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|  | **E-Commerce Web Application**  **Technical Design Document** |
| |  |  |  |  | | --- | --- | --- | --- | |  | **Prepared By / Last Updated By** | **Reviewed By** | **Approved By** | | **Name** | Vikash Kumar Rai |  |  | | **Role** |  |  |  | | **Signature** |  |  |  | | **Date** |  |  |  | |
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# Introduction

## Purpose of this document

The purpose of this document is to document the technical design, component details and Database design. This will also capture the scope, assumptions, risk, dependencies of this project.

## Project overview­­

*This project aims to design and develop a robust and user-friendly e-commerce website to facilitate online buying and selling activities. The platform will provide a secure and efficient online marketplace for users to explore a wide range of products, make purchases, and manage their transactions seamlessly. Key features include a responsive and intuitive user interface, secure payment gateways, inventory management, order tracking, and personalized user accounts. The development process will incorporate modern web technologies to ensure scalability, performance, and a positive user experience. The project seeks to meet the growing demands of online consumers by creating a dynamic and reliable e-commerce platform.*

# Solution Summary

## Scope

*<This sub-section shall state the scope of this detailed design document>*

## Assumptions

*<This sub-section shall state the assumptions of this detailed design document>*

## Dependencies

*<This sub-section shall state the dependencies for this project>*

## Risks

*<This sub-section shall state the risks predicted for this project>*

# Schematic Diagram

A schematic, or schematic diagram, is a representation of the elements of a [system](https://en.wikipedia.org/wiki/System) using abstract, graphic [symbols](https://en.wikipedia.org/wiki/Symbol) rather than realistic pictures. It gives an overview of overall system

A diagram of a person

Description automatically generated

# System Design

## Proposed design

*<This sub-section shall elaborate the high-level design for this project>*

## Component inventory

*<This sub-section shall list the components for this project>*

# Database Design

## Data Model

A screenshot of a computer

Description automatically generated

## Tables Structure

*<This sub section will describe the table structure>*

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Length** | **Nulls** |
|  |  |  |  |

# Appendices

## Glossary

|  |  |
| --- | --- |
| **Acronyms** | **Definitions** |
|  |  |

## Other

# Terms & Conditions

***Disclaimer: Please do not circulate or distribute this document outside of Cognizant Network, We have a Zero Tolerance Policy. Kindly adhere to 100% Compliance at all times.***

# Change Log

*Please note that this table needs to be maintained even if a Configuration Management tool is used.*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Version Number | Changes made | | | |
| V<n.n> | *<If the change details are not explicitly documented in the table below, reference should be provided here>* | | | |
| Page no | Changed by | Effective date | Changes effected |
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