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PharmaAve E-Pharmacy

Project (J-Component)

Internet & Web Programming

CSE3002

Submitted By

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B.TECH, SCOPE

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ABSTRACT

In the pharmaceutical sector, an e-commerce pharmacy is a system that aimed to improve accuracy, safety, and efficiency. E-commerce is becoming increasingly popular in the pharmaceutical industry, mostly to increase transactional efficiency and product marketing. This project can be used by any pharmaceutical company that maintains a database. This system is extremely easy to use. It contains all of the information about the medicine, including the name, the disease it treats, the manufacturer, and the date it was manufactured. To use the application's services, users must first log in with their accounts. Customers can post requests and buy drugs online once they've registered in. Information on the medicine's potential negative effects would be offered during the purchase process as well. The project begins with the creation of a database of available medications, which is then linked to the source code. The project begins with the creation of a database of available drugs, which is then used to create an online pharmacy, which is currently in its early stages. NetMeds, EasyMedico, Medlife, and other well-known brands are available. 1mg, Practo, and Myra are among the many firms in the space. Even established pharmacies, such as Apollo Pharmacy, have begun to offer an e-pharmacy service, indicating that this project has a lot of room for expansion.

Keywords: Healthcare, E-Commerce site, Nutrition, HTML, CSS, JavaScript, PHP, MySQL

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INTRODUCTION

Ecommerce has become increasingly important in our daily lives. It's changing the way people do business all throughout the world. People may now buy and sell nearly anything using the internet, including books, electronics, fashion, software, furniture, and much more. Why should we not take full use of the simple access to commodities and services that are accessible at our fingertips to live a smart and healthy life? Our project, 'PharmaAve' is a platform where users can build profiles and browse our collection of pharmaceuticals and ayurvedic goods to find what they're looking for. After completing their profile, the consumer can browse all of our products. Users can directly browse through our products, or they can categorise our products by price, rating, and specific product categories to find something that is relevant to them. Users can rate our products and give feedback on how they found them after they have been delivered. Users can add each item to their cart to purchase additional things. They can use the payment gateway to pay for the things. An admin account manages the products on our website. The objects are added, removed, and saved in an admin-controlled database. Once a user has made an order, the admin can additionally update the delivery status. The administrator receives accurate statistics on the product inventory. With the outbreak of Corona Virus, to help the community tackle this great threat still looming around in the past 2 years, we offer our users, the option to book RTPCR/antigen lab test online, making it faster and easier for them to know about their status and how they can proceed further.

OBJECTIVE

The project aims to help people in this state of distress and panic, so that as a community we can come together and fight this pandemic. Spread positivity among the society and reflect upon all the good things happening around the world. Educate people with the right information related to Covid-19 and other medicines being delivered by us along with their nutritional components by taking in real life examples of patients who already have been affected by the virus. Uplifting the financially weaker section of the society by helping them connect with the daily necessities of this fast pacing online world. We help people use their medicines successfully and securely by providing accurate, reliable, and trustworthy information on medicines.

CURRENT SYSTEM

The current online medical store or commonly known as E-Pharmacy allows users to order medicines online either for store pick up or delivery. They are reserved only for ordering medicines and are not designed to do any more operations. These UIs have failed to educate people about different diseases and whether a particular medicine can be used to cure a particular disease or not.

PROPOSED SYSTEM

As the existing systems fails to provide some valid and useful information for the user, we made the novelty part of our E-Pharmacy to be a disease view or disease dictionary where any user, the one who has an account in the system and also who doesn’t have an account in the website can open the page get to know about information about diseases, their cures if exists and the symptoms of that particular disease. We have also included a way for the user to book covid test

slots, covid vaccination slots and also an option for the user to choose any lab test he/she wants to get checked or tested. This makes our website more flexible and a single place for all kinds of medical needs.

HARDWARE REQUIREMENTS

- Inter i5 processor or more
- Hard Disk: Min 25GB HDD
- 1GB RAM

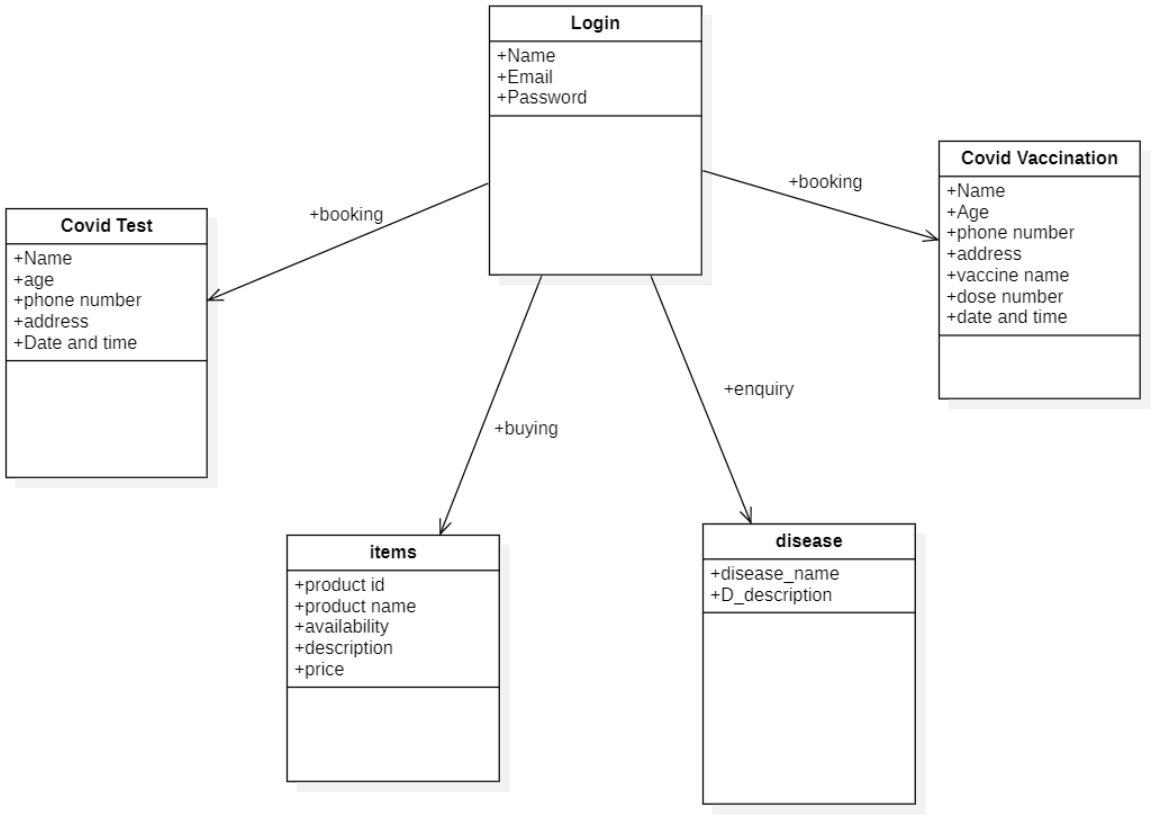
SOFTWARE REQUIREMENTS

- Designing Tool : Visual Studio
- Operating System : Windows 11
- Front end :HTML,CSS,JAVASCRIPT
- Back end : JAVA, MySQL Database

