SUNSTONE

"E-COMMERCE WEBSITE"

Task - 1

"FOOD DELEVERY WEBSITE & APPLICATION"

Your Project Introduction

E-commerce is the application of information technology and communication technology to three basic activities related to commercial business,the three basic activities are as follows:

1.Production and support which includes assisting production ,distribution and maintanence of goods and services.

2.Transaction preparation: which includes getting product information into the market place and bringing buyers and sellers into contract with each other.

3. Transaction completion: which includes transactions,transferring payments .

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Task - 1

Creation of SRS & Github

- Create SRS : "**E-Commerce website**"
- Creation & Set-up of Github account
- Creation & Hands-on to various commands of Git Bash

Evaluation Metric:

- 100% Completion of the above tasks

Learning Outcome

- Get to know about different lifecycle models.
- Understanding importance and how to create an SRS
- Knowing various commands of Github
- Understanding agile and scrum management techniques for efficient product development

Step-Wise Description

Step 1: Set up an online platform

Step 2: Determine which products you'll sell online

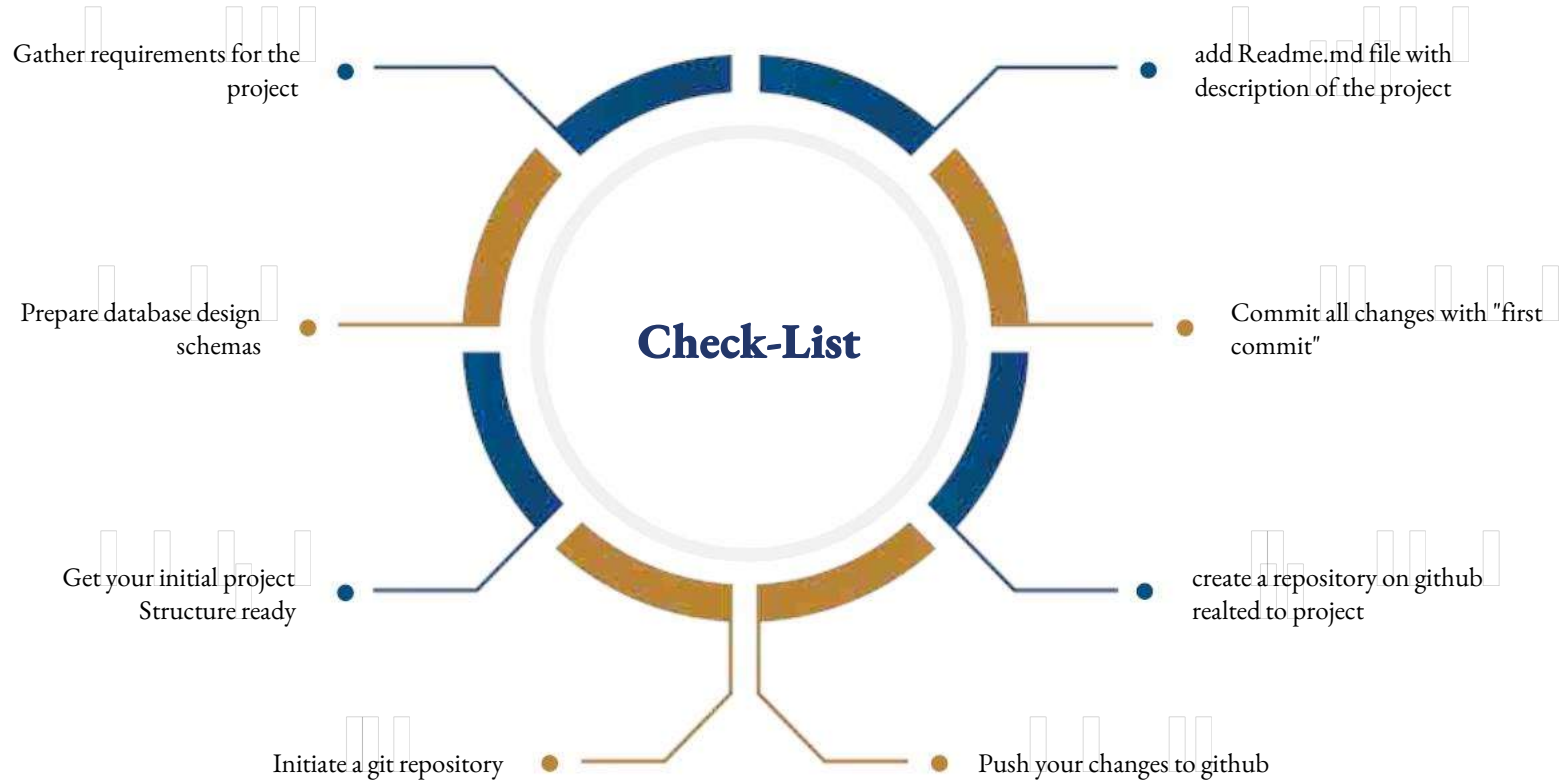**Step 3:** Diversify your payment methods

