

Efresh Beitak

E-COMMERSE WEBISTE SRS

HAZEM ABDELSATTAR MOHAMMED ALI

ALYAA MAMOON ABDELMONEAM

JAMEELA AHMED

MOHAMED OMRAN

SAMA MOHAMED

SHIEMAA MOHAMMED TAQI

AYA ABDELKHALEQ AHMED

ESRAA ABDUL-MABADI ABU AL-HAMAD

TABLE OF CONTENTS

| | |
|------------------------------------------------------|-----------|
| INTRODUCTION | 2 |
| 1.1 PURPOSE | 2 |
| 1.3 - DEFINITIONS, ACRONYMS, AND ABBREVIATIONS | 3 |
| 1.4 OVERVIEW | 3 |
| GENERAL DESCRIPTION | 4 |
| 2.1 PRODUCT PERSPECTIVE | 4 |
| 2.2 PRODUCT FUNCTIONS | 4 |
| 2.3 USER CHARACTERISTICS | 7 |
| 2.4 GENERAL CONSTRAINTS | 8 |
| 2.5 ASSUMPTIONS AND DEPENDENCIES | 9 |
| SPECIFIC REQUIREMENTS | 10 |
| 3.1 FUNCTIONAL REQUIREMENTS | 10 |
| 3.2 DESIGN CONSTRAINTS | 11 |
| 3.3 NON-FUNCTIONAL REQUIREMENTS | 12 |
| 3.2 FUTURE VERSIONS OF THE WEBSITE | 13 |
| 3.3 SECURITY | 13 |
| 3.4 PERFORMANCE REQUIREMENTS | 13 |
| 3.5 MAINTAINABILITY | 13 |
| ANALYSIS MODELS | 14 |
| 4.1 CONTEXT LEVEL 1 | 14 |
| 4.2 SEQUENCES DIAGRAMS | 15 |
| 4.3 CLASS DIAGRAMS | 19 |
| 4.4 MODELS DIAGRAMS AFTER UPDATED | 20 |
| CONCLUSION | 21 |
| 5.1 IN CONCLUSION | 21 |

Introduction

1.1 Purpose

The purpose of this software requirement specification is to provide a clear, documented model of the requirements for the online shopping system. This document serves to provide top level use cases for a web customer making purchases online.

The system includes the customer subsystem as well the seller, the admin and the designer subsystem, the website is intended to provide a fast & easy way for customers to communicate with sellers and designers.

the appeal of online shopping systems experienced a large boost in the last decade because the customers can browse easily through various options, brands and price ranges with very little hassle, Especially for people in Qena who suffer from the lack of products, it will enable sellers to set up online furniture shops, so customers to browse through the shop and buy them online without having to visit the shop physically.

1.2 Scope

The online shopping system provides a platform for conducting sales of a wide variety of goods and provides a way of bringing sellers and customers on an online platform to conduct transactions in a secure manner across the globe , It also provides sellers a platform where they can upload their listings to the system for customers to view and purchase. The biggest advantage of the service is the comfort it brings with remote usage. The ability to compare various price ranges, brands and experiences provides for a more honest/dutiful understanding of the product as well as Browsing through the store to see the items that are there in each category of products like (kitchen tools – living rooms – dining rooms – bathrooms – bed rooms- curtain – carpets), It also provides a platform for engineers Decoration to display their business to attract customers and thus increase job opportunities.

The site allows the customer to post a request with a specific design, and the Sellers can view and respond to these requests over the phone

Our value proposition is to save time for the customer and offer quality and price that suits all segments of society as well as increase vendor sales and provide jobs for designers, each user having a remote user interface through a web browser to interact with it. Our platform provides secure registration and profile management facilities for customers, Adequate searching, quick access to particular products and services.

Shop employees are responsible for internal affairs like viewing and processing orders, assure home delivery, getting customers' delivery-time feedback, updating order status, adding new products, add status to the product.

The admin can add shops, add staff to these shops, view customers' orders, and view staff details.

The designer has ability to add designs and market for his self.

1.3 - Definitions, Acronyms, and Abbreviations

Report - an account of patients

Logon ID - a user identification number to enter the system

Password - a word that enables one to gain admission into the system

SQL - a query language to interrogate the system

SRS - Software Requirements Specification

1.4 Overview

This system provides an easy solution for customers to buy the product without going to the shop, make customize order and view designs, also to shop owner to sale the product with easy way and Increase store sale.

This proposed system can be used by any naïve users and it does not require any educational level, experience or technical expertise in computer field but it will be of good use if user has the good knowledge of how to operate a computer.

General Description

2.1 Product Perspective

This product provides online platform where customer can buy the product without going to the shop and customize his order, also shops can upload their products and services to the system for customers to view and purchase.

The biggest advantage of the service is the comfort it brings with remote usage. The ability to compare various price ranges, brands, provides for a more honest/dutiful understanding of the product. It also provides a platform for engineers Decoration to display their business to attract customers and thus increase job opportunities.