SCOPE OF PROJECT

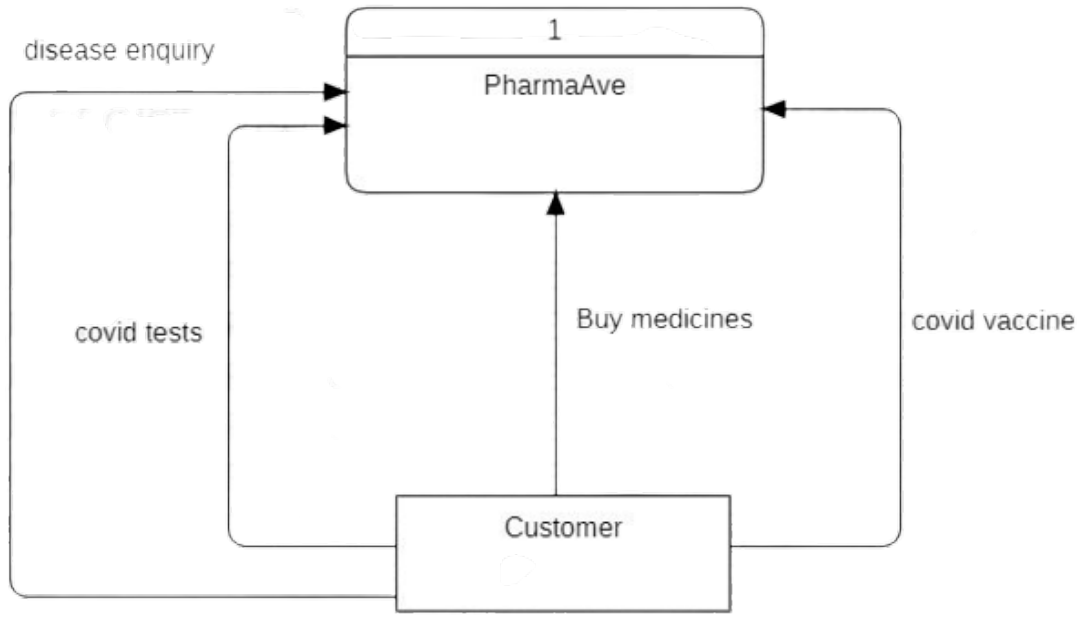
Our website helps the user to order medicines online, and to book covid test slots, covid vaccination slots and any preferred lab test if needed by the user or the customer. The novelty of the project is to provide information about different diseases to people. The aim is to provide information to people and educate them. The website is a one stop location for all medical purposes and is flexible.