Step 4: Set up your shipping and returns functions

Step 5: Consider how you'll manage sales tax compliance

Step 6: Plan your online marketing strategy with social media

Step 7: Preview, test, and publish your store

Assessment Parameter

Check-List

Gather requirements for the project

add Readme.md file with description of the project

Prepare database design schemas

Commit all changes with "first commit"

Get your initial project Structure ready

create a repository on github realted to project

Initiate a git repository

Push your changes to github

1.Introduction

1.1 Purpose

A website that allows people to buy and sell physical goods, services, and digital products over the internet rather than at a brick-and-mortar location. Through an e-commerce website, a business can process orders, accept payments, manage shipping and logistics, and provide customer service.

1.2Document Conventions

Entire document should be justified.
Convention for Main title
    Font face: Times New Roman
    Font style: Bold
    Font Size: 14
Convention for Sub title
    Font face: Times New Roman
    Font style: Bold
    Font Size: 12
Convention for body
    Font face: Times New Roman
    Font Size: 12

1.3 Scope of Development Project

The system will be for all WordPress users whether National or International level because we are going to target as a whole. This kind of work can be done by a seo factor called keyword research where users who need our product whether searching or looking for it or from oversea.

Definitions, Acronyms and Abbreviations

JAVA -> platform independence
SQL-> Structured query Language
ER-> Entity Relationship
 UML -> Unified Modeling Language
IDE-> Integrated Development Environment
SRS-> Software Requirement Specification
ISBN -> International Standard Book Number
IEEE ->Institute of Electrical and Electronics Engineers
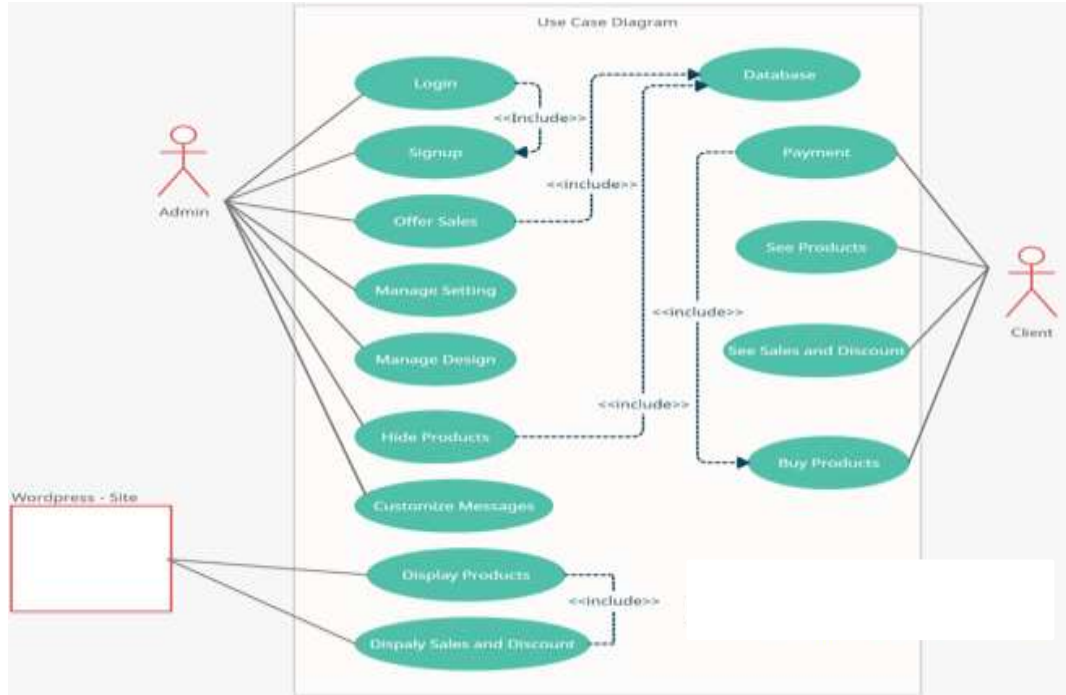
References

