

# **GLA University, Mathura -2020**



## **Mini Project-II**

### **Mid-Term Report**

**Project Name/Title: “BetterYou”**

Department of Computer Engineering & Applications

**Institute of Engineering & Technology**

**Submitted to:** Akash Kumar Chaudhary

**Submitted by:** Nidhi Jain & Radhika Bansal

## Acknowledgement

In the present world of competition there is a race of existence in which those are having will to come forward succeed. Project is like a bridge between theoretical and practical working. With this willing we joined this particular project. It gives us great pleasure and we are glad to represent the report of our B.Tech Mini Project II undertaken during the third year of our graduation era.

It has indeed been a great privilege for us to have Mr. Akash Kumar Chaudhary in Department of Computer Engineering & Application, Institute of Engineering & Technology, GLA University, Mathura, as our mentor in this Project. His awe-inspiring personality, superb guidance and constant encouragement are the motive force behind this project. We take this opportunity to express our utmost gratitude to him. We are also indebted to her for her timely and valuable advise.

We are highly grateful to Prof. Anand Singh Jalal, Head, Department of Computer Engineering & Application for providing necessary facilities and encouraging us during the course of work. We are thankful to all technical and non-technical staff of the Department of the Computer Science and Engineering for their constant assistance and their co-operation.

## **ABSTRACT**

Now-a-days, many more online medicine shopping web applications are present in market. Online medicine shopping web application is fast gaining ground as an accepted and used business paradigm. More and more business houses are implementing websites providing functionality for performing online medicine shopping over the web. It is reasonable to say that the process of shopping on the web is becoming common place. This web application is to reduce hardships faced by this existing system, also offers low cost ownership. Moreover this system is designed by the particular need of the all users to carry out operations in a smooth and effective manner. The e-pharmacy practices will provide a stepping stone for the growth of online pharmacy in the kingdom. This report indulges in discussing the various useful tools and techniques that are used in a development of a website.

The deterministic for online medicine purchasing system in web world is made to help the professionals of the medical shop. The only medical shop in market that can fulfill all needs in the field of medical marketing field like keeping records of sale and purchase for different companies, inventory management, and shop management system. In this medical shop master apps admin, shop master, and customer. The main key feature or the key idea for the project is to design the Medical shop management and provide the essential things to the people. We have developed a website that will enable all the customers to buy the products from this platform.

The aim is to automate the existing manual system by the help of computerized equipments and full-fledged computer software, fulfilling the 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.

# **Index**

1. Front Page	
2. Acknowledgement	
3. Abstract	
4. Introduction .....	1-3
• Problem Statement .....	1
• Reason for selecting Topic .....	1
• Objective .....	2
• Related Work .....	3
5. Functionality/ Features .....	4-5
6. Scope of the Project .....	6
7. Technology Used .....	7-9
8. Module Description .....	10-11
9. Project Progress .....	12-14
10. Conclusion .....	15

## **INTRODUCTION**

We are creating “A real-time website to shop medicines online.” In this, we will provide the functionality to buy the medicines or pharmaceuticals from their home comfort efficiently.

The “Online Medical Store” has been developed to override the prevailing problems in the practicing manual system. This software is supported to eliminate and in some cases reduce the hardships faced by this existing system.

The project and its implementation entitled “Medical Shop Management System” and basically designed to solve the problems occur at time of buying medicines. The people can register their details through online. The project provides many things of medical services and online registration of medical. The user can register the details, which is stored on the medical databases.

The main aim of the project is the management of the database of the pharmaceutical shop. This is done by creating a database of the available medicines in the shop.

The application is reduced as much as possible to avoid errors while entering the data. It also provides error messages while entering invalid data. No former knowledge is required for the user to use this system. Thus by this, it proves it is user-friendly medical store. As mentioned above, it can lead to secure, reliable and fast management system. It can assist the user to concentrate on their other activities rather than concentrate on the record keeping. Thus it will help organization in better utilization of resources.

### **What is our idea about?**

In today’s era, we all are aware of our daily changing requirements and the need to shop as in the world of digital marketing.

Shopping the daily needs virtually is what when individuals interact without being face-to-face but through words and texts they sent or receive data to be shared. We can share information and the need can be delivered to us.

Shopping virtually make us elevate from being digitally literate to digitally fluent, collaborate using appropriate virtual tools and system and they are cost-effective and environment friendly too.

So putting our efforts into this application, we are going to create “BetterYou”.