CLASS DIAGRAM:-

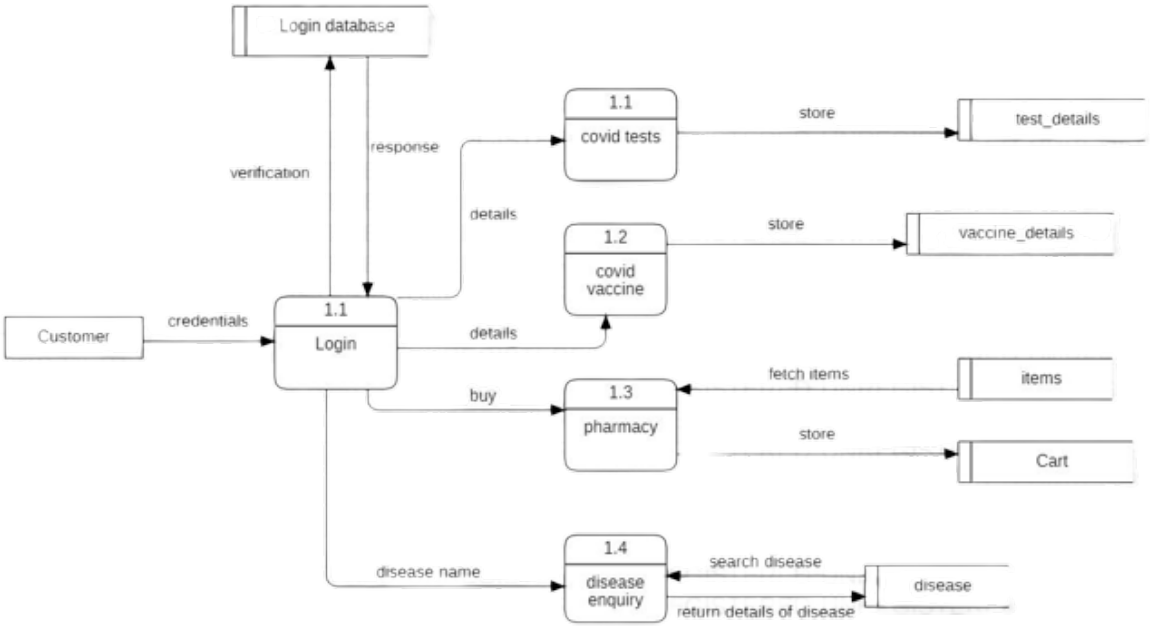


USE CASE DIAGRAM:-

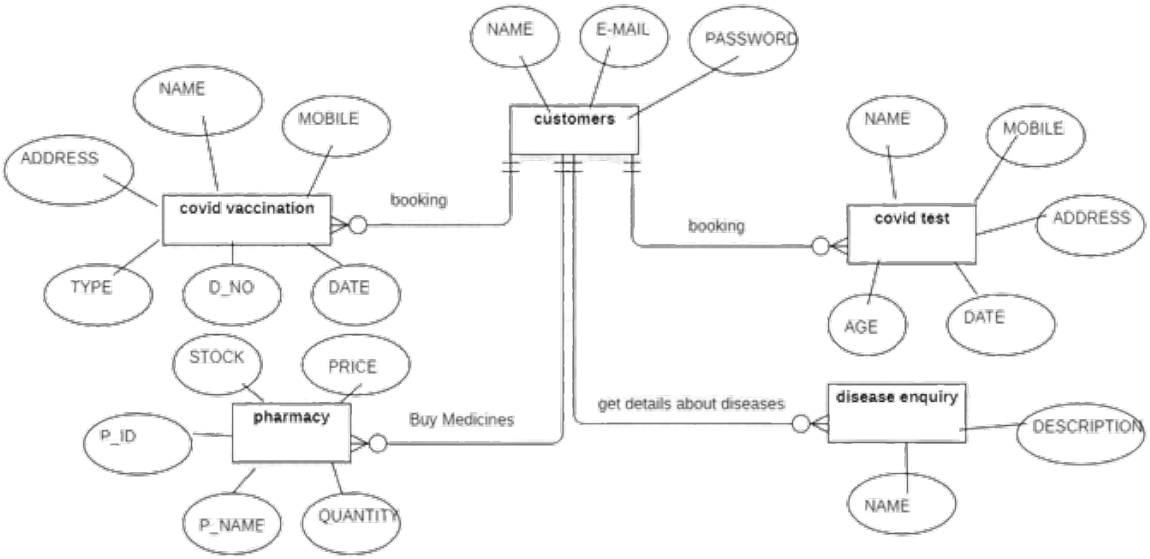
LEVEL -0 DFD:-



LEVEL-1 DFD:-

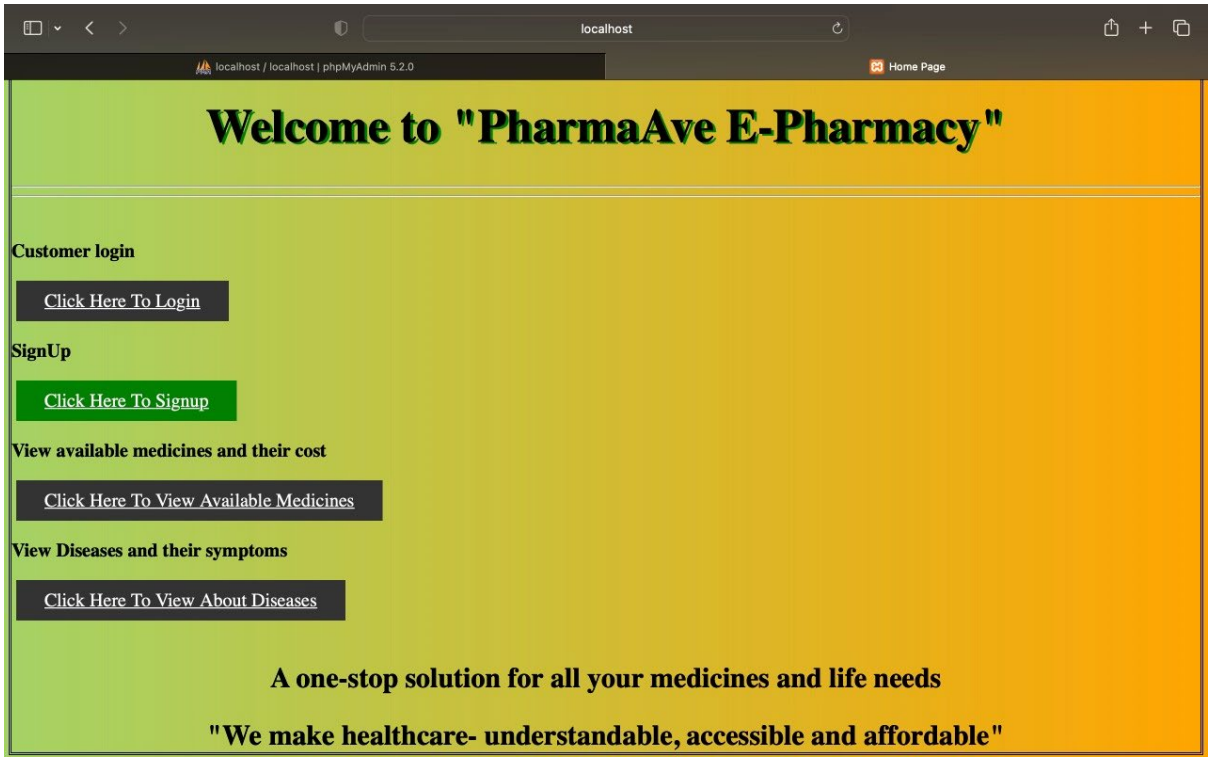


ER DIAGRAM:-



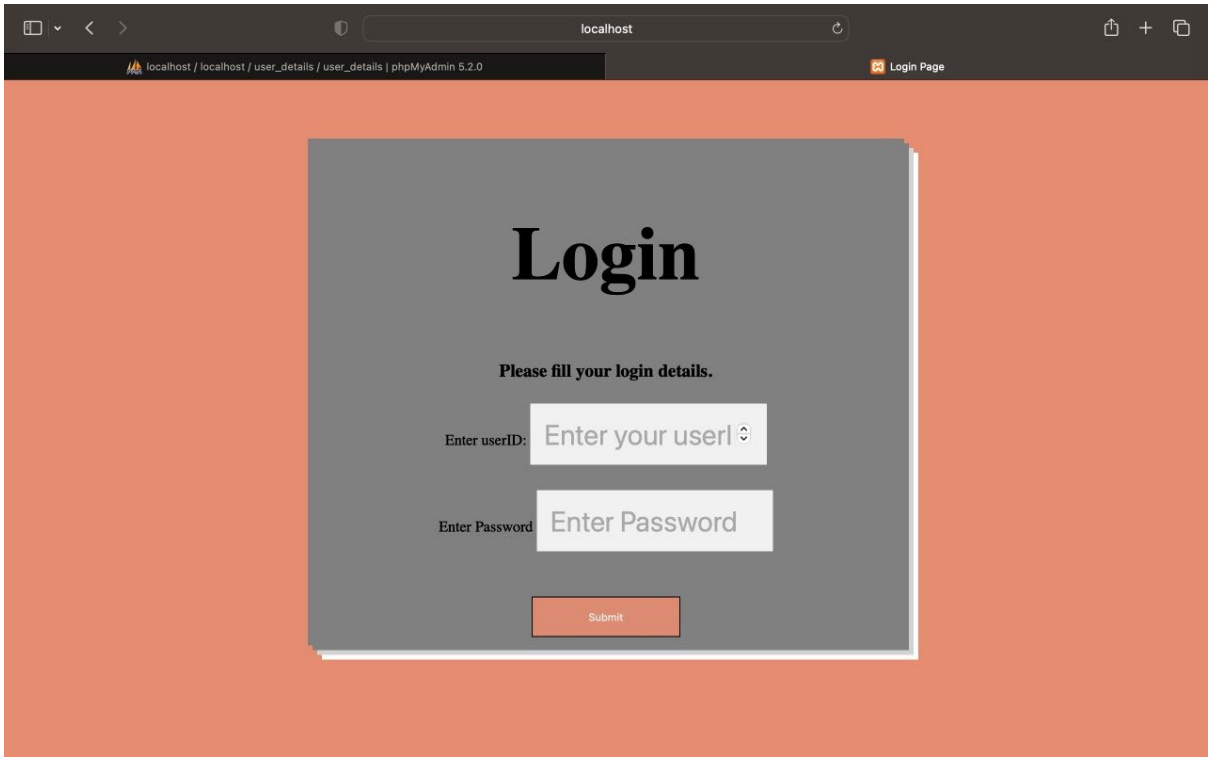
MODULES

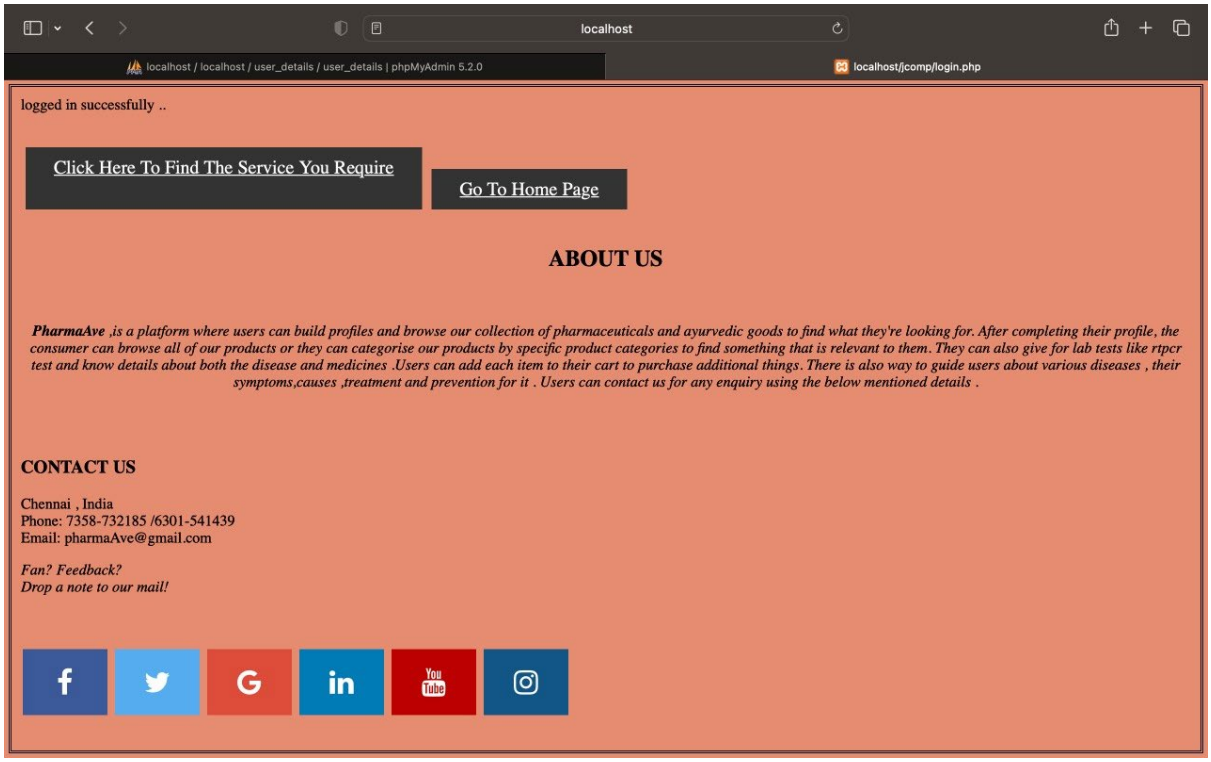
- Login
- SignUp
- Cart
- Store
- Disease View
- Covid Test
- Covid Vaccination
- Lab Tests



Login:-

- This module helps the user to login to the website to buy medicines, book covid test and vaccination slots and also book slots for any particular lab tests.
- Any user who has already signed in before can use his/her credentials to login into the website.
- The credentials that are required for login are userid and password