2.2 Product Functions

The system functions can be described as follows:

User: Admin

Functions:

- **User management:** The admin can manage user accounts, including creating shops accounts and creating staff accounts (to specific shop), and deleting and edit accounts.
- **View Order Details:** The admin can view and check customer orders, updating order status or delete, edit or cancel.
- **Dashboard:** The admin can view total orders, total customer, total shops, recent orders.

User: Designer

- The admin is the only user responsible for adding the designer.

Functions:

- **Designs management:** The Designer can add design, edit design, delete design

User: Seller

- The admin is the only user responsible for adding the shop and its staff.
- Any shop can contact with site to sign up as a shop and the admin will give it a role as a shop also admin gives roles to the staff of this shop as staff.

Functions:

- **Product Management:** The seller can add, edit, and delete products from their online store. They can also manage product descriptions, images, codes, brand, category, quantities and price and select status of product (discount, new arrival ...).
- **Order Management:** The seller can view and manage orders placed by customers. They can update the order status, and manage delivery orders by themselves also cancel or delete order, there are two types of orders Purchase orders and design orders.
- **Customer Management:** The seller can view customer information such as order details, contact details and address details to able to deliver the order
- **Dashboard:** The shop owner can view total sales, total customer, total orders.

User: Customer

Functions:

- **Registration and login:** Customers can create an account and log in to the online shopping system, also customer should confirm his email after Register to access their profile and purchase history, also customer can use forgot password feature.
- **Account management:** Customer can modify personal profile information also add new address, edit address, Delete address, view orders, logout and update password
- **Search and browse products:** Customers can search for products using keywords or browse through categories to find the desired product and view product details.
- **Add to cart:** Customers can add products to their cart for purchase later or proceed to checkout.
- **Add to Wishlist:** Customers can add products to their Wishlist for purchase later.
- **Checkout:** Customers can complete their purchase by entering their shipping details (his address) and payment information.
- **Order man agent:** The customer can also view the status of any previous orders, and cancel any order item because each order item is independent (each Orde item has its cannel action).

2.3 User Characteristics

- **Age:** the age range of users who are likely to use the online shopping system, will be likely above 20.
- **Technological proficiency:** the level of proficiency in using computers and the internet, and familiarity with the online shopping process.
- **Buying habits:** The frequency of purchases, the type of items purchased, and the budget of users.
- **Location:** The geography of the users using the online shopping system, will be more likely Qena
- **Personal preferences:** Users' preferred payment modes, product suggestions, and marketing preferences.
- **Language and cultural background:** Language proficiency, the cultural context of users, and the user's regional preferences, will be more likely Arabic
- **Accessibility:** Users with disabilities who may require additional support to access the online shopping system.
- **Trust and security:** Users' trust in the website and payment systems, and the security measures taken by the website to ensure the privacy and safety of user information.
- **User goals:** The main objectives or goals for using the online shopping system, such as convenience, saving time, cost-effectiveness, and accessing diverse product offerings.

. 2.4 General Constraints

- **Security:** Online shopping systems must ensure the security of customer data such as personal information, and transaction details.
- **User-friendly interface:** The user interface of the website or application should be simple and user-friendly, so the users can easily navigate the system and quickly make purchases.
- **Performance:** The system must be scalable, responsive, and reliable to handle a large number of users simultaneously, particularly during peak hours.
- **Compatibility:** The system must work on different platforms and devices, including desktops, laptops, tablets, and mobile phones.
- **Inventory management:** The system must regulate and update product inventory regularly to ensure accurate and up-to-date product availability information.
- **Order management:** The system must have robust order management capabilities to ensure smooth order processing, tracking, and fulfillment.
- **Shipping and logistics:** Online shopping systems must integrate with trusted shipping partners and provide real-time tracking of orders.
- **Data privacy:** The system must comply with international data privacy regulations such as GDPR and CCPA and provide clear data privacy policies.
- **Customer support:** The system must provide reliable customer support services, including email, and phone support to help customers during the shopping process.

2.5 Assumptions and Dependencies

Assumptions:

- Users have basic knowledge of internet browsing and online shopping.
- The website will be accessible through a computer or mobile device that has an internet connection.
- Users will be able to provide accurate shipping and contact information.
- Payment method will be cash on delivery
- Product prices and availability will be updated regularly
- if the user doesn't add items to the cart for 30 days, then the user doesn't want these items So things will remove from the cart
- not all shops are able to deliver, so if a customer needs a specific item, he should go shopping online.
- Every shop should have at least one seller to upload shop's products, admin doesn't
- Able to load products.
- 9.If a customer wants to cancel an order item, he can change the item status by himself, or contact with admin to apply the cancellation