### **Reason for Selecting Topic:**

The general reason is to portray a complete and detailed picture of the overall purchase decision making process of consumers shopping online for medicines, including pre- and post-decisional stages. Although providing a broad description of the overall decisional process, the intent is to focus on the actual purchasing stage, shedding some light onto two details of this process – the in-store buying and browsing strategies used by online grocery shoppers and their reaction to in-store changes.

The purpose of Online Medical Store 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.

This project is aimed at developing a web application that depicts online shopping of medicines and self care products and purchase based on their own requirements. Using this software, we can improve the efficiency of their services of sales product. Online Shopping is one among the applications to enhance the marketing of the company's products.

### **Objectives:**

The main objective of the Online Medical Store Project is to manage the details of customers, medicine company, medicine, medicine stock, order. The project is totally built at administrative end and thus only the administrator is guaranteed the access. The purpose of the project is to build an application program to reduce the manual work for managing the customer, medicine.

- The App gives all the information about the medicines provides better services for customer.
- It provides the facility to the customer who wants to buy medicines and other self care products without having to wait .
- It manages the details of customers, medicines, medicine stock.
- It manages the information about the order of the customers.
- This project is totally built at administrative end and thus only the administrator is guaranteed the access.

## **Related Work:**

### **Existing System**

The existing system is not much efficient and reliability for getting medicines from the Medical Shop. Now the existing system is subjected to close study and problem areas are identified. The designer now functions as a problem solver and tries to sort out the difficulties that the enterprise faces. The existing systems are directly going to get the Medicines from the medical through online, the existing system are not much user friendly.

### **Proposed System**

The proposed system has to overcome the difficulties arising in the existing system. The people can register the medicine details and get the appointment from any part of the area and district. The user can change the medicine details and view the records. The system is very simple in design and to implement. The system requires very low system resources and the system will work in almost all configurations. It has got following features such as Security of data, greater efficiency, better service, user friendliness and interactive and minimum time required.

## **FUNCTIONALITIES/ FEATURES**

The Online Medical Booking Store application is an Online Website for an Organization. It is a virtual showcase for different types of medicine like health care, baby care, & home need products. Main aim of this project is to develop 24/7 medical service for users through online application. The Special thing about this project is it provides different types of medicine to purchase. It will reduce the amount of time spent by the employees of the company and also provides a convenient and efficient means of reaching to persons using cutting-edge technologies. The main goal is targeting towards smooth internal communication and functioning for the customers along with other useful information. Expected Results Time and cost saving to reach to people Time saving for persons of remote places for their product search and also provides the convenience of searching for medicine anywhere at any point of time.

As stated earlier the general aim of this dissertation is to develop, as accurately as possible, an overall image of the consumers' decision making process for online grocery shopping. The objective is to provide a broad description of the overall process, from the pre-decisional to the post-decisional phase, however being the intent to then focus on the actual decisional stage.

This Web application has following functionalities:

1. Managing the information of Customers.
2. Shows the information and description of the medicines.
3. Editing, adding and updating of records is improved which results in proper resource management of customer data.
4. It deals with monitoring the information and transactions of Medicine Stock.
5. Medical store also manages the order details of the customers.
6. Easy to update information.
7. User Accounts to control the access and maintain security.
8. Decrease the load of the person involve in the existing manual system.



9. Integration of all records of order.
10. It manages the information of Medicine Stock.
11. It contains better storage capacity.
12. Work becomes very speedy.
13. Well designed invoice at the end of user.
14. Efficient and easy accessing and traversing throughout the website.

## **SCOPE OF THE PROJECT**

This system will reduce the manual operation required to take care of all the records of booking information. And also generates the various reports for analysis. Main concept of the project is to enter transaction reports and to take care of customer records. It will help in reducing the cost of collecting the management and collection procedure will go on smoothly. The data is directly stored in the database. This system allows to the customers to maintain cart for add or remove the product over the internet. The online shopping system well design database can help the management guide customers.

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

In future, changes can be made by providing some provisions to accept different kinds of payments such as credit cards, debit cards, etc., the system can be further extended to link multiple medical shops to enhance the buying experience of customers.

- To utilize resources in an efficient manner by increasing their productivity through automation.
- In computer system. The person has to fill the various forms and a number of copies of the forms can be easily generated at a time.
- The system can generate types of information that can be used for various purposes.
- It satisfies the user requirements in a more delicate way.
- The updations in any part of the system can be done frequently to enhance the quality of the system.

