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SMALL BUSINESS ASSISTANT

" Makes management easy "

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INTRODUCTION

Inventory Management System

An inventory management system (or inventory system) is the process by which you track your goods throughout your entire supply chain, from purchasing to production to end sales. It governs how you approach inventory management for your business.

Each company will manage stock in their own unique way, depending on the nature and size of their business.

Inventory Management System

- An easy-to-use interface that doesn't require advanced training, support or documentation.
- Automation for eliminating manual processes of business functions related to inventory management.
- A reliable, secure database that provides accurate, real-time data.
- Performance that enables fast, actionable inventory monitoring and control.
- The ability for administrators to easily add software modules with minimal configuration so that the system is scalable.
- Software integrations and automated features that minimize manual inventory updates or inputs.

OUR OBJECTIVE : Aim to provide business solution to our targeted customer using present day technology

OBJECTIVES

MATERIAL AVAILABILITY

BETTER CUSTOMER SERVICE

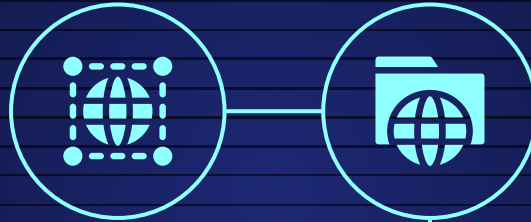MINIMUM WASTE & LOSS

MAINTAINING SUFFICIENT STOCK

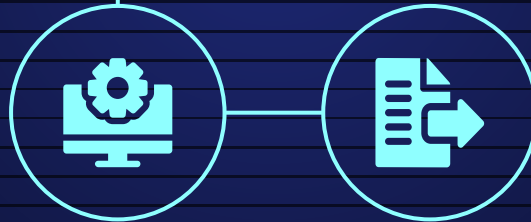OPTIMIZING PRODUCT SALES

COST - EFFECTIVE STORAGE

IDEAL INVENTORY MANAGEMENT SYSTEM

Multiple Attributes for a product.

Branch - wise / serialised stock control

Multi location inventory control .

Booking or reservation of stocks

PROBLEM STATEMENT

- How does a business owner keep a track of important details about their product
- Keep a track of sales of different products
- Gives a easy portal for business owner to make decisions like what is quantity of stock in different products and sales rate of their individual products based on their inventory

- So as per our problem statements, we aim to provide business solution to our targeted customer using present day technology
- Small business assistant is a web-based application using many technologies for its development
- In the end our product is meant to provide a easy way managing a business .

LITERATURE REVIEW

From the following journal based on IMS
http://www.ijqr.net/journal/v2-n3/8.pdf
We conclude that :
• IMS has become inevitable for SMEs,
• Management and internal efficiency are improved,
• By implementation of IMS the conditions for reduced costs are reached,
• External advantages are achieved (competition benefit, market position and relationship with customers as result of better quality, better performances in the view of environment, health and safety).

PROPOSED WORK AND METHODOLOGY

- Customer can record new entry in its inventory and will be able to see able to see details like date of entry and life of product
- Customer will be able to see total profit, he will gain after he have sold all of its product in inventory
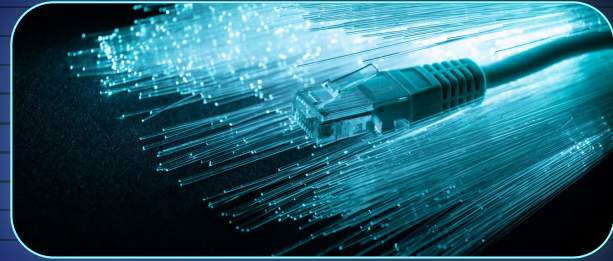- At month end customer can get a file of all sales he had that month

REAL TIME USAGE

- As our customer base will be of small and medium businesses we have seen a lack of good IMS in market with reasonable price
- Our product uses open source frameworks and technologies to reduce the cost of deployment in commercial purpose and its business model would be different from other .
- Now as most of IMS are costly our can be of 0 cost or subscription based model.
- The money making capacity comes when customer base increases and we are able to trade data as our source of income.

HARDWARE & SOFTWARE REQUIREMENTS

- Processor: Intel Quad core 1.7 GHz Processor or above.
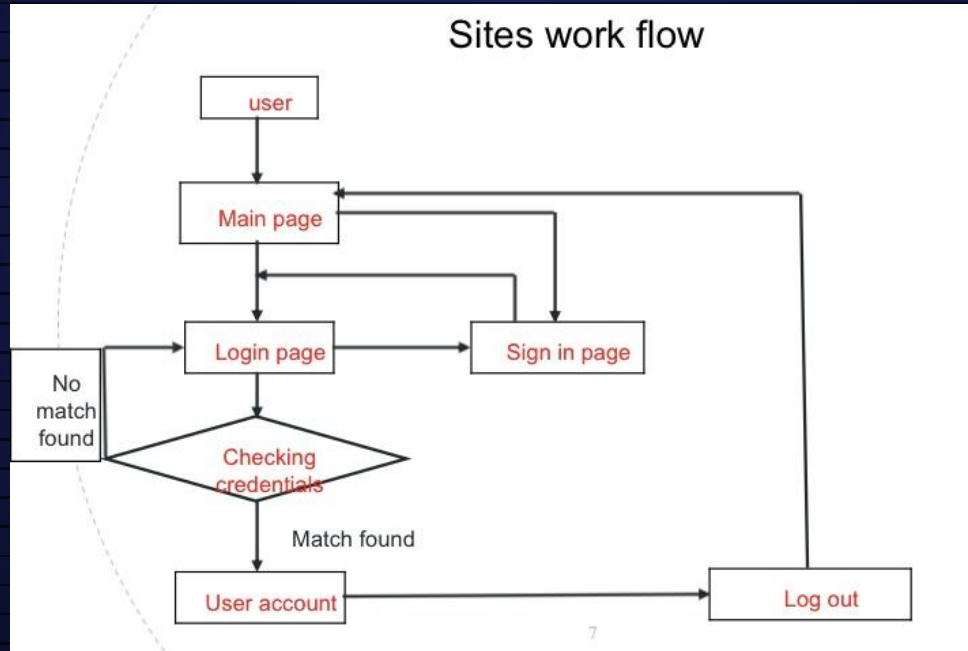- HD: Minimum 10 GB of HD