[1] Chaudhury, A.,(2002),"e-Business and E-Commerce Infrastructure Technologies Support the e- Business Initiative", McGraw-Hill: New York.
 [2] How stuff works, (1998), "How Domain Name Servers Work", Available at: http://computer.howstuffworks.com/dns.htm[Accessed 1March 2014].

2.Overall Descriptions
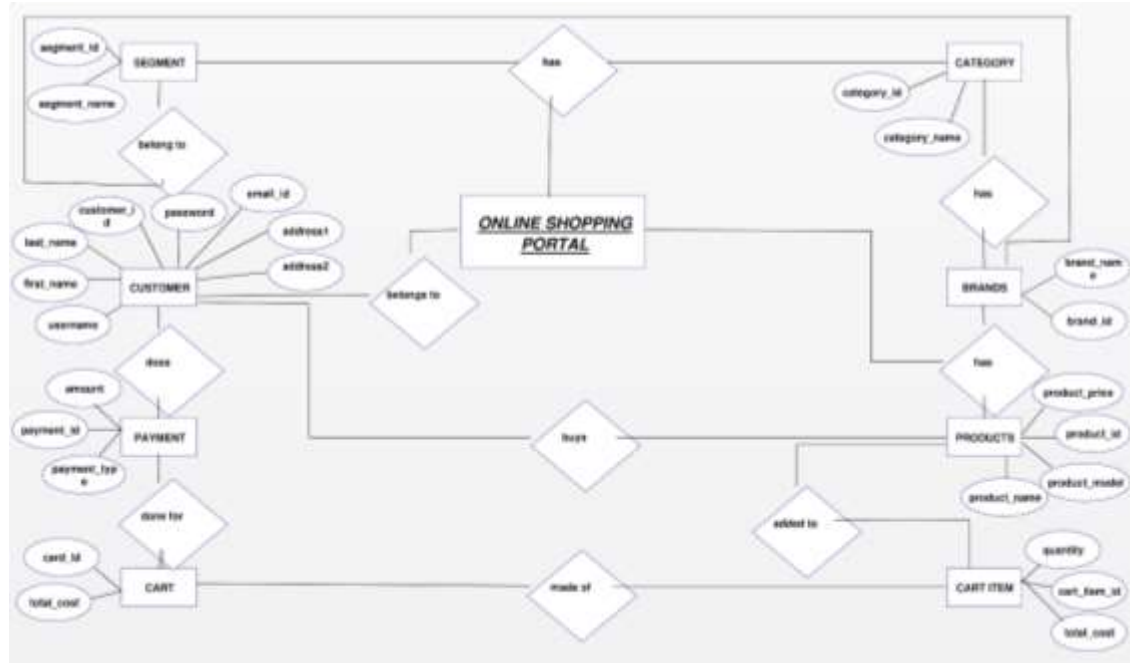
Product Perspective