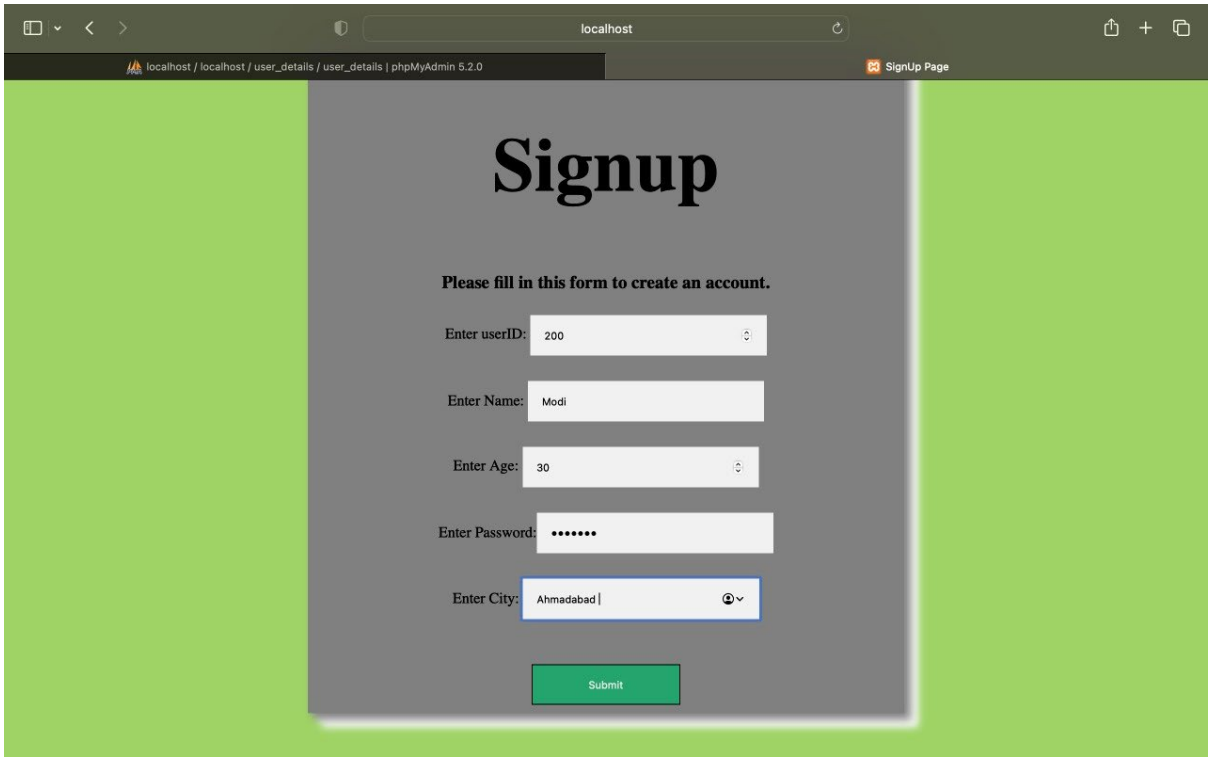


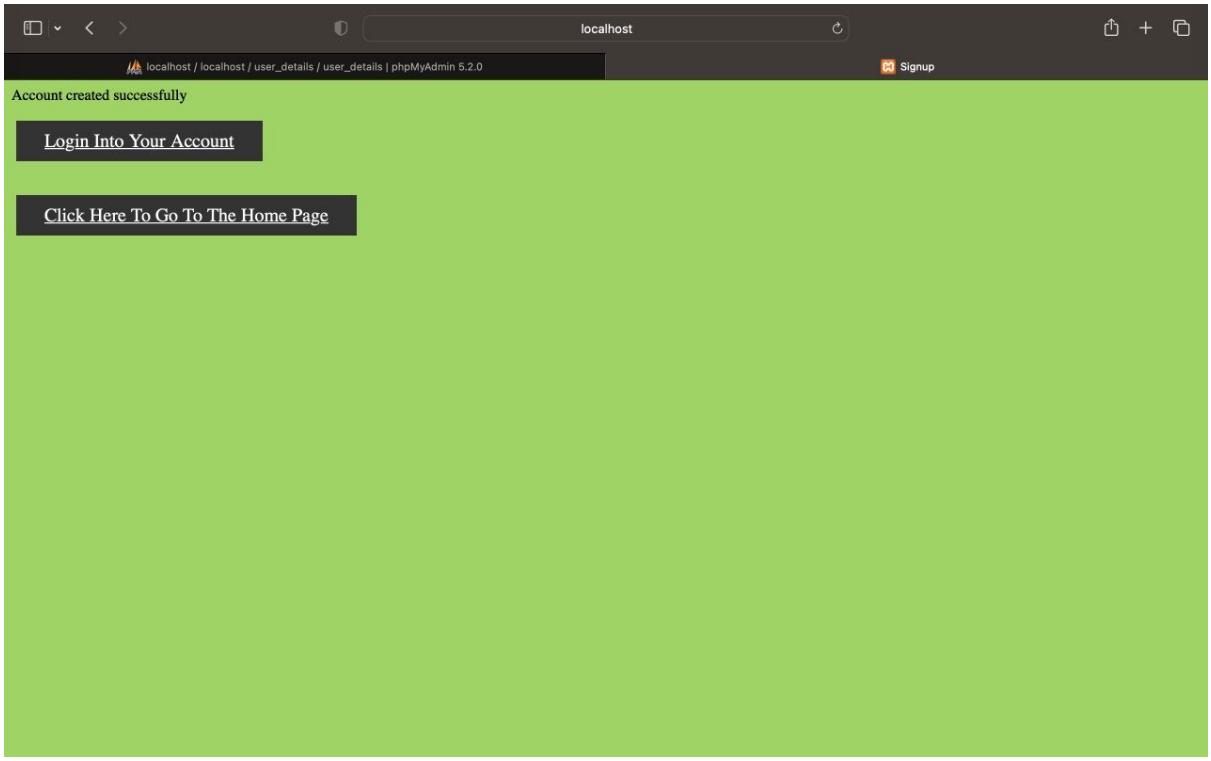


Sign-Up:-

- In this module any user who wants to use the website can make an account in the website.

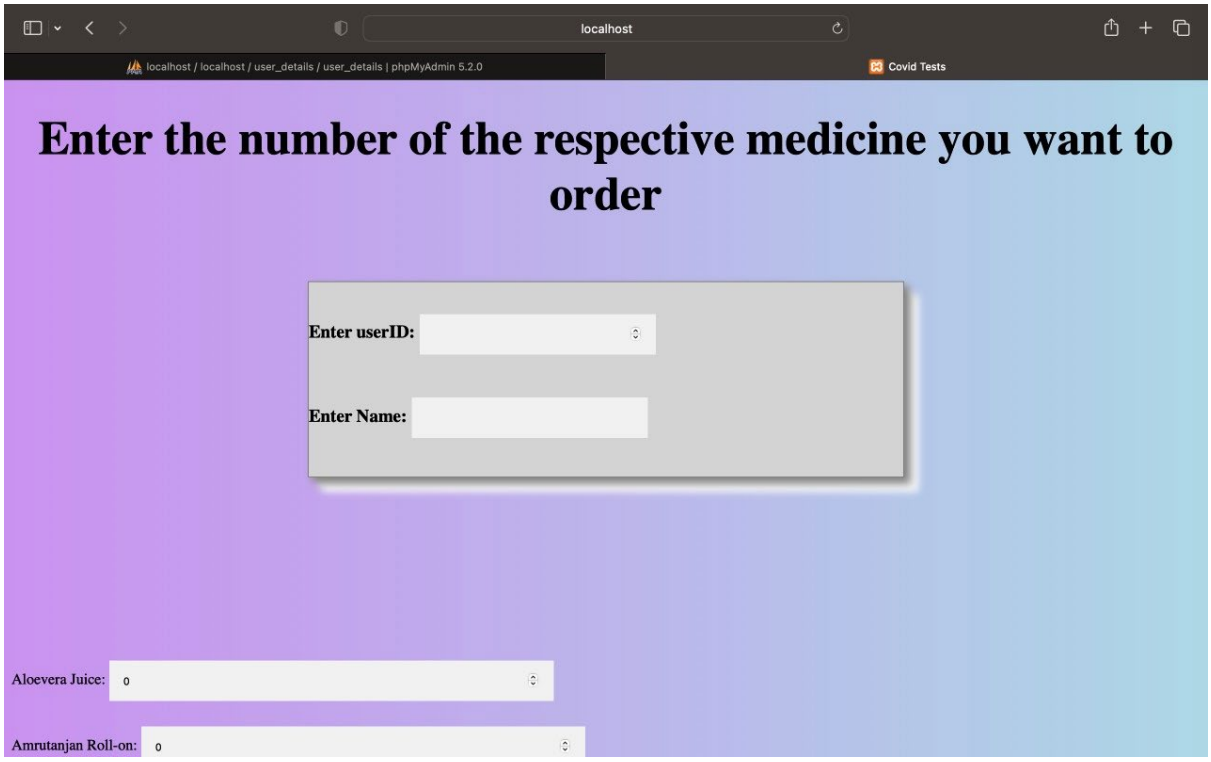
- The given credentials are stored in the database and are used during login.
- The required credentials are user id, email, name, password and city.

