

Project Title: MediCure

Category: Web Application

PURPOSE

The purpose of developing this project is to improve the medical facilities for the students of IIIT-Guwahati and later can be scaled accordingly. With the help of this platform students can buy medicines and other emergency products.

SCOPE

Customers(Students of IIIT-G) have access to the website and can login using their email id. The shopkeepers can login as admin and sell their products.

INTRODUCTION

Introduction contain the following sub categories

Existing System

Currently the students have to travel a distance of more than 5kms to get something in case of emergency.

It has following disadvantages:-

1. If a student is sick it is practically very difficult for the person to travel for such a long distance.
2. Because of the unavailability of modes of transport the students find it difficult to travel.
3. It is not cost and time effective.

Proposed System

In the new proposed system the students can buy medicines and other emergency items from our website. It's functionalities include:-

1. Sign In page- The users can log in using their email id
2. Home Page - shows latest availability of the products
3. Product Page - shows the description about the product and review about the product
4. Shipping Page - Users can enter the address of where they want the item to be delivered.
5. Payment Page- The user can make payment through PayPal
6. You can login as admin and see all the users, the products in the database and all the current orders.
7. The admin can also edit the details of the product depending on the availability.
8. The user is notified of the delivery status as the product is delivered.
9. The users can directly search the products they need from the home page

Advantages of the Proposed System

Advantages of the proposed system are explained below:

1. Time and Cost Saving: Buying products online from a website saves a lot of time and money.
2. Remove Traveling: The students don't have to travel unnecessarily .
3. Opportunity at Doorstep: The nearby store owners can log in as admin and sell their products using the website.
4. Best in case of emergency: In case of an emergency the customer won't have to travel to the medical shop.
5. Information exchange: The product description in the product page helps the customer in relevant information exchange.

FUNCTIONAL REQUIREMENTS

Functional requirements of our system are explained below.

1. Users must have a valid User ID and password to login thus creating their individual profiles.
2. Details and price will be made available as per the best knowledge of the market.
3. Vendors can view the status of the available stocks.
4. Admin controls the list of users and their administrative roles.
5. Admins can view/edit the list of existing products and add more of them.
6. Admin can monitor the status of each and every order made, thereby having controls over the delivery status.

NON FUNCTIONAL REQUIREMENTS

Requirements that specify criteria that can be used to judge the operation of a system are called non-functional requirements. Non-functional requirements of our system are mentioned below:

1. Secure access of confidential data (user's details of both the buyers and vendors).
2. Maximum time availability.
3. Better component design to get efficiency at peak time.
4. Efficient API calls for minimum loading times

SOFTWARE TOOLS

- Database Server: MongoDB
- Client: Any web browser
- Development Tools: Visual Studio Code, Github Desktop
- Framework- React.js, Express.js
- Programming Language: JavaScript
- Environment: Node.js

DEPLOYMENT

Operating System Server: Heroku

HARDWARE SPECIFICATIONS

- Any device capable of running a modern web browser preferably Google Chrome.