SYNOPSIS

ON

SW Medication

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INTRODUCTION

Charity is an act of kindness, where a person who has financially more than enough of what he or she needs contributes a part of his or her surplus income for the fulfilment of the needs of those who are less capable. So, keeping this idea in mind we have designed this project in which we help needy to find supplies related to pharmacy products.

Getting donor is a very hard task, and sometime dealing with some donor's conditions can be a big challenge for NGOs to fulfil it. This SW Medication (charity management system) will help to find donors easily. This system has three modules namely, Admin, Buyer and Donor.

Admin can login using credentials and manage the requests raised by buyer by approving or rejecting it. Approval will be done after verifying the buyer documents uploaded by buyer. Buyer can register and raise request by uploading their required specifications.

Once admin gets the approval, they can login using credentials. Donor can simply register and login using credentials.

EXISTING SYSTEM

SW Medication Project consists of various use cases but mainly concerned with to provide free best quality medicine to the needy users and also allow them to donate medicines , medical equipment and medical services for social welfare in a user friendly way.

Main Technologies associated with SW Medication are :-

- Web Programming Technologies (HTML , CSS , JavaScript , Bootstrap , JQuery)
- MERN Stack Technologies
- MongoDB (Database)
- UX / UI (Canva , Figma)

USE OF THE PROJECT

- User can view details of the medicines without going anywhere.
- It is convenient for users as this system provides accurate cost or about freely available things and description of the system.
- The website is flexible to be used and for e-shopping for products that were not completely free.
- User can view different categories of product of different pharma company at a single place.
- It is an NGO based website so it will get donors easily.
- Donor can donate few things to needy people just by sitting at home.
- It will help people in need and without any money to shop freely, there may be travelling charges.

FEASIBILITY OF PROJECT

Financial Feasibility :-

Being a website SW Medication will have an associated hosting cost . Since the System doesn't consist of any multimedia data transfer , bandwidth require for the operation of this website is very low.

The system will follow the freeware software standards . No cost will be charged from the potential customers. Bug fixes and maintaining tasks will have an associated costs . At initial stage the potential market space will be local market , nearby areas .

There will be many benefits for the customers , especially the extra effort that is associated with paper marketing will be significantly reduced while the effort to create descriptive report will be eliminated since report generation is fully automated .

From these it's clear that the project SW Medication is financially feasible.

Technical Feasibility :-

Project SW Medication is a complete web based software . The main tools and technologies associated with SW Medication are :-

- HTML
- CSS
- Java Script
- Bootstrap
- MERN Stack
- Canva

Each of the technologies are freely available and technical skills required are manageable . Time limitations of the product development and the ease of implementing using these technologies are synchronized.

Initially website will be hosted in a free web hosting space but for later implementation it will be hosted in paid web hosting space with sufficient bandwidth .

From these it's clear the project SW medication is technically feasible .

Resource and Time Feasibility : -

Resource that are required for the SW Medication project includes ,

- Programming device (Laptop , PC , Mobile)
- Hoisting Space (freely available)
- Programming tools (freely available)
- Programming Individuals

So its clear that the project SW Medication has required resource feasibility .

Risk Feasibility :-

Risk feasibility can be discussed under several contexts .

Risk associated with size

- Estimated size of product in line of codes
- Estimated size of products in number of programs
- Size of database created or used by the product
- Users of the product
  - Local People
  - Medicine Shop Owners
  - Medicine wholesale suppliers
  - Healthcare Persons

Business impact risks

- Effect of product on company revenue
- Reasonableness of delivery deadline
- Number of customers who will use product and the consistency of their needs
- No of other systems with which product will be interoperable
- Cost associated with delivery

Customer related risks

- SW Medication is a general type of product (not designed for single person) . Before implementing the system for general use their will be some basic modifications required.

Process issue risks

- SW Medication will follow the RUP software development process . This provide flexibility to accommodate changing software requirements .

Technical issue risks

- Any specific conventions for code documentation defined and used ?
  Software code will be freely available and code documentation will be provided
- Any configuration management tools use to control and track changes ?
  GIT will be used throughout the software implementation process.

Technology risks

- Is technology to be built new ?
  All the technologies are very well established and old enough (but not obsolete).

- Do system requirements demand the creation of new algorithms , input or output technology ?
  SW Medication will have several algorithms with various built in features so any new changes will be told earlier .

SOFTWARE SPECIFICATION

- Technology implemented : MERN Stack
- Language used : HTML , CSS , JavaScript , Bootstrap
- Database : MongoDB
- UserInterface Design : Figma
- Web Browser : Chrome , Firefox , MS Edge

HARDWARE REQUIREMENTS

- Processor : i3 , i5
- Operating System : Windows 10
- Ram : 8 Gb
- Hardware Devices : Laptop
- HardDisk : 1 Tb
- Display : 15.6 inch

Future Scope

The further modification of the project is to create or expand in such way that it can be used by everyne easily . It can be extended to more security using various levels of authentication and verification more security and privacy issues can be maintained by using various aspects .

We will add more categories in upcoming future !!