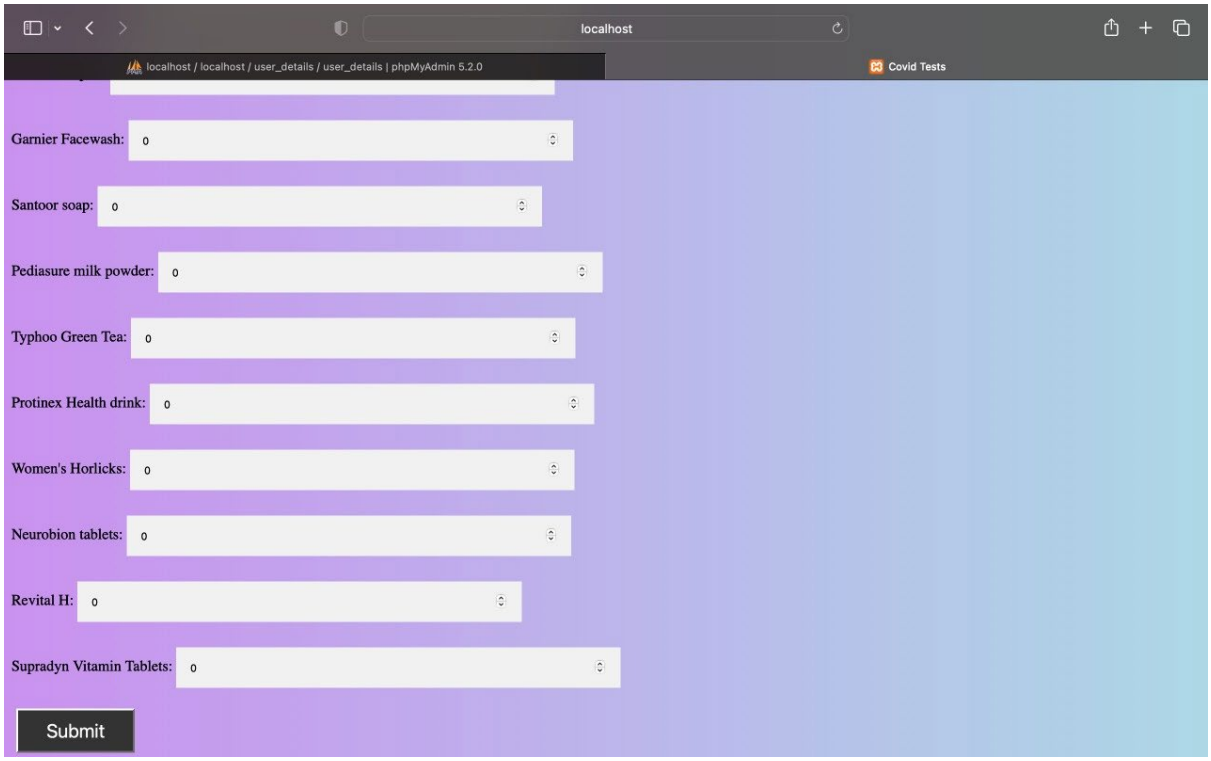


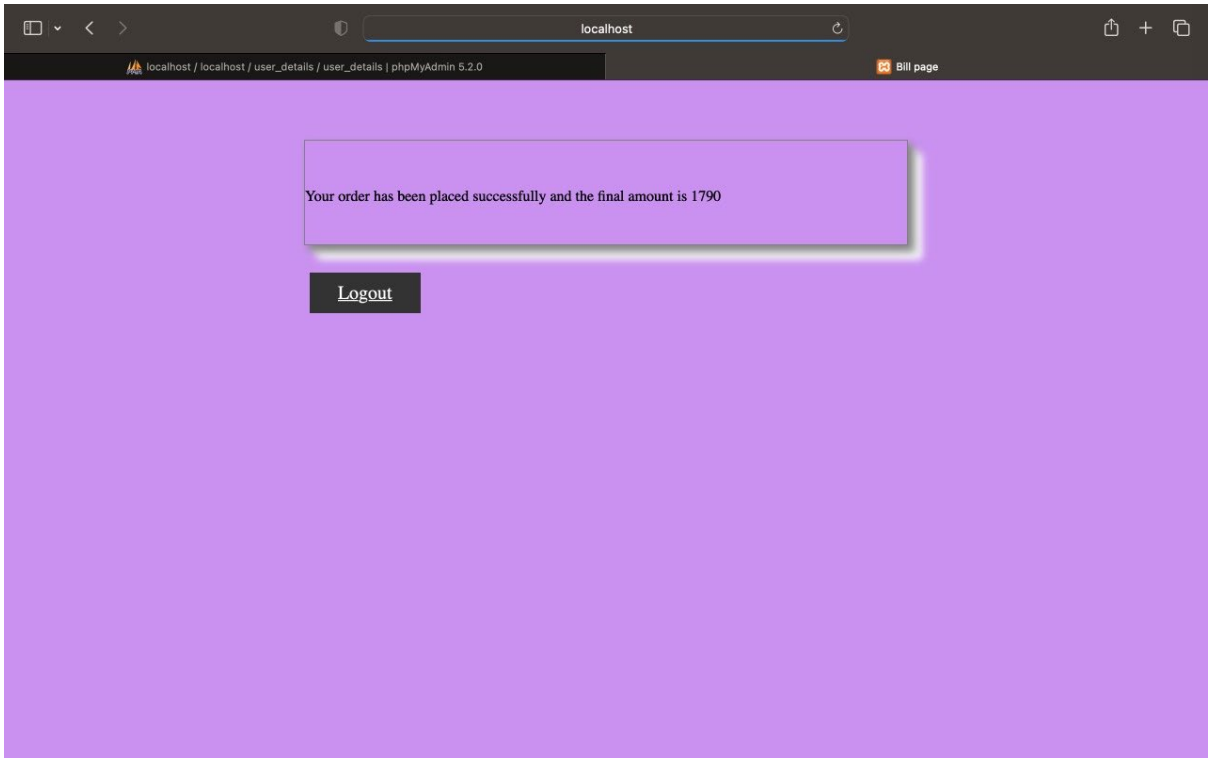


Cart:-

- In this module user can add all the medicines he/she needs and also add the quantity of a particular medicine they require.
- There is book option given in the page after the booking option is pressed the total amount of the bill is displayed and the order is placed.
- To order medicines a user has to have an account in the website because user id is required for booking.