Specific Requirements

3.1 Functional Requirements

- **User Management for customer:** The platform will include user management functionality to allow customers to create a new account, log in, logout and save their personal and order information's.
- **User Management for admin:** The platform will include user management functionality to allow admin to create a new account for shops and sign staff to this shop.
- **Roles Management for admin:** The platform will include user management functionality to allow admin to create a new role and assign each user to specific role.
- **Product Management for shop:** The platform will allow for the management of product including the ability to create, edit, and delete a product (shop & staff)
- **Design Management for designer:** The platform will allow for the management of Design including the ability to create, edit, and delete a design. (Designer)
- **Order Management for customers:** The platform will allow for the management of customer orders, including the ability to make order, view order details, and cancel order items.
- **Order Management for shop:** The platform will allow for the management of customer orders, including the ability to view order details, update order status, delete order.
- **Order Management for admin:** The platform will allow for the management of customer orders, including the ability to view order details, update order all details, delete, update order status.
- **Reporting for admin & shop:** The platform will include reporting functionality that allows the administrator and shops to track sales, total customer, order details, and generate reports to inform shops and staff.

3.2 Design Constraints

- The system should be compatible with the most common operating systems, browsers and devices used by the customers and sellers.
- The database should be able to store product information for a large catalog of items (up to 100,00 products) from various sellers as well as customer reviews and ratings.
- The interface should be simple and user-friendly to appeal to a wide range of customers with varying technical backgrounds.
- The system should allow sellers to upload product images.

3.3 Non-Functional Requirements

Non-functional requirements are the criteria that determine the quality attributes of a system, such as its performance, usability, security, reliability, and maintainability. Here are some non-functional requirements that are important for an online shopping website: -

- **Performance:** The website should be fast and responsive to user requests. It should be able to handle a large number of concurrent users and provide quick response times for page loads, searches, and transactions.
- **Usability:** The website should be easy to use and navigate. It should have a simple and intuitive interface with clear and concise instructions, and should be accessible to users with disabilities.
- **Reliability:** The website should be reliable and available 24/7. It should have a backup and recovery plan in case of system failures, and should be able to handle high volumes of traffic without crashing.
- **Scalability:** The website should be able to handle future growth and expansion. It should be designed to accommodate an increasing number of users, products, and transactions without compromising performance or usability.
- **Maintainability:** The website should be easy to maintain and update. It should have a modular architecture that allows for easy changes and upgrades, and should have clear and concise documentation for developers and system administrators.
- **Compatibility:** The website should be compatible with popular web browsers and mobile devices, and should be able to function properly on different operating systems and platforms.
- **Analytics:** The website should have analytics and reporting tools to track user behavior, sales, and other metrics, and should have a dashboard that allows administrators to monitor and analyze data.

3.2 future versions of the website

- The system should integrate with third-party services, such as payment gateways, shipping providers, social media platforms and analytics tools.

3.3 Security

- Using identity Microsoft package for authorization and authentication.
- Confirm email before login.

3.4 Performance Requirements

- The checkout process should be completed within 2 minutes for any customer.
- Cart items saved on client side as cookies not in database to save database storage space

3.5 Maintainability

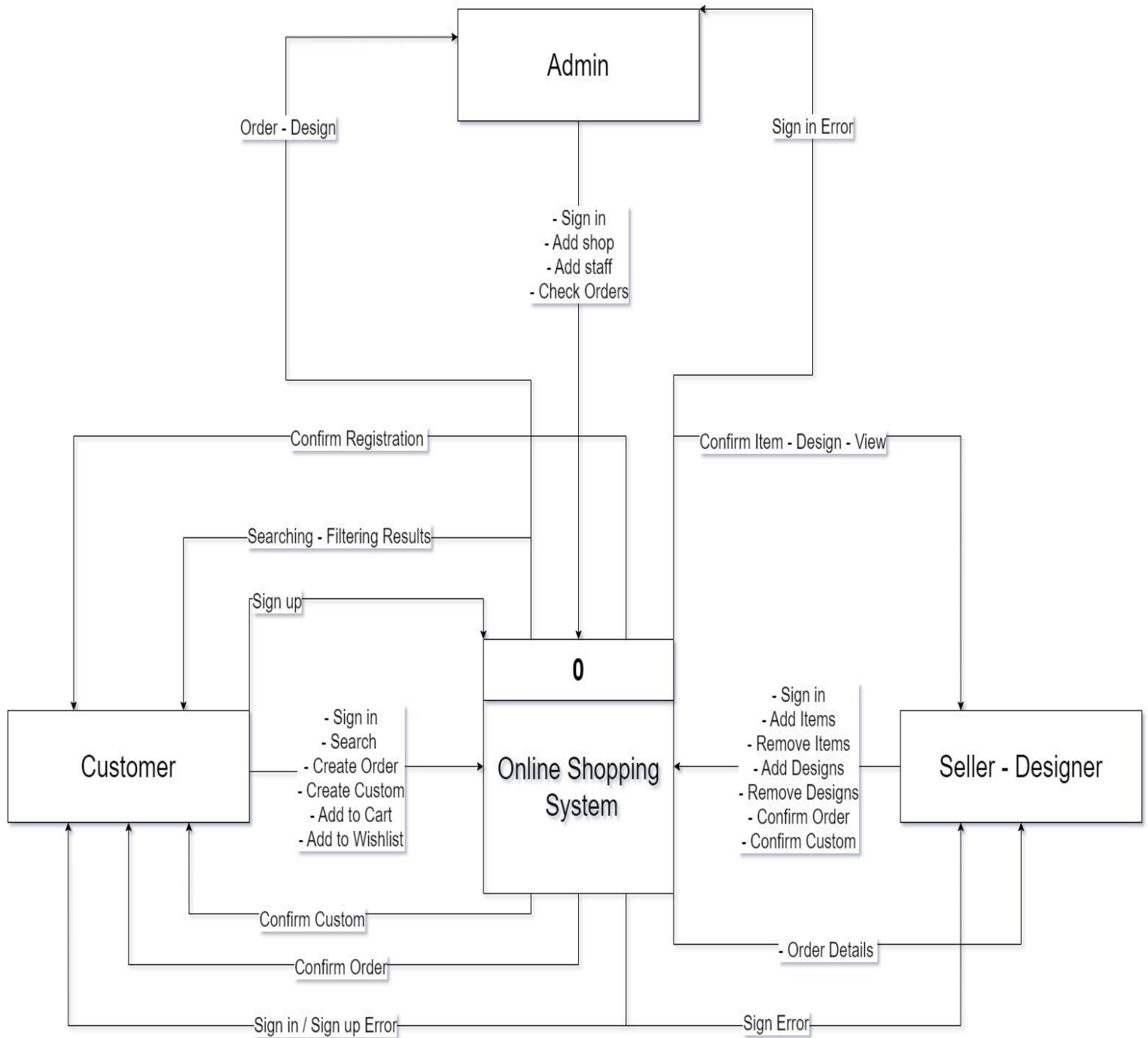
Maintainability can be described as follows:

