

# SYNOPSIS

**ON**

**ECOMMERCE**

**Using**

**react**

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INTRODUCTION

An e-commerce website, by definition, is a website that allows you to buy and sell tangible goods, digital products or services online. Trade, be it barter exchange or buying and selling of goods and services has been prevalent for centuries. No one can be self-sufficient.

An ecommerce platform is a software application that lets you set up an online store and manage its marketing, sales, and operations.

There are 3 main types of [ecommerce platforms](https://www.bigcommerce.com/articles/ecommerce/ecommerce-platforms/) on the market:

1.Open source.

2.SaaS.

3.Headless commerce.

EXISTING SYSTEM

PROBLEMS IN THE EXISTING SYSTEM:

PROBLEMS IN THIS EXISTING SYSTEM

• It is limited to a single system.

• It is less user-friendly.

• It is having lots of manual work (Manual system does not mean that you are working

with pen and paper, it also include working on spread sheets and other simple

software's).

• The present system is very less secure.

• It is unable to generate different kinds of report.

• User must go to shop and order products.

• It is difficult to identify the required product.

• Description of the product obtained only on manually.

• Accuracy not guaranteed.

• Not in reach of distant users.

SOLUTION OF THESE PROBLEMS

The development of the new system contains the following activities, which try to

automate the entire process keeping in view of the database integration approach.

• User friendliness is provided in the application with various controls.

• The system makes the overall project management much easier and flexible.

• It can be accessed over the Internet.

• Various classes have been used to provide file upload and mail features.

• There is no risk of data mismanagement at any level while the project development is

under process.

• Report generation feature is provided using Crystal Reports to generate different.

kinds of reports like bar graphs, pie charts and table type charts etc.

It provides high level of security using different protocols like https etc.

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USE OF THE

PROJECT

1> The online sellers can get a wide range of customers from around the globe.

2> Sellers can get feedback for their services to improvise and boost their services.

3> The seller and the consumer can interact with each other regarding the products or services.

4> The consumers can get the details of the product you sell and your brand story .

5> It saves considerable time for the consumers; no endless walking to find products, no waiting for billing.

6> Consumers can purchase online from anywhere at any time using our ecommerce website.

7> Our websites help in marketing the products with detailed product descriptions, high-quality product images and videos, rich content, and sleek designing.

8> With the use of cookies, we can collect consumer data including the demographics that can be used for target marketing.

9> We can add unlimited products to our ecommerce website and categorize them to sell efficiently.

10> An ecommerce website can be responsive to provide customer convenience.

FEASIBILITY OF PROJECT

Preliminary Product Description

The first step in the system development life cycle is the preliminary investigation to determine the feasibility of the system. The purpose of the preliminary investigation is to evaluate project requests. It is not a design study nor does it

include the collection of details to describe the business system in all respect.

Rather, it is the collecting of information that helps committee members to evaluate the merits of the project request and make an informed judgment about the feasibility of the proposed project.

Analysts working on the preliminary investigation should accomplish the following objectives:-

•Clarify and understand the project request

•Determine the size of the project.

•Assess costs and benefits of alternative approaches.

•Determine the technical and operational feasibility of alternative approaches.

•Report the findings to management, with recommendations outlining the acceptance or rejection of the proposal.

Benefit to Organization

The organization will obviously be able to gain benefits such as savings in operating cost, reduction in paperwork, better utilization of human resources and more presentable image increasing goodwill.

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The Initial Cost-

The initial cost of setting up the system will include the cost of hardware software (OS, addon software, utilities) & labor(setup & maintenance). The same has to bear by the organization.

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Running Cost-

Besides, the initial cost the long term cost will include the running cost for the system inducing the AMC, stationary charges, cost for human resources, cost for update/renewal of various related software.

FUNCTIONAL SPECIFICATION

1. Third-Party Integrations

2. Web-Friendliness

3. Product Attributes

4. Order & Checkout Flow

5. Social Sharing

**SOFTWARE SPECIFICATION:-**

Technology Implemented: React, Redux, Firebase, Node, MongoDB

Language Used: HTML, CSS, JAVA SCRIPT

Database: Firebase

User Interface Design: Bootstrap Framework

Web Browser: Google Chrome, Mozilla Firefox

# HARDWARE REQUIREMENTS:-

Processor: Intel Core i5

Operating System : Windows

RAM : 4 GB

Hardware Devices: PCs, Laptop

Hard disk: 64 GB

Display: 1920 \* 1080

FUTURE SCOPE

In the foreseeable future, e-commerce will be confirmed as the major tool of sale for the goods and services. ... Thus, prevailing to future trends, e-commerce will have huge potential growth in sales and promotion. Each year, there is a continuous growth in e-commerce deals

Reduce recurring cost while hiring virtual support resources.