## **TECHNOLOGY USED**

Online Medical Store is a website, it uses full stack technologies. We will design the front-end and also connect the backend to store the information of users and medicines. The main technologies used are:

**HTML:** Page layout has been designed with HTML. It is used for making the structure to the website. HTML was developed with the intent of defining the structure of documents like headings, paragraphs, lists, and so forth to facilitate the sharing of scientific information between researchers.

There are several advantages of HTML:

- It is easy to learn and easy to use.
- It is platform independent.
- Images, video and audio can be added to a web page.
- It is supported by all browsers.
- It can be integrated with other languages like CSS, JavaScript etc.

HTML is used to create the User Interface of the website. Before implementing the actual design of the project, a few user interface designs were constructed to visualize the user interaction with the system.

**CSS/Bootstrap:** It is used to design the elements or structure made with the help of HTML. It is used to provide the better User Interface to the website and eye-catching look. This style sheet language also allows you to add effects or animations to your website. You can use it to display some CSS animations like click button effects, spinners or loaders, and animated backgrounds. Without CSS, your website will appear as a plain HTML page.

**JavaScript:** It is used to provide the interactivity among the different modules of the website. All the validations in the login or signup form are done by JS. JavaScript is a client-side scripting language of web developed by Netscape in 1995 with the name LiveScript. JavaScript is used to build interactive websites with dynamic features and to validate form data. JavaScript is high-

level, dynamic and browser interpreted programming language, supported by all modern web browsers. Apart from web browser, JavaScript is also used to build scalable web applications using Node JS. JavaScript is also being used widely in game development and Mobile application development.

JavaScript is the widely used programming language, all over the world. It has the largest open-source package repository in the world (npm). Every type of software uses JavaScript, including the server code (Node.js), productivity apps, 3D games, robots, IoT devices. JavaScript has achieved the goal, set by Java a long time ago: write once, run anywhere. There are various JavaScript uses in different segments.

**MongoDB:** It is a No-SQL database which is to be used in this project to store the data/information. MongoDB is a cross-platform, open-source, NoSQL database, used by many modern Node-based web applications to persist data.

MongoDB is a document-oriented database. This means that it doesn't use tables and rows to store its data, but instead *collections* of JSON-like *documents*. These documents support embedded fields, so related data can be stored within them. MongoDB is also a schema-less database, By means of 'schema less' is that we can store different documents having different schema inside a same collection.

**Node.js/PHP:** These technologies are used to connect the website to the backend.

There are two technologies for backend connection:

**Node.js:** As an asynchronous event-driven JavaScript runtime, Node.js is designed to build scalable network applications. In the following "hello world" example, many connections can be handled concurrently. Upon each connection, the callback is fired, but if there is no work to be done, Node.js will sleep. Node.js is similar in design to, and influenced by, systems like Ruby's Event Machine and Python's Twisted. Node.js takes the event model a bit further. It presents an event loop as a runtime construct instead of as a library.

**PHP:** PHP is a server-side scripting language. That is used to develop Static websites or Dynamic websites or Web applications. PHP stands for Hypertext Pre-processor, that earlier stood for Personal Home Pages.

- PHP scripts can only be interpreted on a server that has PHP installed.
- The client computers accessing the PHP scripts require a web browser only.
- A PHP file contains PHP tags and ends with the extension ".php".

### **What is Scripting Language?**

- A script is a set of programming instructions that is interpreted at runtime.
- A scripting language is a language that interprets scripts at runtime. Scripts are usually embedded into other software environments.
- The purpose of the scripts is usually to enhance the performance or perform routine tasks for an application.
- Server-side scripts are interpreted on the server while client side scripts are interpreted by the client application.
- PHP is a server-side script that is interpreted on the server while JavaScript is an example of a client-side script that is interpreted by the client browser. Both PHP and JavaScript can be embedded into HTML pages.

## **MODULE DESCRIPTION**

**1. Customer Management Module:** Used for managing the Customer details. The main aim of this module is to provide all the functionality related to customers. It tracks all the information and details of the customer.

Features:

- Admin can add new customer records.
- Admin can see the list of customer details.
- All customer forms are validated on client side using JavaScript.

**2. Order Module:** Used for managing the details of Order. The main purpose for developing this module is to manage the customer orders. Admin will manage all order records.

Features:

- Admin can manage the order list.
- Customer can edit/delete the order as per their requirements.
- Admin can see the list of order.
- Customer can see his order and get the invoice of the same.

**3. Medicine Module:** Used for managing the Medicine details. The main aim for developing this module is to manage the medicines datawise. All the medicines will be managed by admin and customer will be able to see the medicines.

Features:

- Admin can see the list of all medicines and filter it according to customers.
- Customer can find a particular medicine also.
- Customer can add them in their cart.
- Admin can edit/delete the medicine details.