- **Code readability:** The code should be easy to read and understand, with proper comments and documentation.
- **Specify the coding standards:** A clear and consistent coding style can make the software more maintainable.
- **Modularity:** The system should be divided into smaller modules, each with a specific function. This makes it easier to maintain and update the system.
- **Define the error handling procedures:** This should include guidelines for how errors will be detected, reported, and resolved. It should also specify the level of severity for each error and the response time required to resolve it.
- **Testing:** The system should be thoroughly tested before deployment to ensure that it is working as expected.
- **Version control:** The system should be under version control, which allows developers to track changes made to the code over time.
- **Upgradability:** The system should be designed in such a way that it can easily be upgraded to newer versions of software or hardware without causing any disruptions or downtime.

Back Up: The system shall provide the capability to back-up the Data

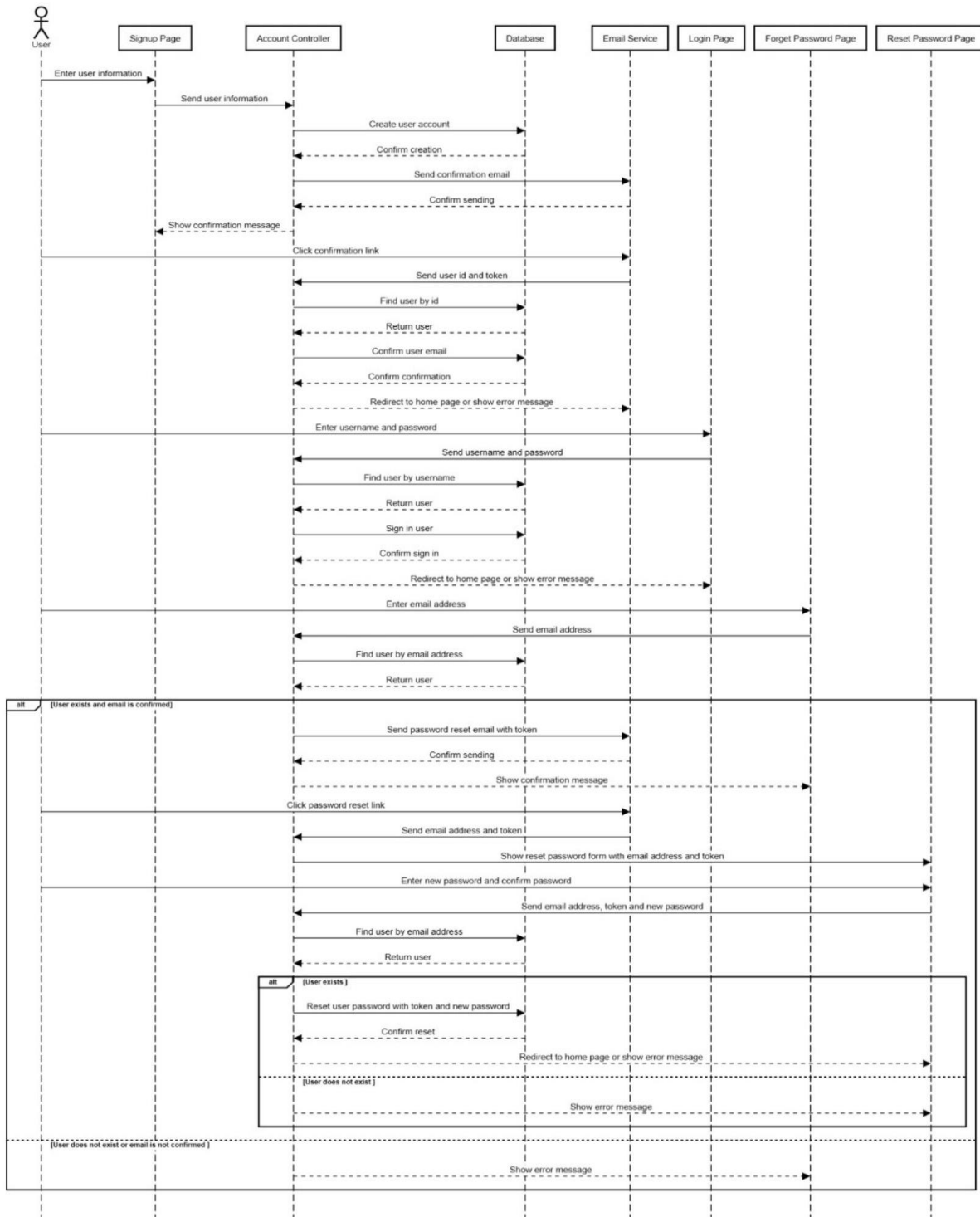
Analysis Models

4.1 Context level 1

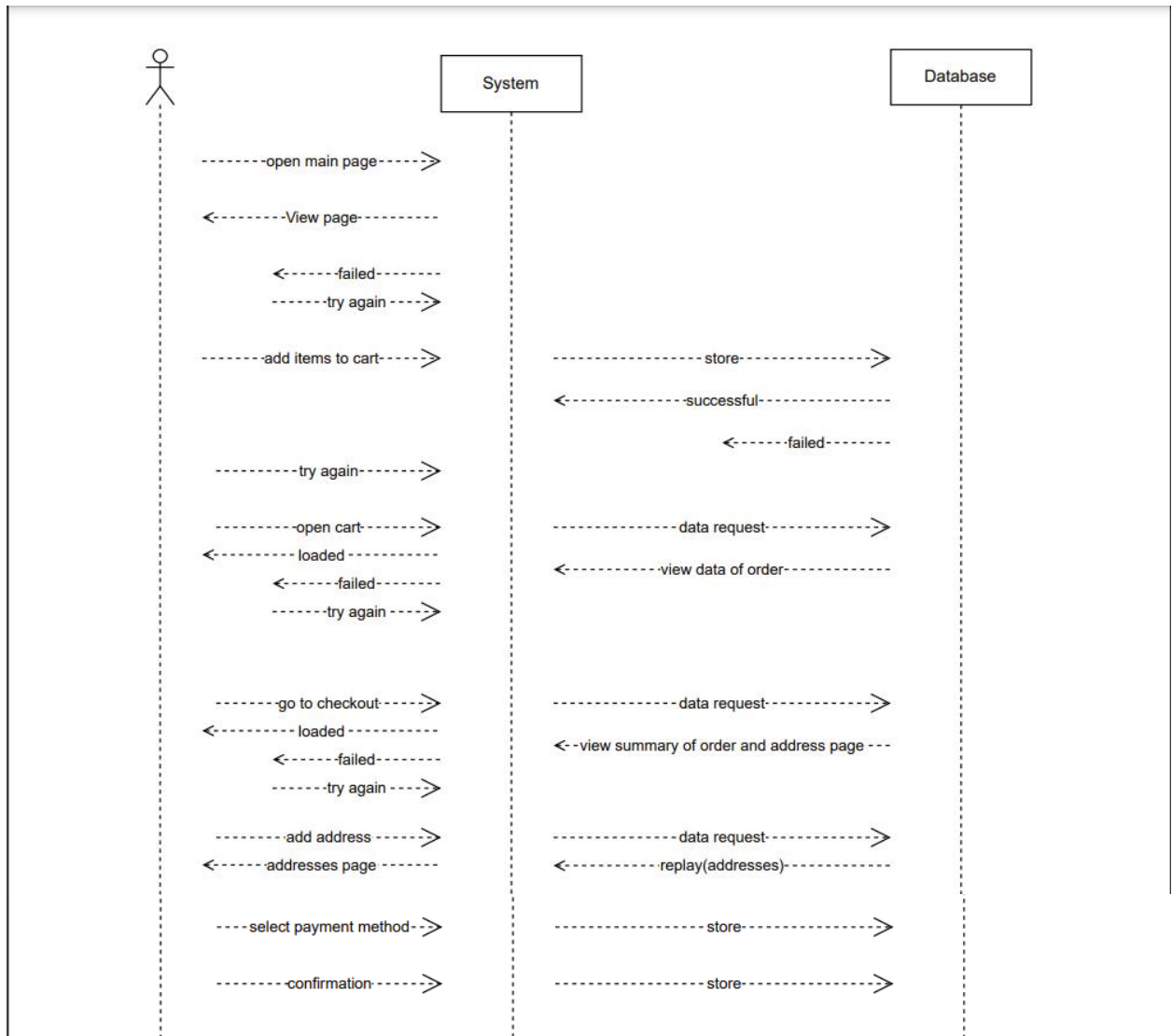


4.2 Sequences Diagrams

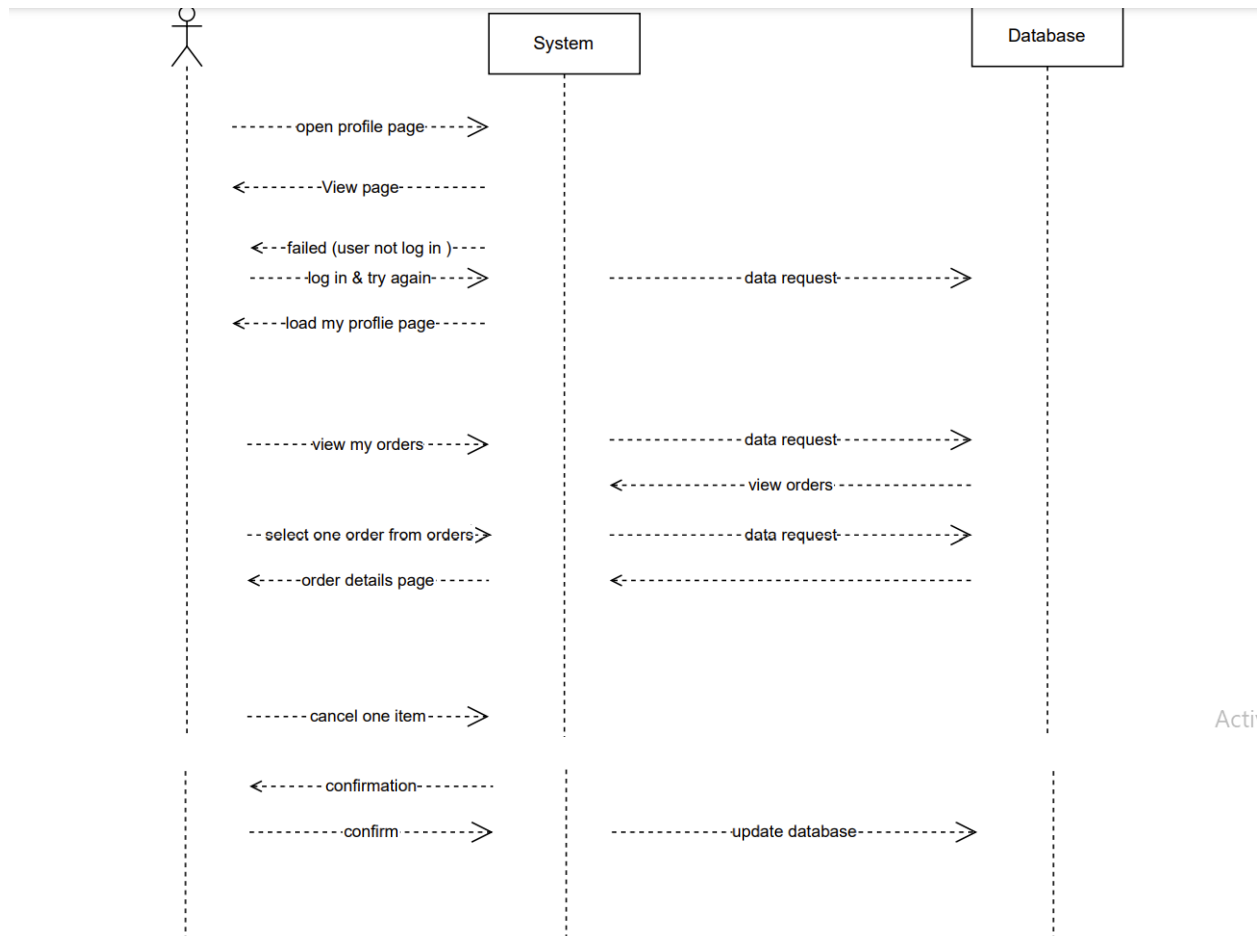
✚ Signup – Login - Forget password – Emit Service – Reset Password Diagrams



