

Online E-Commerce for Nerves x Vibes Clothing

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Introduction

Online Ordering is an e-commerce function where a company allows customers to order products or access their services via their website. Since the internet is booming, having an online ordering system can boost sales to some extent as it eases customers to place an order for the company's services anywhere and anytime, considering their free time and daily activities. To most people, shopping clothes online is not a hard and anguished job anymore, they can just stay at home, click the mouse, spend several minutes to get what they want without stepping out of the room or standing in line for checking. People find this way of life more convenient, because they can complete their daily chores from comfort of their own home. That's why some people like to shop for their clothes online. With the click of a button, you can order anything you want, and have it delivered directly to your front door. For someone with a busy lifestyle, this seems ideal.

Background of the Study

Nerves x Vibes Clothing is a small business enterprise that focuses on their own clothing brand. The company is operated by Mr. Frederick John since March, 2019. Today, the company has already decided to have an e-commerce website for their clothing line because of the increase in sales via online transaction through Facebook has led the client to revolutionize their mode of transaction to keep up with the trend and the market. Nerves x Vibes Clothing's currently do not have their own website and instead just post pictures of their products via social networking via Facebook and also struggling with the tedious work of managing over 10 clothing other variants with different designs in their sales transactions on a daily basis because of the increased sales and bulk orders they are facing today.

Overview of the Current State Technology

The lack of modern technological approach has stagnated the growth of the company in managing sales transactions efficiently. Automation has come a long way in providing task efficiency such as order management, purchase order, reorder level, stock, and sales transactions. The company was not able to utilize these technological trends.

- **Mobile Phone and E-mail**
- **Promotion**
- **Walk – in Transaction**
- **Returns (Walk-in Transaction)**
- **Cancellation of Orders**
- **Replenishment**
- **Returns**

Objectives

To develop a software that is specifically tailored to the needs of the Nerves x Vibes Clothing company. A tailored e-commerce system is one of the probable solutions that can handle specific tasks such as order management, purchase order, delivery and sales transaction via walk-in

General Objective

To develop, design and implement an E-Commerce Website or an Online Ordering System for Nerves x Vibes Clothing that will be efficient and accurate to support the business productivity and reliability level. A system that would be able to process the orders, that can be easily observed, and provide their customers. The proponents aimed for information about the business and be able to record all the transaction.

Specific Objectives

1. To design, develop and implement an Administrator Dashboard module that will provide quick access to the different modules of the web system.
2. To design, develop and implement a secured and reliable scheme.
3. To design, develop and implement a Report Module that will provide administrators an overview of the transaction history of the company.
4. To design, develop and implement a module where the administrators can dynamically add and/or update products, add new designs and add a category.
5. To design, develop and implement a User Home Page wherein the user can sign up/sign in their account for Product Viewing.
6. To design, develop and implement a module for a cart system for the user' order purchasing more than one item at once.

