong front-end and backend data analytics is highly essential for strong and effective management of the user and company data. The front-end technology thoroughly helps develop the consumer data and user interface, which is essential for user approval. Again the backend technologies effectively manage the user information which is required for delivery services throughout. The backend technologies help in the better development of Big Data analytics and retain all the records for future use by complete audit, applicant's analytics, and report to the engine for processing and other holistic information. It further helps in clearing or distilling the necessary information and extracts the necessary insights with a better and clearer picture view for easier understanding. This further helps collect strong and accurate data with failsafe monetary management and other reconciliations. Suppose the data are tracked through and money over COD and then the proper summation of details is sent to both parties to avoid any error throughout the delivery or pickups. This brings a easier, fast, more secure, and flawless delivery system through the delivery operations (Kumar et al., 2021).

**Hosting Technologies:** To host the system we need to buy hosting from hosting provider services and we also need to buy the domain from Domain Name Services. We can use Namecheap or any other platform to buy all of these.

# Conclusion:

This research study will help users to get a secure delivery system in the e-commerce management system. It will Daily-needs e-commerce management system by implementing proper and systematic delivery options to it. It will help developers to know how to build secure delivery options for an e-commerce management system with proper testing. Thus proper management and implication to backend services through web development can effectively help through user data security systems for e-commerce websites. This research study checks the background, interprets the user problems related to delivery options, and documents them. Researchers use proper technologies to build this delivery system (Scaler, 2022). The system will have a proper database design for product delivery, delivery guy information, and delivery information in a proper relationship. It has proper user verification as well as a delivery boy verification system. After the development of this system, we will test it.

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