Checkout Diagram

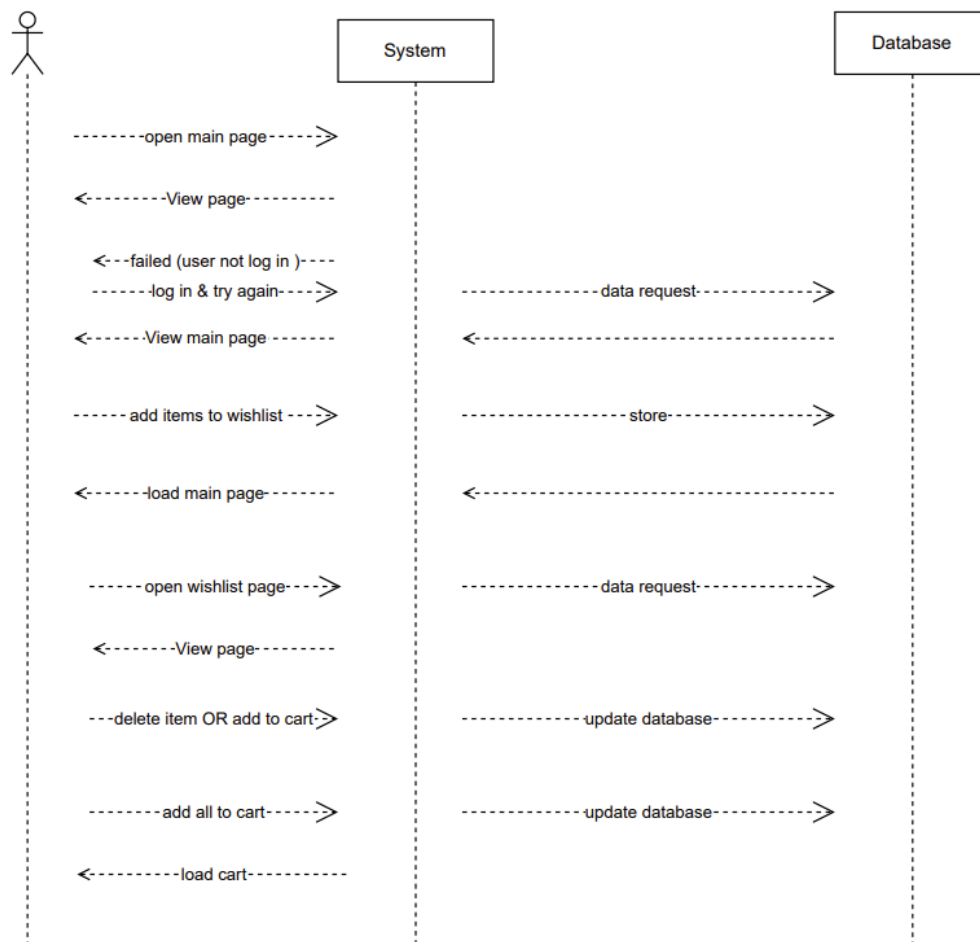


+ View Order Details and cancel Order item Diagrams

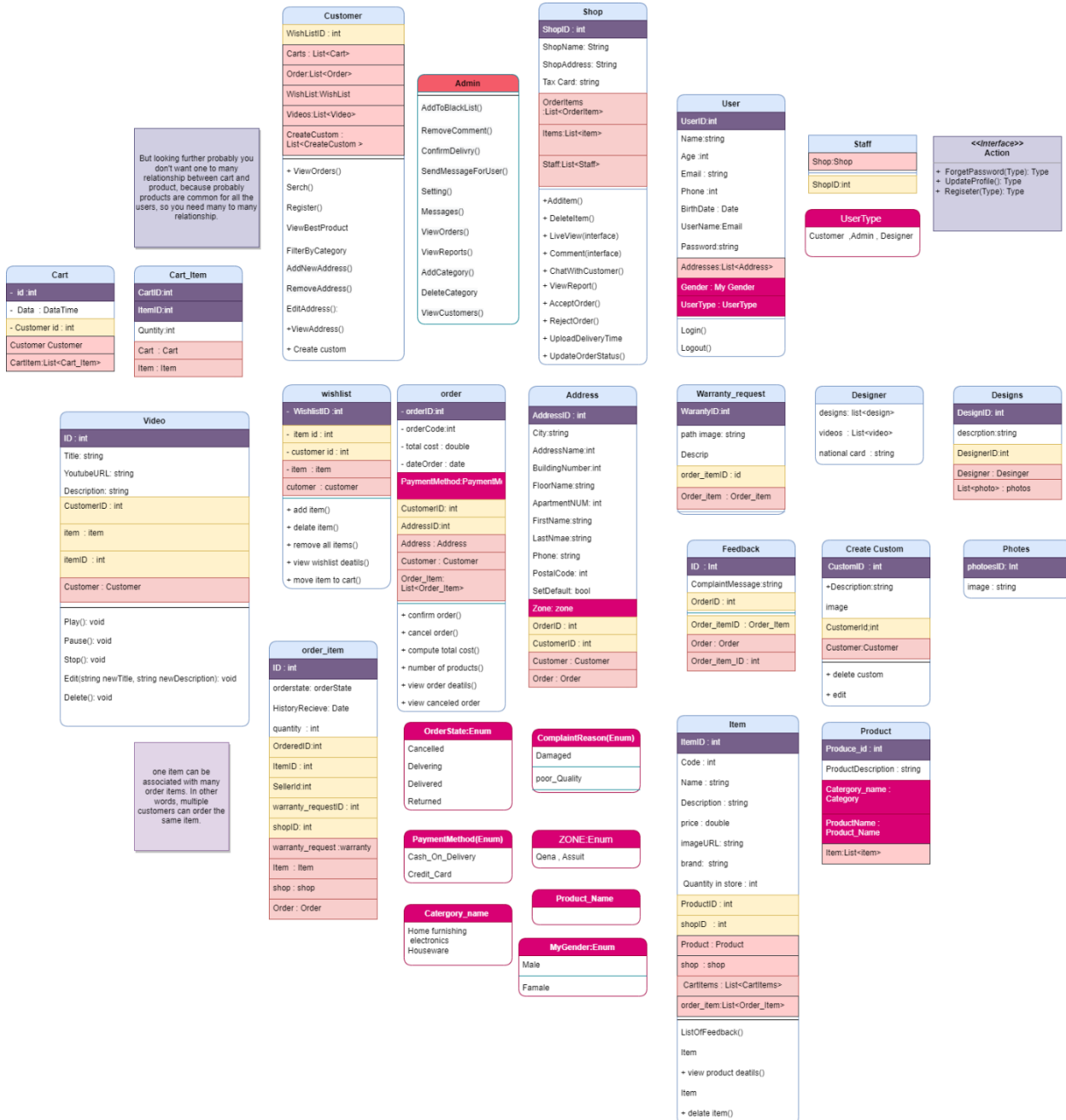


Acti

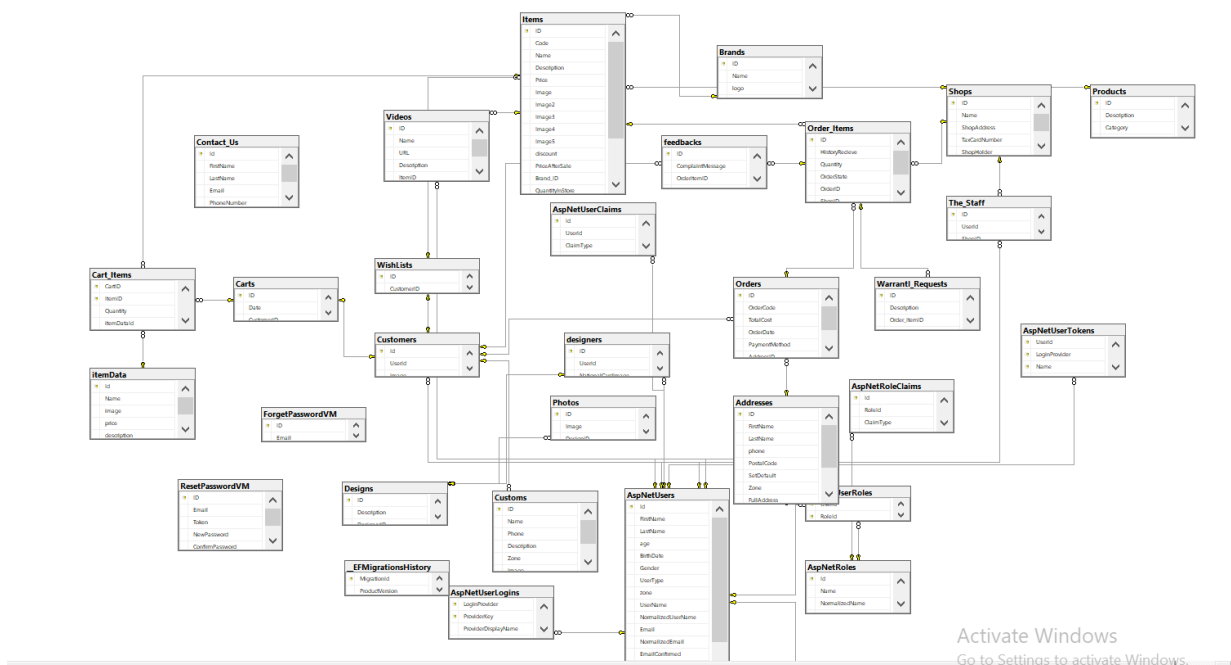
Add item to Wishlist Diagram



4.3 Class Diagrams



4.4 Models Diagrams after updated



Activate Windows
Go to Settings to activate Windows.

CONCLUSION

5.1 In conclusion

- [this SRS document](#) is used to give details online store management System.
- [In this all the functional and non-functional requirements](#) are specified in order to get a clear-cut idea to develop a project.
- [Our website is an essential tool for businesses](#) looking to expand their reach and increase sales in today's digital age.
- [By providing customers with a convenient and seamless](#) online shopping experience, businesses can attract new customers and retain existing ones. However, creating a successful e-commerce website requires careful planning and execution, including designing a user-friendly interface, ensuring website security, and providing excellent customer service.
- [Additionally, businesses must continually monitor and analyze](#) website performance metrics to identify areas for improvement and optimize the shopping experience for their customers. Ultimately, with the right approach and dedication to excellence, an e-commerce website can be a powerful asset for any business looking to succeed in the competitive online marketplace.