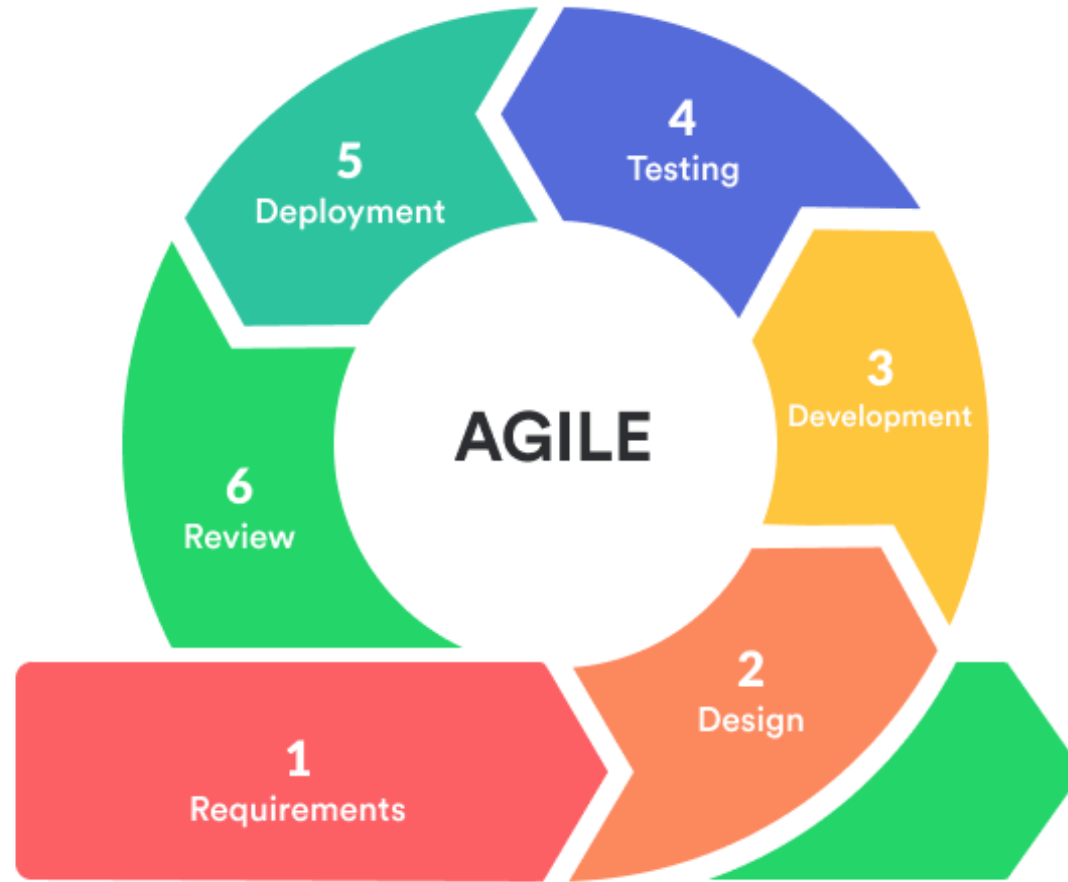
Scope

To develop an Online Ordering System for Nerves x Vibes Clothing which the administrator can easily manage its clothing shop and provide a system that has a user interface that is user friendly with intention of the owner where the products of Nerves x Vibes Clothing can be displayed and modules for the admin wherein they can perform the task and to handle the Clothing Store.

Limitations

- The quantity of the available stocks will not be displayed in the website for the company's confidential reasons.
- The system will not process special orders.
- The system will cater the inventory and point-of-sales.
- The system does not have the capability of reservation for the customers.

Methodology



This section discusses the research method that was used by the developer in lieu to the problem stated. The developer chose the Agile Development strategy in conducting this research since flexibility is needed to adapt to uncertainties when change is needed upon finishing the system. Agile is used for a variety of projects such as ERP implementations and operational systems but is the best option for e-commerce websites. It works with an objective to promote automation and fast delivery, coordination between development and operations and improving product quality using quality control testing. The research methodology includes the requirements, design, development, testing, deployment, and review.

