Assignment no.01

I] Define a problem Statement.

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A common problem that every medical shop faces is that of keeping proper inventory or stock of medicine/drugs. There are many different reasons for not having proper inventory management such as, overstocking, public demand, public's choices, shortage of drugs, etc. As this problem affects the availability of essential medicines for patients and people inneed. Also it affects the business as the shop owner losses profit. Balancing inventory should be done and should involve tracking product, expiry date, etc. As it is very important problem, it should be resolved with a proper solution.

2.A] Execute Summary Snapshot:-

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A proper inventory in every medical shop is essential, to make sure the availability of nessecary medication and drugs while minimizing waste and controlling the supply cost.

By Analysing the data collected from the medical shops, it can be seen that medical shops are unable to keep track of expired medications, mismanagement of stock, lack of required medication, lack of stock during certain seasons, etc. and as of now there are no company that helps in dealing with this problem.

B. Description:

As of till date there is not much we have, but we need to develop a app or a website which helps the medical shops to manage the stock and keep right amount of drugs in stock. The tool we create can keep track of medication's expiry date, it's uses, availiabity in the shop, shortage of stock and much more. Even today we do not have a app or website to do such things, and deals with the problem and it has high potential as it take time for shop owners to check every stock in the shop.

Q.3] Prepare Project Description:
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The project aims to develop a suitable website or app that will provide medical shops with a proper system and efficient platform for managing the inventory in shop. As this will serve all-in-one solution for keeping proper record of all medicine and drugs, healthcare products, tracking stock levels, and streamlining the re-ordering process and much more.

We can integrate real-time inventory tracking which will help the users to monitor the stock in real-time, providing a up-to-date view of all the product available in the shop, which can include quantities, batch number, and expiry date.

A alert will go to user when the stock is low of a certain product. The system will automatically send an alert when stock of any product is low, thus help the owner of the shop keeping it in stock and avoiding stockouts.

As privacy is very important we need to keep the data encrypted as it is a sensitive information of medicines and durgs which will help the owner providing a safe environment.

Why this project?

As of now there are no website or app that deals with inventory management of a medical shops and by developing such a tool, it would be very helpful and the owners of the shops can manage their stock properly while keeping a proper record.

* Project Scope:

As it helps in managing the stock in the medical shops, it has a high scope as it provide a perfect tool for the shopkeeper's need. Along that there are no compilitors in this field, which will give us an headstart advantage, to grow the tool. As well it has potential for other types shops like, graeзy store, book store, malls, etc.

* Project Goals:

1] Enhance inventory management efficiency.
2) Product availablity
3] Maintaing accurate records.
4] Improve Desicion making with data analytics.
5] Increase Efficiency
6] Provide user-friendly experience
7] Ehance security and Data Protection.
8] High customer satisfaction

* Important tasks:

1] Requirement gathering and analysis.
2] System designing
3] Inventory management module
4] Low Stock alert system.
5] Reporting and analytic of the medicines
6] Testing, hosting and deployment.
7] User feedback.

* Deliverabks:

1] Functional requirements like inventory management systems, Dashboard, search and filtering, order management, backups, user management, reports, notification System are to be done.

2) Non-functional requirements like security, scalability, performance, User interface (UI), documentation etc.

3] Design and Development like front-end, back-end, testing, wireframes, mockups, prototypes.

Cost:

The cost of developing tool like such will include designing, development, marketing, testing, servers, planning and analysis, deployment, maintaince, documentation and overall things will cost upto 3.5 Lakh to 6 Lakhs.

* Deadline.

As it is a system which stores, collects, analyize the data and provide the output to the user it would take 4-to 6 months for the development.