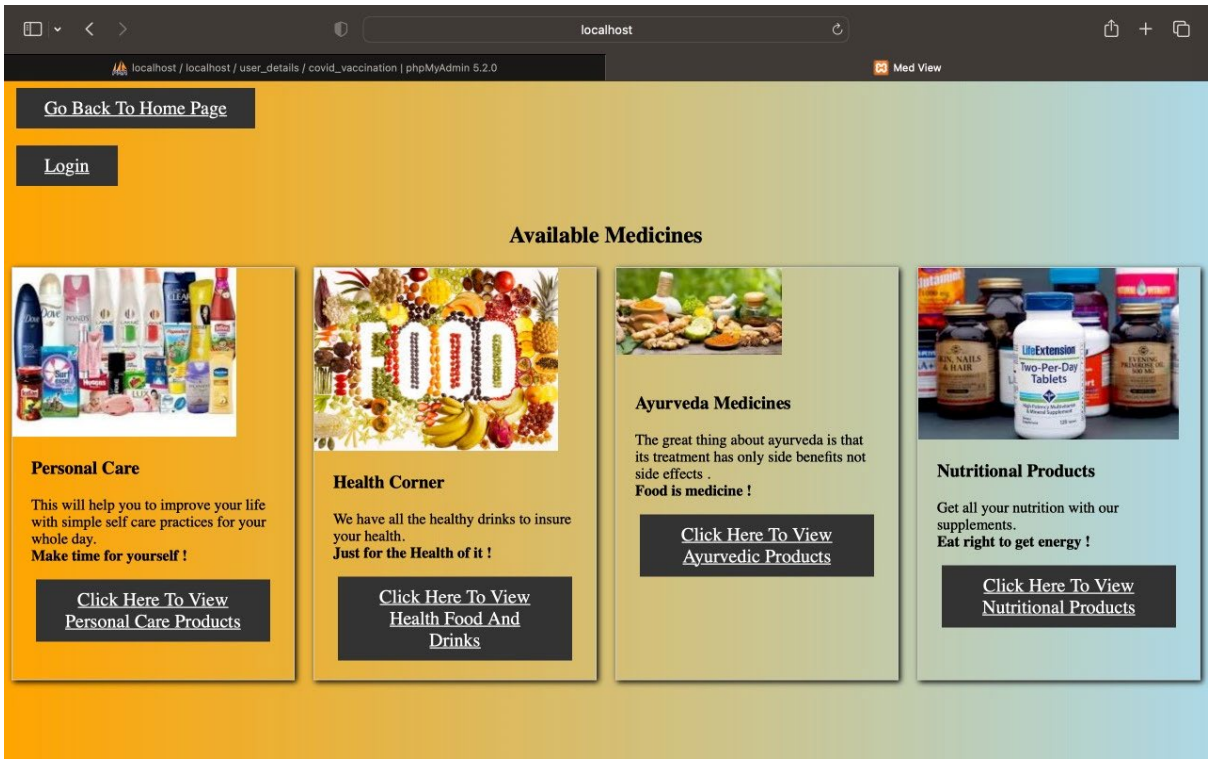


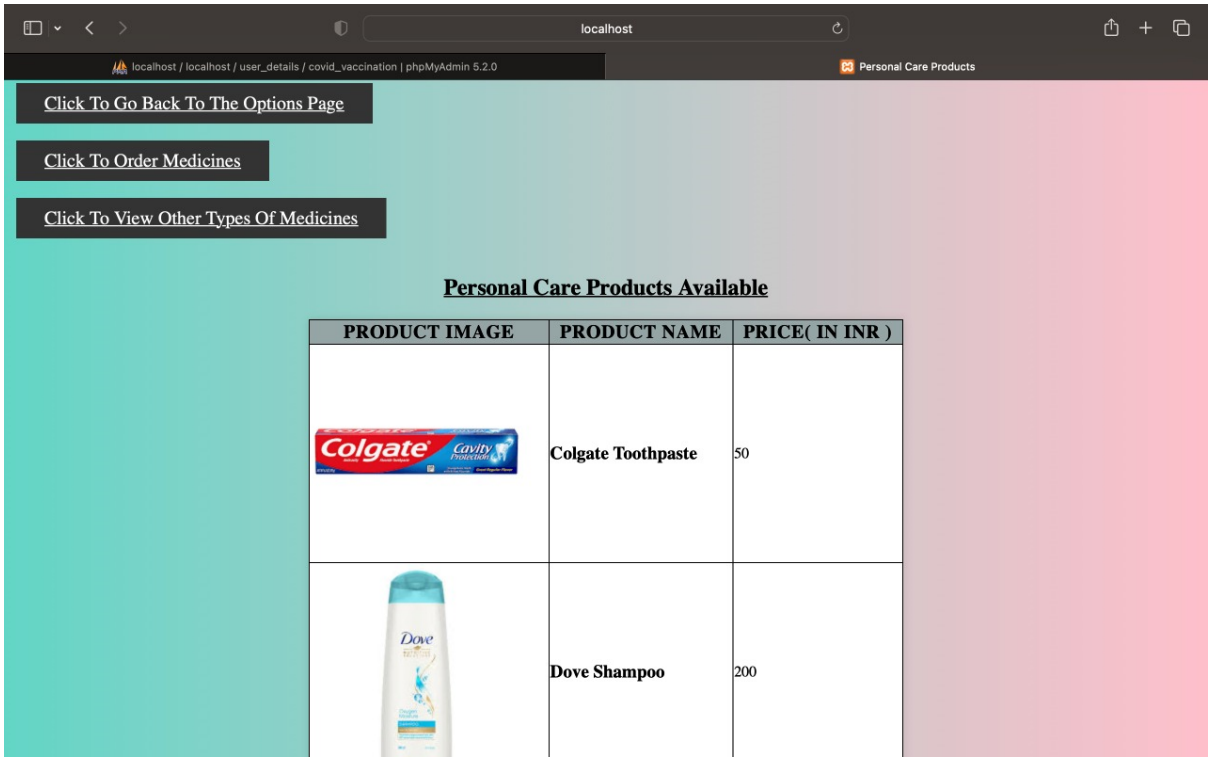


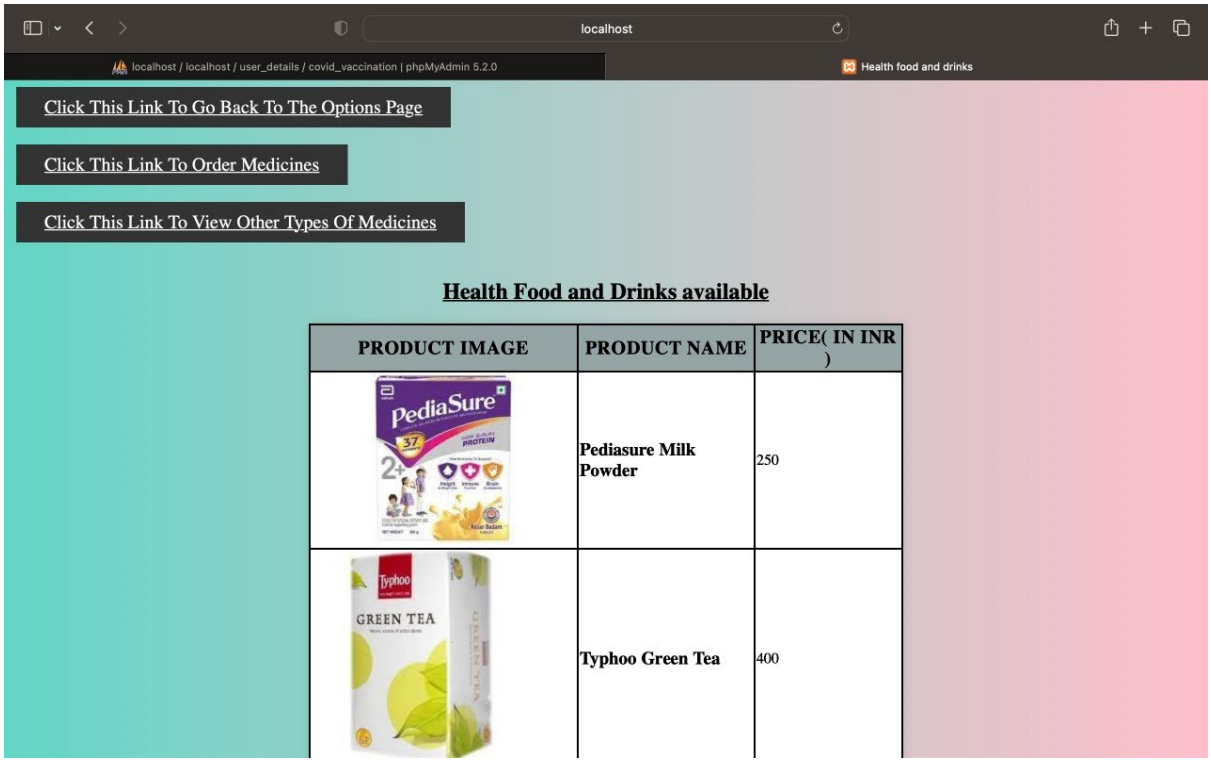
Store:-

- This module has all the categories that are available in medicines and information about those medicines.

