

Feasibility Study Report

Project Title:- Website for online Medicine Shop

1. Introduction:-

1.1. Overview of the Project:-

People need medicine when they become sick and unable to enjoy their normal life. People have to go to the pharmacy to buy medicine. But sometimes they can't get the proper medicine due to the lack of easy availability. So, the patient has to search for the desired medicine in every shop which wastes their time and energy.

Online Medicine shops will give the opportunity to buy proper medicine sitting at home without any trouble. There are many medicine shops in every city but online medicine shops are very rare. In this, The seller can manage the shop, store the details and relevant information of the medicine and sell the medicine in one system easily. The customer can see, search, buy medicine and give reviews about the service quality on this website. So, online medicine shops will create a convenient way of selling and buying medicine and will make our life easier.

1.2 Objectives of the Project:-

- Manage the details of customer, vendor, medicine, stock, order.
- The Sellers can easily sell the medicine and preserve the records.
- Profit Will be high also
- Easily Manage medical shop from anywhere at anytime

1.3 The Need for the Project:-

1. People need medicine when they become sick and unable to enjoy their normal life. People have to go to the pharmacy to buy medicine. But sometimes they can't get the proper medicine due to the lack of easy availability.
2. To increase the productivity of medicine it's easy for sellers to manage the shop from anywhere.
3. Also Helpful for patient in emergency they can get medicine on urgent basis

1.4 Overview of the Existing System and Technologies:-

Existing system is very complicated to keep track of all registers and handle them manually. As well as this work is time consuming & also expensive in this system report work may be not accurate and not fastest. To avoid all these limitations and make the working more accurately the system needs to be computerized

Drawbacks of the existing system

- Time consuming
- More expensive
- Searching problem
- Maintains problem of all registers
- Less accuracy
- Display multiple reports

1.5 Scope of the Project:-

It may help collect perfect management in detail. In a very short time, the collection will be obvious ,simple and sensible. It will help a person to know the management of the past year perfectly and vividly. It will also reduce the cost of collecting the management and collection will go on smoothly.

- To utilize resources in an efficient manner by increasing their productivity through automation.
- The system generates types of information that can be used for various purposes.
- It satisfy the user requirement
- Be easy to understand by the user and operator
- Be easy to operate
- Have a good user interface
- Be expandable
- Delivered on schedule within the budget.

Main actors of this system

- Patient / Customer
- Medical Shopkeeper

2. Feasibility Study:-

2.1 Operational Feasibility:-

"This feasibility test asks if the system will work when it is developed and installed.

Operational feasibility in this project are:

- The proposed system offers a greater level of user-friendly lines.
- The proposed system produces best results and gives high performance.
- It can be implemented easily. So the project is operational feasible.

2.2 Technical Feasibility:-

Project is a web based application. The main technologies and tools that are associated with project are

Front-end Language: HTML, CSS, JavaScript, JQuery

Back-end Language: C#

Database: MY SQL

Frameworks : Bootstrap, ASP.NET

IDE: Microsoft Visual Studio

Diagram Drawing tools:- GitMind , Rational Rose , Lucid Chart

Project Management Tools: Monday , Trello

2.3 Resources and Time Feasibility:-

Resource Feasibility:-

Resources that are required for the project development includes,

- Programming device (Laptop/desktop)
- Hosting space (Freely available)
- Programming tools (freely available)
- Programming individuals

So it's clear that the project has the required resources feasibility.

2.4 Risk Feasibility:-

Risk feasibility can be discussed under several contexts.

Risk associated with size:-

Estimated size of the project in line of codes:

Begin a web application with many number of stakeholders, project will contain significant amount of code lines. As the system doesn't contain any multimedia aspect, the file sizes and the complete project size will not exceed more memory space.

Estimated size of product in number of programs:-

Though the application supports many stakeholders, it will be constructed as a single web application with a single login page rather than having many sites for different users. Depending on the access rights, the contents will be shown or hidden.

Users of the application:

- Patient / Customer
- Medical Shopkeeper

3. Consideration:-

Performance:-

Project requires a very low bandwidth, hence the performance will not degrade with an increasing number of potential users. At the development stage, free hosting service will be used. But when installing the system to a real world environment, it will be hosted in a much more reliable server to increase the performance.

MySQL will provide the adequate speed for database transactions.

Since no big data analysis is done, MySQL is the ideal database for the project.

- Response time:- less than 2 sec
- Processing time: less than 2 sec
- Query and reporting time: yet to be tested
- Throughput:- yet to tested
- Storage:- yet to be tested

Security:-

Security measures are provided in many aspects in this system

User authentication:

Users will have to authenticate using the usernames and passwords. Depending on the access level each user will gain functionality of the system. Passwords can be changed by the user.

Login details:

Each user's login time and logout time will be recorded in the system, to make the tractability process easy in case of a faulty action

Usability and case of use:-

Users will be provided with a complete user manual as a pdf. The interfaces are designed to make it easy for any potential user to get familiar with the system within less time.

Maintainability:

The online medical store is being developed in web based software. The Languages we are using to develop the software at the front end are HTML, CSS, JavaScript, and JQuery. In the Back end we are using C#. For Databases we are using MySQL. It shall be easy to maintain the Software.

4. References:-

https://www.google.com/search?q=financial+feasibility+for+online+medical+shop&rlz=1C1ND CM_enIN875IN875&oq=financial+feasibility+for+online+medical+shop&aqs=chrome..69i57j33i160.12609j0j7&sourceid=chrome&ie=UTF-8