**4. Medicine Stock Module:** Used for managing the Medicine Stock information. The purpose of building this module is to manage the customer medicine stock. Admin will manage all medicine stock record.

Features:

- Admin can update the current medicine stock status as available or unavailable.
- Admin has the details of each customer medicine stock.
- Customer can see his medicine stock.

**5. Login Module:** Used for managing the login details. This module saves the records of admin and customers login. Any customer can register on the website using the registration module if not having an account.

**6. Admin Module :** Admin need to login by providing the login credentials to access the below given admin modules.

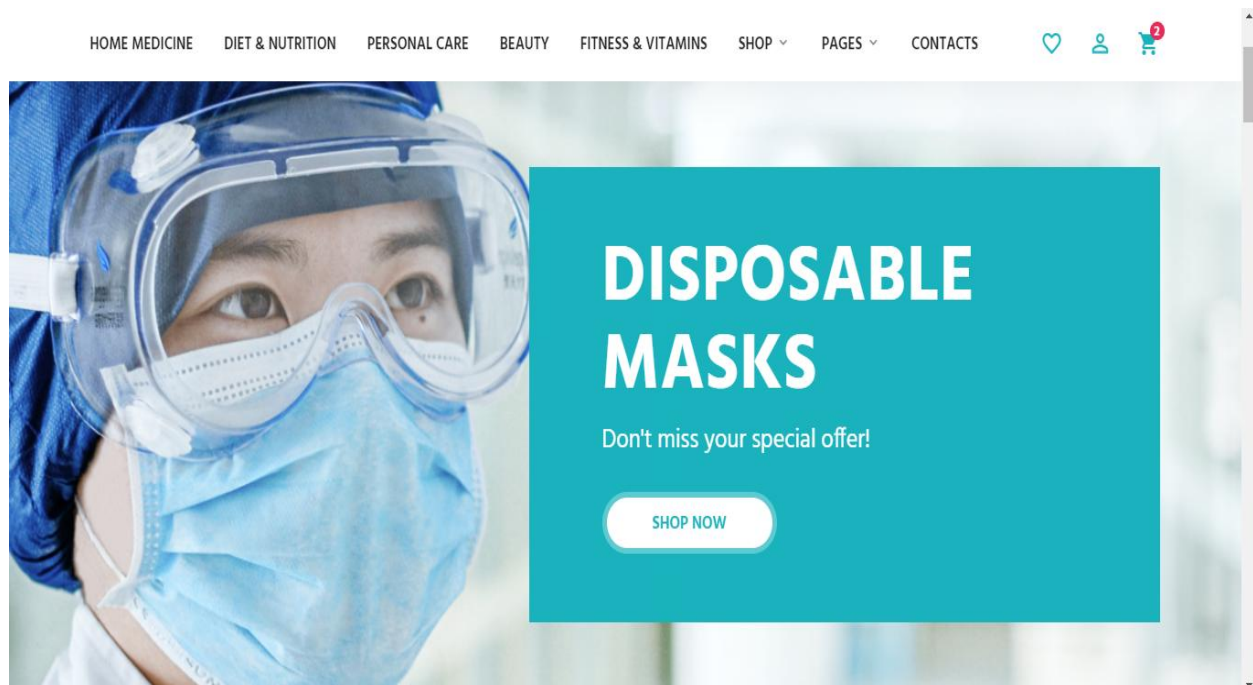
- Product Entry:
  - i. Admin can enter details about new medicine products details.
- View Order:
  - ii. Admin can view details about the order placed by the user.
- View Users Details:
  - iii. Admin can view all the registered user's details.

## **PROJECT PROGRESS**

User Interface design is concerned with the dialogues between a user and the computer. It is concerned with everything from logging into the system to eventually presentation of desired inputs and outputs. User Interface is concerned with the user experience on the website. So far, we have completed our front page or landing page with the description given below:

### **1. Header Section:**

This is the header and navigation section of the website where the types of products are specified in the navigation bar.








### **2. Best Seller Section:**

In this section, we create a slider and specify some of the in-demand medicines with their costs and also have options to add in the cart or favourites which are shown on hovering the product.