Use Case Diagram of E-commers website

This Use Case Diagram is a graphic depiction of the interactions among the elements of E-commers website. It represents the methodology used in system analysis to identify, clarify, and organize system requirements of E-commers website.
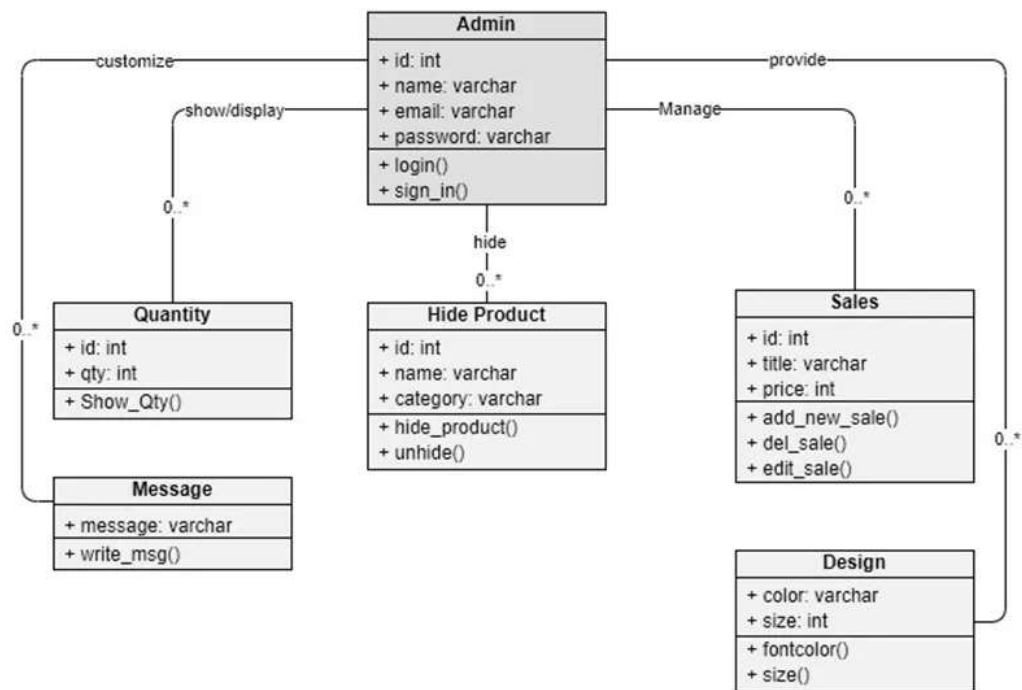
Product Function

Entity Relationship Diagram of E-commers.

The diagram explicitly explains the use of data in a centric manner to showcase the different entities in a unified format along with the sundry attributes. It shows the relation among various entities and the type of information which is needed to be exaggerated in a civilized manner. The inventory system saves the data of every transaction which is done in a day.This is the supreme entity who controls the whole system, provides troubleshoot and help whenever the error occurs in the system irrespective of the supplier or inventory entity. It adds the receiving stock in the system, manage the data of vendors

Class diagram

3.Functional Requirements:

The extension will count and display when the product is sold.

The extension will provide login details to only admin So that only admin can access that product.

The product will also display the no of days remaining of sales on a special product.

Color picker to define text and background-color

Enable item sold counter for product details page

4.Non-Functional Requirements:

4.1 Security:

It's the most important thing we are concerned with. We will provide security to our users and their valuable things.

4.2Reliability:

The product will be reliable.

4.3Availability:

The product will be flexible and have maintenance facilities.

4.4 Usability:

Our product is designed to achieve a defined goal effectively, efficiently, and satisfactorily. We measure a design's usability throughout the development process from wireframes to the final deliverable to ensure maximum usability.

4.5 Reliability:

Our project is reliable enough that will perform its intended function adequately for a specified period of time, or will operate in a defined environment without failure.

Our project is a consistent, predictable experience when used or observed. If failure or unforeseen issues occur, the user is not left with a poor experience such as an ugly "Page not Found" error, or a blank screen with a spinning automated image

5 . Technical Requirements:

5.1 Backend

 Develop the backend using Java.

By Use a relational database (e.g., MySQL Implement REST ful) for data storage.

APIs for communication between the frontend and backend.

5.2 Frontend

Develop the frontend using HTML, CSS, JavaScript, and React.js.

 Ensure cross browser compatibility.

 Implement responsive design for mobile devices.

6. Conclusion:

This Software Requirement Specification (SRS) serves as a foundational document for E-COMMERCE website project. It should be continually updated and refined as the project progresses and requirements evolve.

Many of the business are converted in to online system. So these business need website that identify them. So the owner of the website need some extra functionality to enhance their business and can engage customer to their website to generate more sales.

The main issue that the website owner face is that how to manage each sales of his business product while there ' s thousands of transactions are there.

Similarly, they also need some more functionality as we have provided like website owner can show sales that he want to put on specific product so that customer get the same environment while shopping from ecommerce store as he feel in the market.

Submission Github

https://github.com/Chenosa/NM-DSCET

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Thank You!