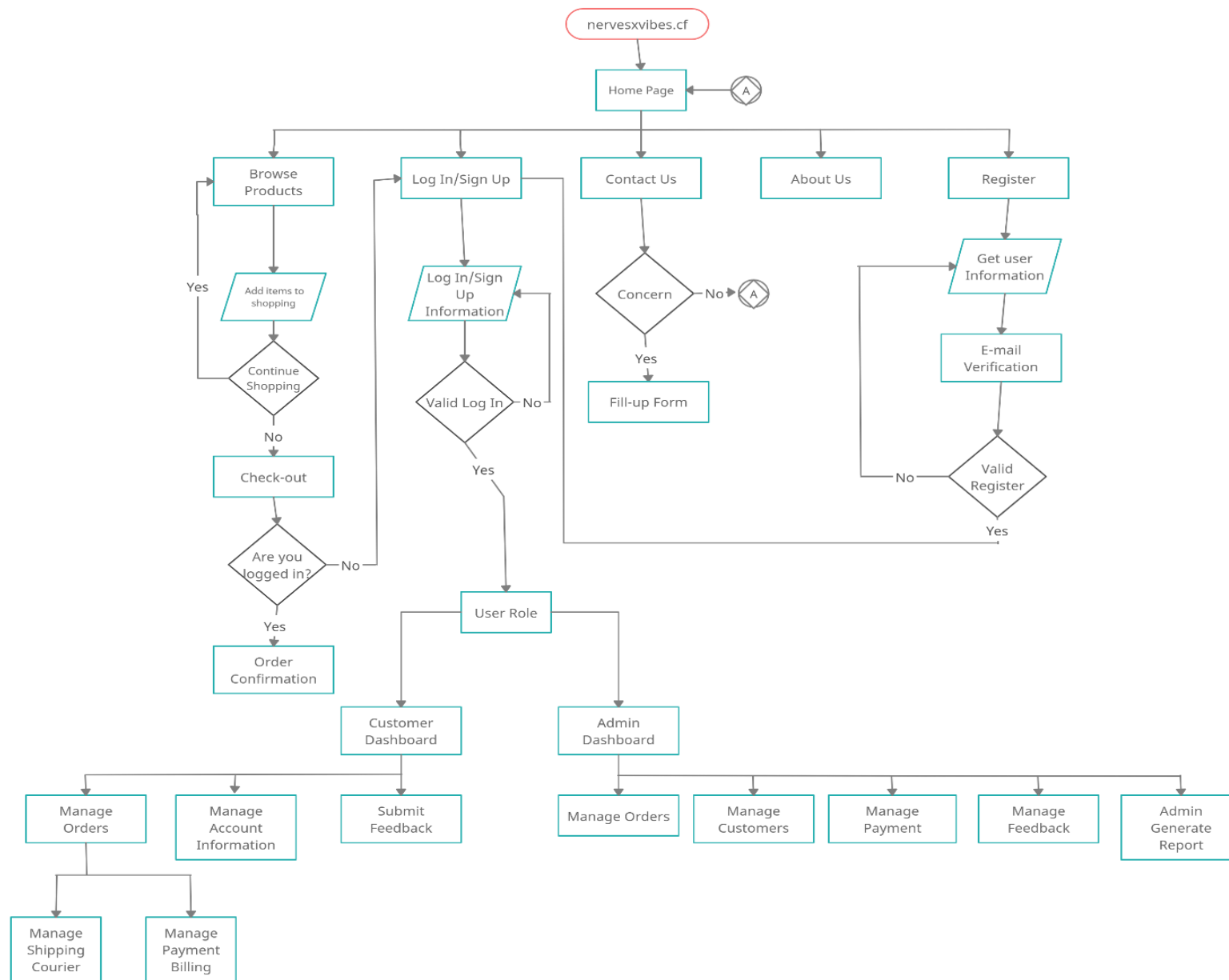


Figure 1.0 Shows the Flowchart of Online E-Commerce for Nerves x Vibes Clothing