## BEST SELLERS

				
Aamra Homemade Tomato Garlic Basil Pizza Pasta Sauce	Aamra Homemade Tomato Garlic Basil Pizza Pasta Sauce	Aamra Homemade Tomato Garlic Basil Pizza Pasta Sauce	Aamra Homemade Tomato Garlic Basil Pizza Pasta Sauce	Aamra Homemade Tomato Garlic Basil Pizza Pasta Sauce
<b>\$12.00</b> <del>\$18.00</del>	<b>\$14.00</b>	<b>\$14.00</b>	<b>\$14.00</b>	<b>\$14.00</b>

### 3. Banner Section:

This is a banner showing the products we are associated with and also has an option to visit all the products,i.e. **VIEW PRODUCTS →** button.



## CORONAVIRUS MEDICAL SUPPLIES

Many people are asking about medical supplies for the Coronavirus 2019 (COVID-19). This page highlights some commonly used medical supplies.

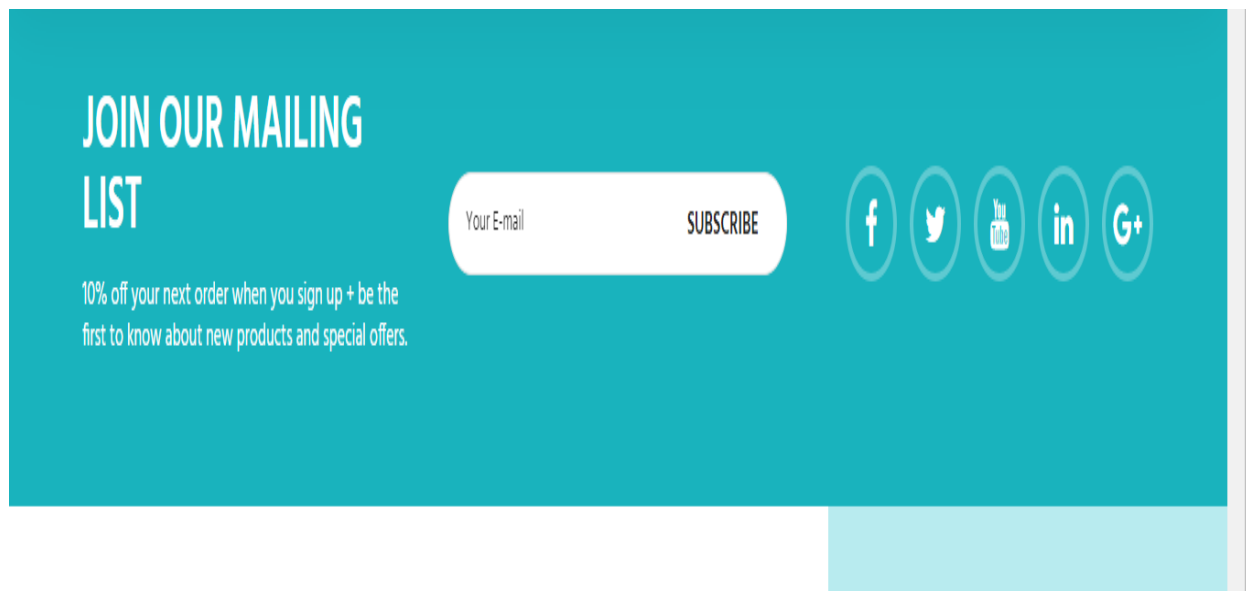
**VIEW PRODUCTS →**

**-20% FOR ANTISEPTIC**



#### 4. Footer Section:

This section has the footer of the landing page where all the necessary link are provided to reach to the various parts of the website and also about the contacting details like in the below image shown customer can connect with us using their email-id and subscribe the website so that they can get the notifications about any new product availability and availability of the out of stock product.



#### Remaining Work:

We just completed the front page, further, we are going to connect the functionality of each product and button like the links involved in the page and the description of the product shown to the customer so that they can add the product in their cart. The login credentials part is left which validates the user as pr their details filled in the form provided. After this comes the backend part, we need to connect the database to store the information of the users and the medicine details.

## **CONCLUSION**

The first conclusion this study provides is the realization of online medicine shopping in India as being a niche market. Our project is only a humble venture to satisfy the needs to manage their project work. We have defined the problem on which we are working in this project. We describe the requirement specifications of the system.

Medical online store is actually a software which handle the essential data and save the data and actually about the database of a pharmacy and it's management. This software help in effectively management of the pharmaceutical store or shop. It provide the statistics about medicine or drugs which are in stocks which data can also be updated and edited. It works as per the requirement of the user and have options accordingly. It allow user to enter manufacturing as well as the expiry date of medicine placing in stock and for sales transaction. This software also have ability to print the bill and invoices etc. The record of suppliers supplies can also be saved in it. There are other function available too. The main purpose is effectively and easily handling of pharmacy data and it's management.