HARDWARE

SOFTWARE

- OS: Windows 10/11
- Server : Localhost
- Framework : django

OVERALL ARCHITECTURE DIAGRAM

Sites work flow

COMPLETE MODULE SPLIT-UP

REVIEW 1

Basic framework of our small business assistant using Inventory Management System (IMS) via presentation.

REVIEW 2

Live setup of front end and back end of the required website using pure coding.

REVIEW 3

Complete setup of website implementation using the given idea.

LIMITATIONS

Our skills

Our knowleadge doamin is small but we are dreaming big
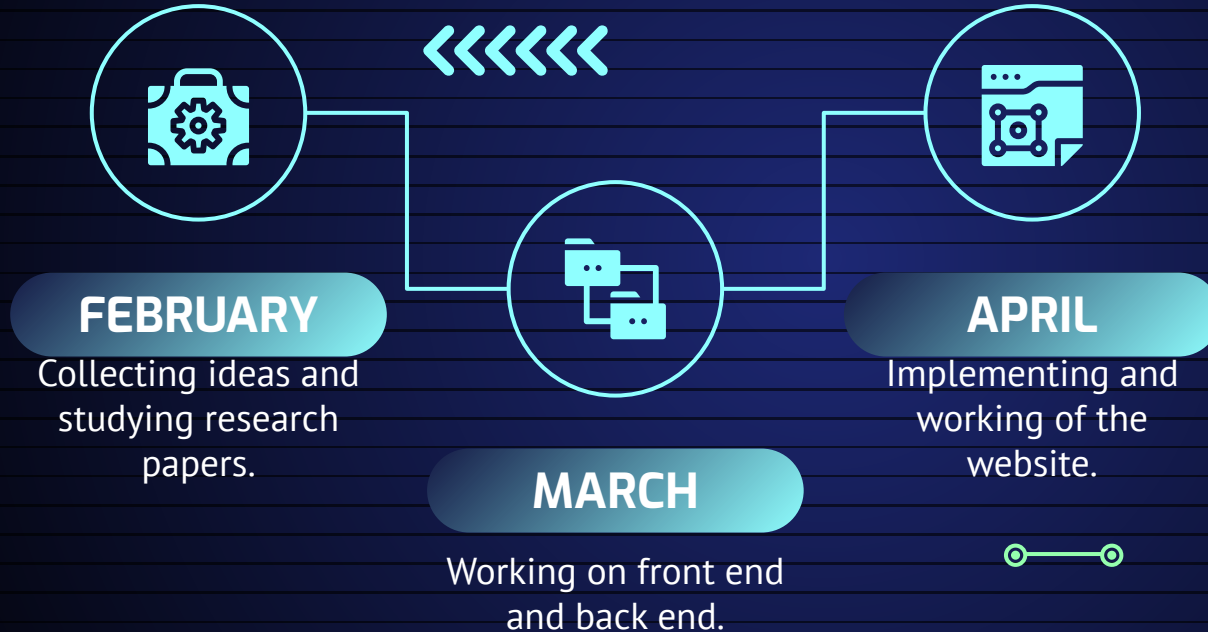
COMPLEXITY

The process of deploying a live site with dynamic data base handling push us to cut some features

BUSINESS RISK

Although the management system helps the business in eliminating many kinds of risk, even after using the system, the business is open to many other risks.
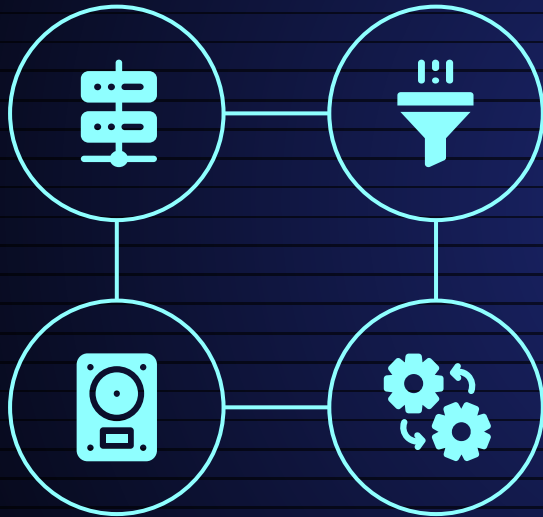
PROJECT TIMELINE CHART

FEBRUARY

Collecting ideas and studying research papers.

MARCH

Working on front end and back end.

APRIL

Implementing and working of the website.

TECHNOLOGY CHART

WEBSITE

Front End

HTML , CSS ,
JAVASCRIPT , BOOTSTRAP ,
DJANGO , FLASK

Back End

PHP , SQL , SQL -LITE ,
SQL++

REFERENCES

Reference 1

https://www.scoutsft.com/blog/top-inventory
-management-companies/

Reference 2

https://pactsoft.com/india/module
-inventory-management/

THANK YOU !