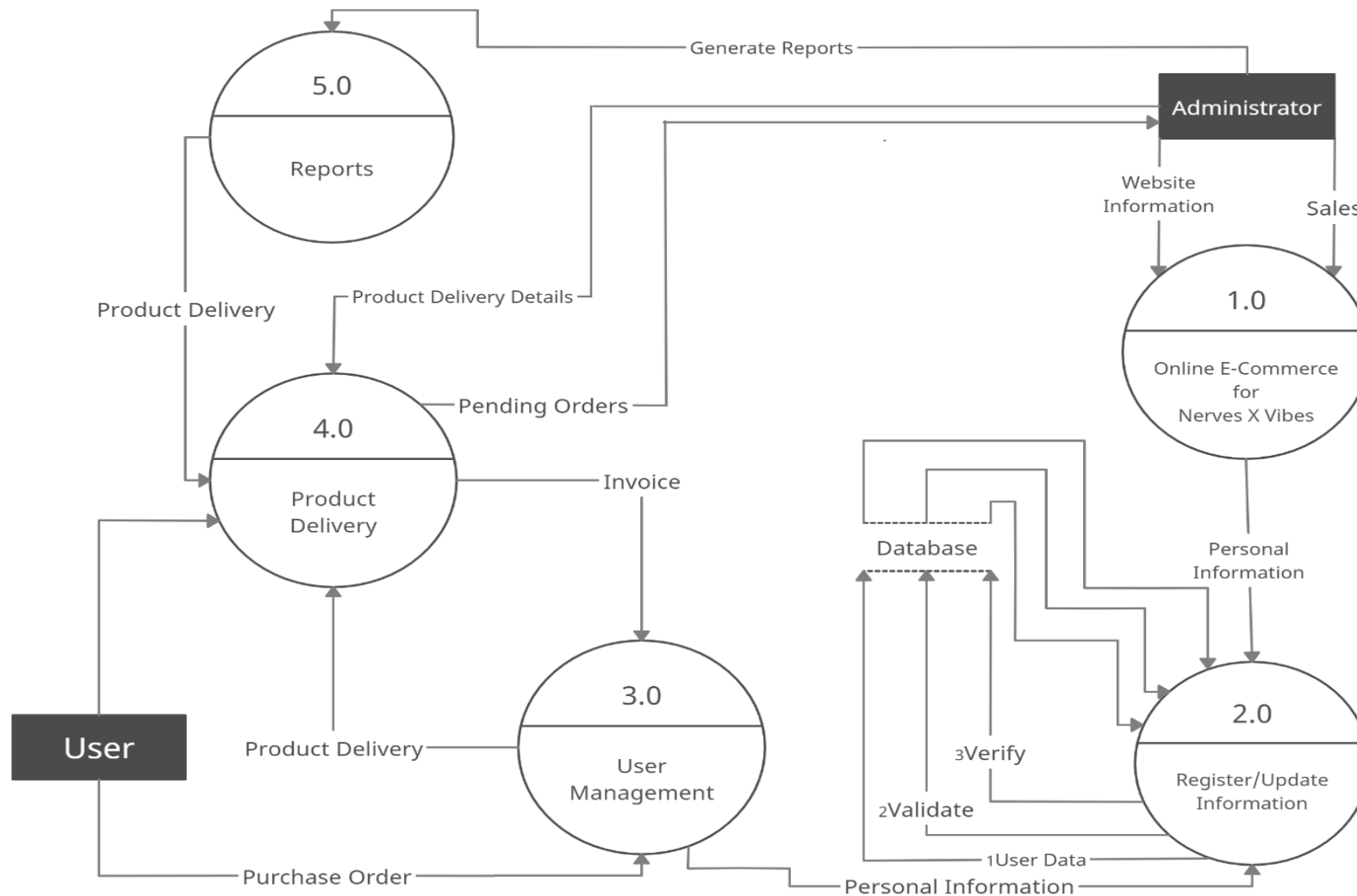


Figure 2.0 Shows the Data Flow Diagram of Online E-Commerce for Nerves x Vibes Clothing

