

A REVIEW OF REQUIREMENTS ENGINEERING PROCESSES OF “ONLINE MEDICINE SHOP”

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Abstract:

The purpose of Online Medicine Shop is to automate the existing manual system by the help of computerized equipments and full-fledged computer software, fulfilling their requirements, so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same. The required software and hardware are easily available and easy to work with.

The aim of this project is to automate its existing manual system by the help of computerized equipments and full-fledged computer software, fulfilling their requirements, so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same. Basically the project describes how to manage for good performance and better services for the clients.

Keywords:

Elicitation problem, prevailing, hardships, manipulation, full-fledged, stakeholders.

Introduction:

The “Online Medical Shop” has been developed to override the problems prevailing in the practicing manual system. This software is supported to eliminate and in some cases

reduce the hardships faced by this existing system. Moreover this system is designed for the particular need of the company to carry out operations in a smooth and effective manner.

The application is reduced as much as possible to avoid errors while entering the data. It also provides error message while entering invalid data. No formal knowledge is needed for the user to use this system. Thus by this all it proves it is user-friendly. Online Medicine Shop, as described above, can lead to error free, secure, reliable and fast management system. It can assist the user to concentrate on their other activities rather to concentrate on the record keeping. Thus it will help organization in better utilization of resources.

Requirement Engineering Process:

1) Elicitation problems:

- a) Understanding large and complex system requirements is difficult
- b) Identifying critical requirements
- c) Partitioning the system suitable to reduce complexity
- d) Customer/Stackholders are not clear about their needs
- e) Budget constraints.
- f) Complex back-end code.
- g) Long term website maintenance

2) Analysis & Negotiation Problems:

- a) Complex back-end code.
- b) Long term maintenance problem.
- c) Uneducated user problem.

3) Requirement documentation:

a) Non-functional requirements:

i. Efficiency Requirement:

When an Online Medical Store Management implemented customer can purchase product in an efficient manner.

ii. Reliability requirement:

The system should provide a reliable environment to both customers and admin. All orders should be reaching at the admin without any errors.

iii. Usability requirement:

The web site is designed for user friendly environment and ease of use.

iv. Implementation Requirement:

Implementation of the system using Html, css, Javascript and BOOTSTRAP in front end with PHP as back end and it will be used for database connectivity. And the database part is developed by My sql. Responsive web designing is used for making the website compatible for any type of screen.

v. Delivery Requirement:

The whole system is expected to be delivered in four months of time with weekly evaluation by Medical store Management System Project guide.

vi. Database Security:

Unauthorized person cannot access the panel and database, do not read and write the information.

vii. Availability

viii. This website will be available Monday to Sunday at 9:30 am to 4:30 pm.

b) Functional requirements:

i. User/Customer:

a. User Login:

This feature used by the user/admin to login into system. A user must login with his user name and password to the system after registration but the admin is forced to login because admin's username and password is initialized as default. If they are invalid, the user and admin will not be allowed to enter the system.

- Username and password will be provided after user registration is confirmed.
- Password should be hidden from others while typing it in the field.

b. Register New User:

A new user will have to register in the system by providing essential details in order to shop the products in the system.

- System must be able to verify and validate information.
- The system must encrypt the password of the customer to provide security.

c. Add To Cart:

The user can add the desired product into his cart by clicking "order" option on the product.. Admin can remove the whole cart by clicking on the delete operation. After confirming the items in the cart the user can submit the cart by providing a delivery address. On successful submitting the cart will become empty.

– System must ensure that, only a registered customer can purchase items.

d. Payment system:

- i. Bikash
- ii. Nagad
- iii. Rocket
- iv. Master card
- v. Credit card
- vi. Visa card

Above all these payment method will be describe step by step when customers choose one of these payment method.

e. Visit Medicine:

The user can Visit the desired product. He can view description of product. After confirming the items in the search user can select it into cart by providing a delivery address.

ii. Seller:

- a. Registration
- b. Login
- c. Add new product & information
- d. Delete product & information
- e. Modify product & information
- f. Delete account

iii. Admin:

- a. Manage User's Orders

The administrator can manage the user's order.

- b. Manage Products

The administrator can add product, delete product, hide product and view product.

- c. Manage Orders

The administrator can view orders and delete orders.

The system must identify the login of the admin.

Admin account should be secured so that only owner of the shop can access that account.

References:

<https://1000projects.org/online-medical-store-or-pharmacy-shop-java-project-with-code.html#Proposed System>

<https://www.freeprojectz.com/project-report/1770>

<https://www.scribd.com/home>

<https://www.slideshare.net/LydiaKanguvi/problem-statements-25028233>

<https://www.pon.harvard.edu/daily/negotiation-skills-daily/5-common-negotiation-mistakes-and-how-you-can-avoid-them/>

<https://projectsinventory.com/functional-and-non-functional-requirements-of-medical-store-management-system/>