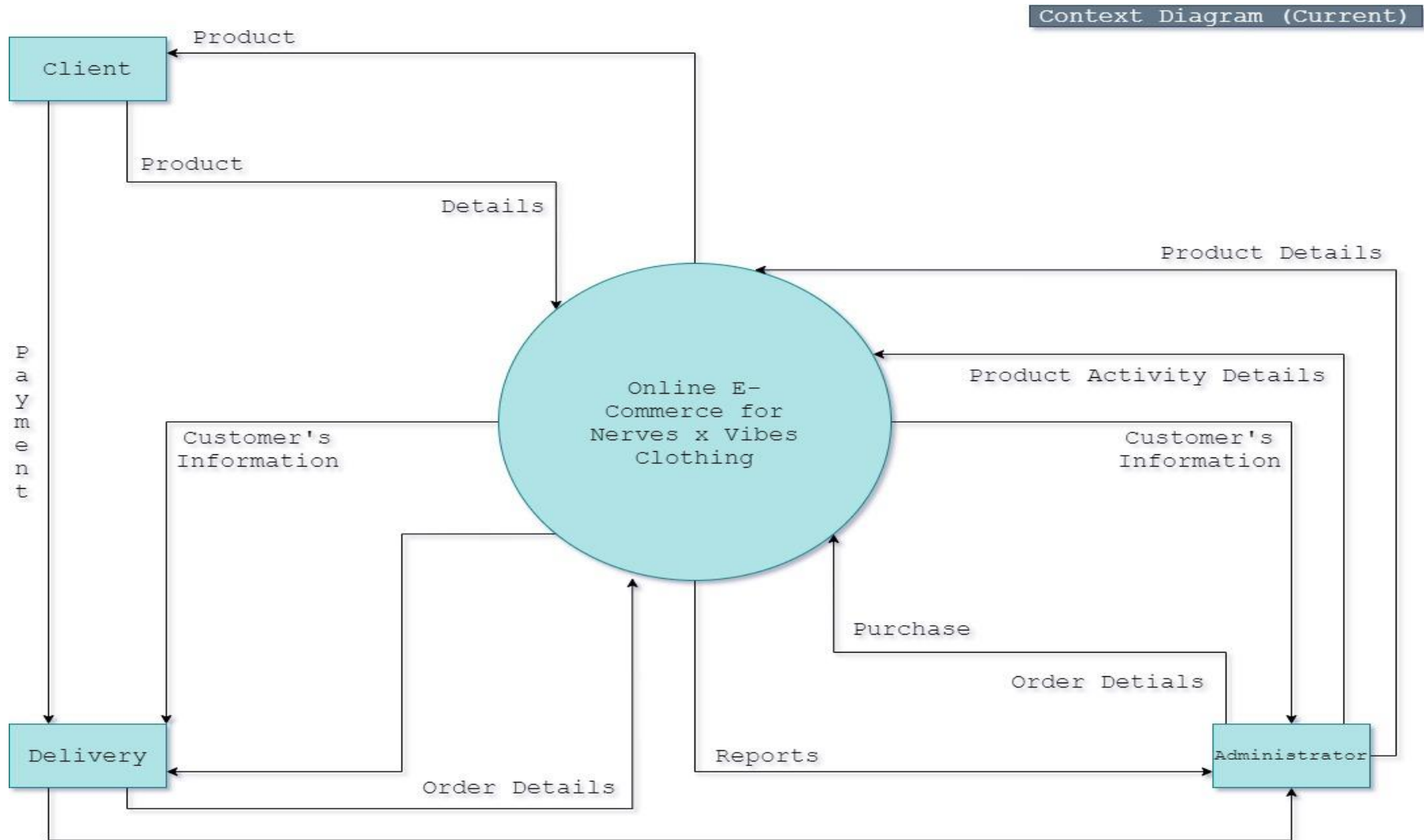
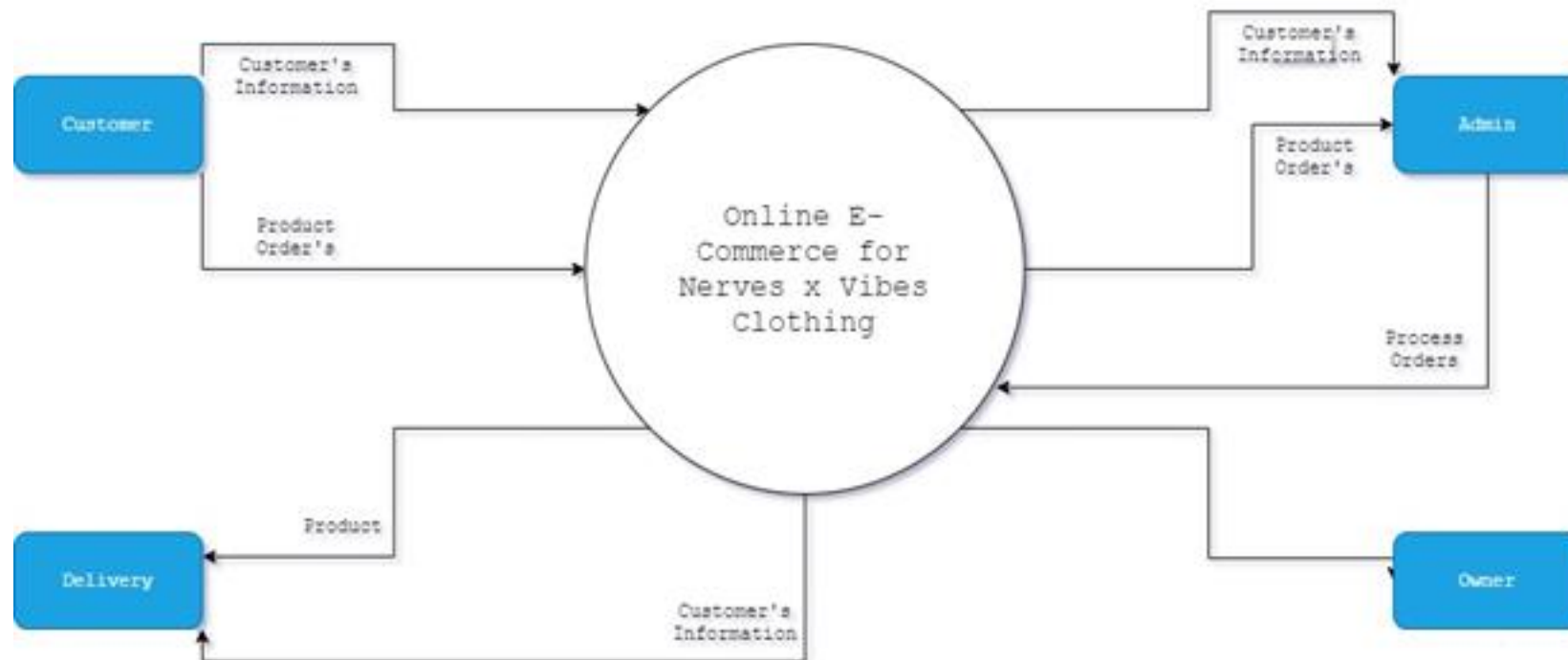


Figure 3.0 Shows the current Context Diagram of Online E-Commerce for Nerves x Vibes Clothing



Context Diagram (Proposed System)

Figure 4.0 Shows the proposed Context Diagram of Online E-Commerce for Nerves x Vibes Clothing

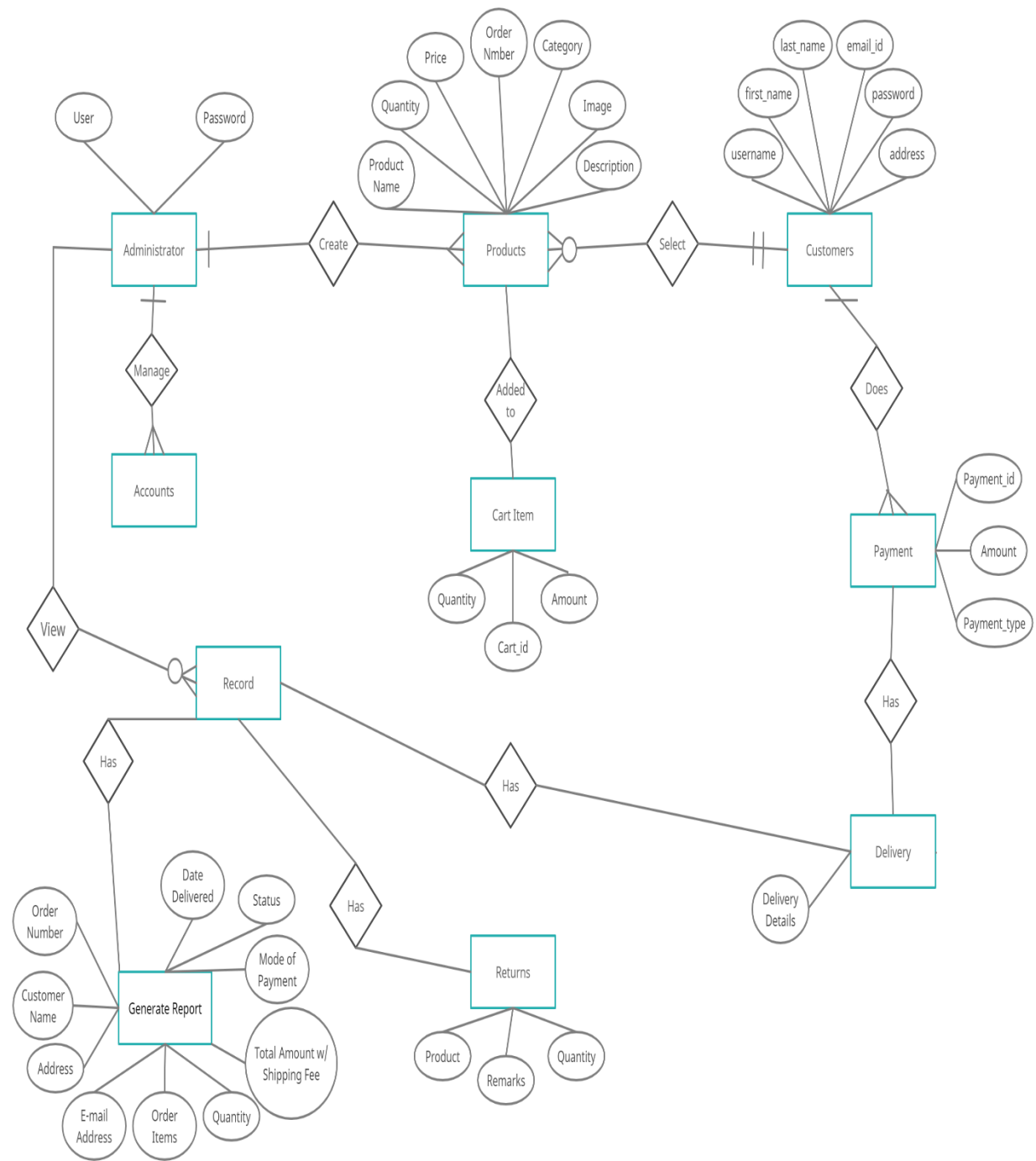


Figure 5.0 Shows the Entity Relationship Diagram of Online E-Commerce for Nerves x Vibes Clothing

Thank you very
much for listening!