- User can get the price and details about the medicines.
- He/she can directly go to the cart page to add the items from the store page by pressing the redirect link



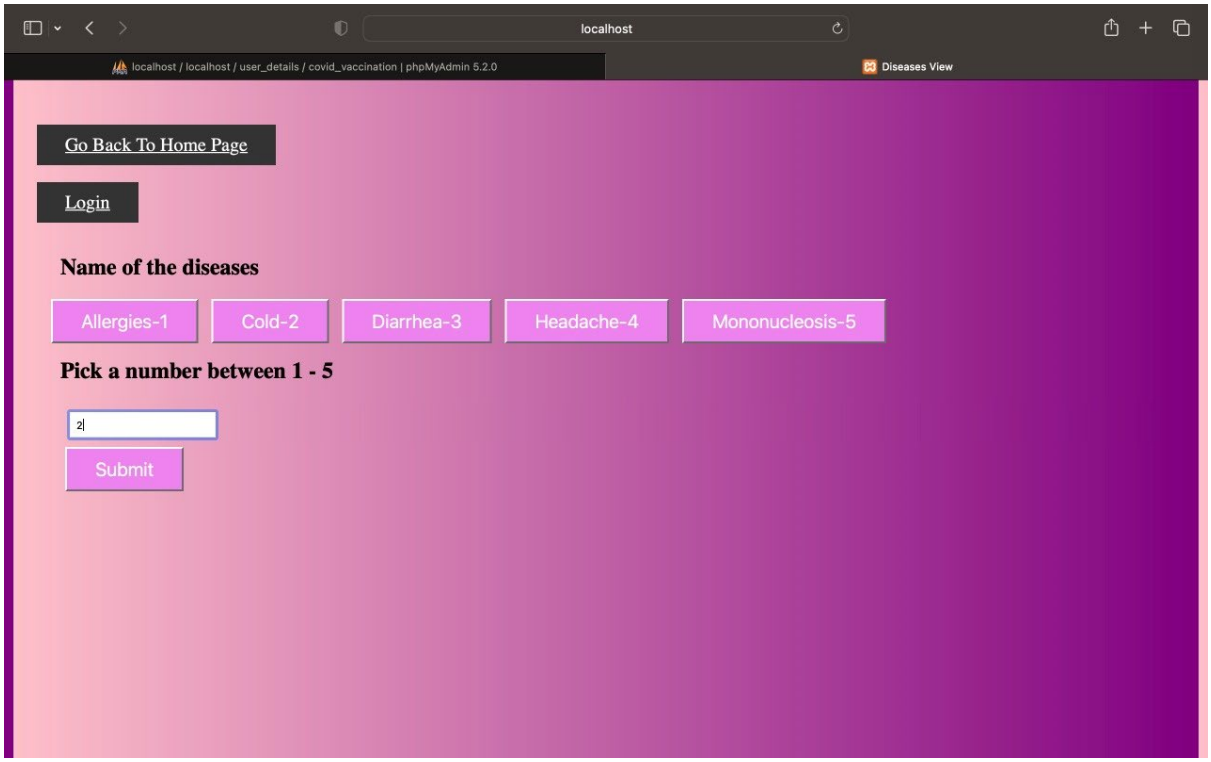


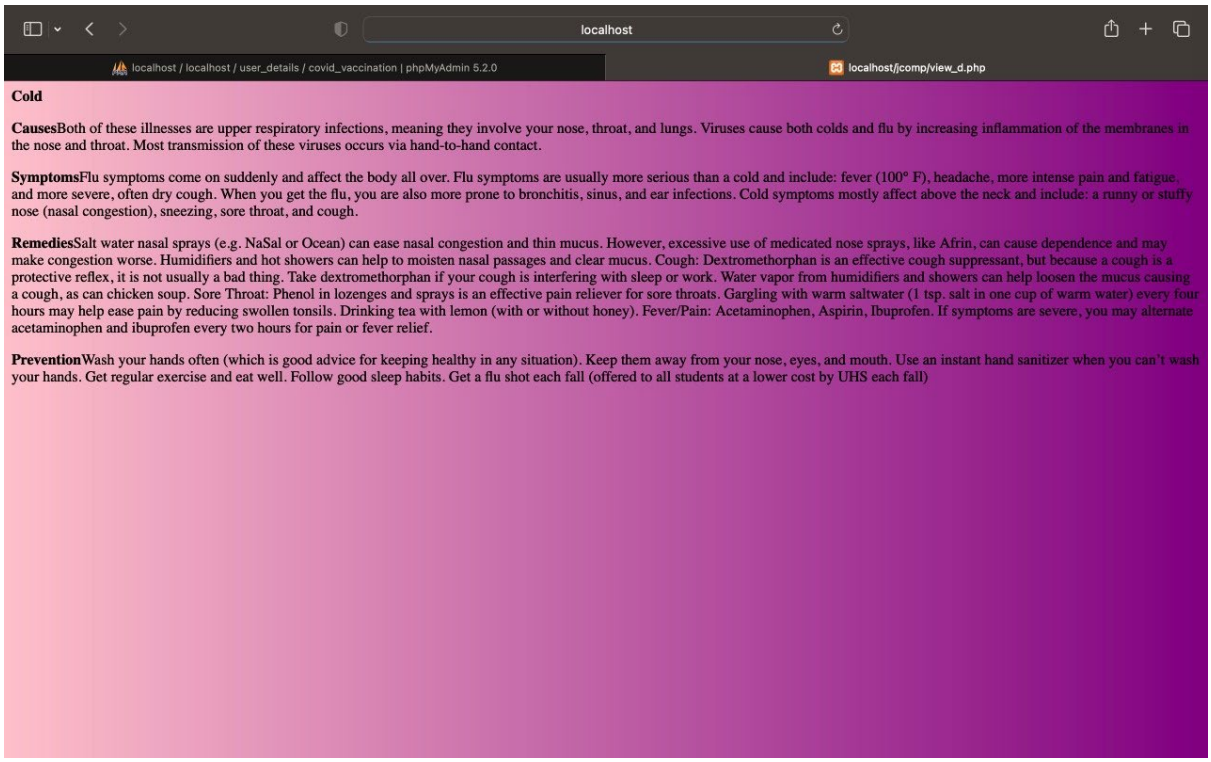


Disease View:-

- In this page the user can get the information about different diseases, cure and symptoms of the disease

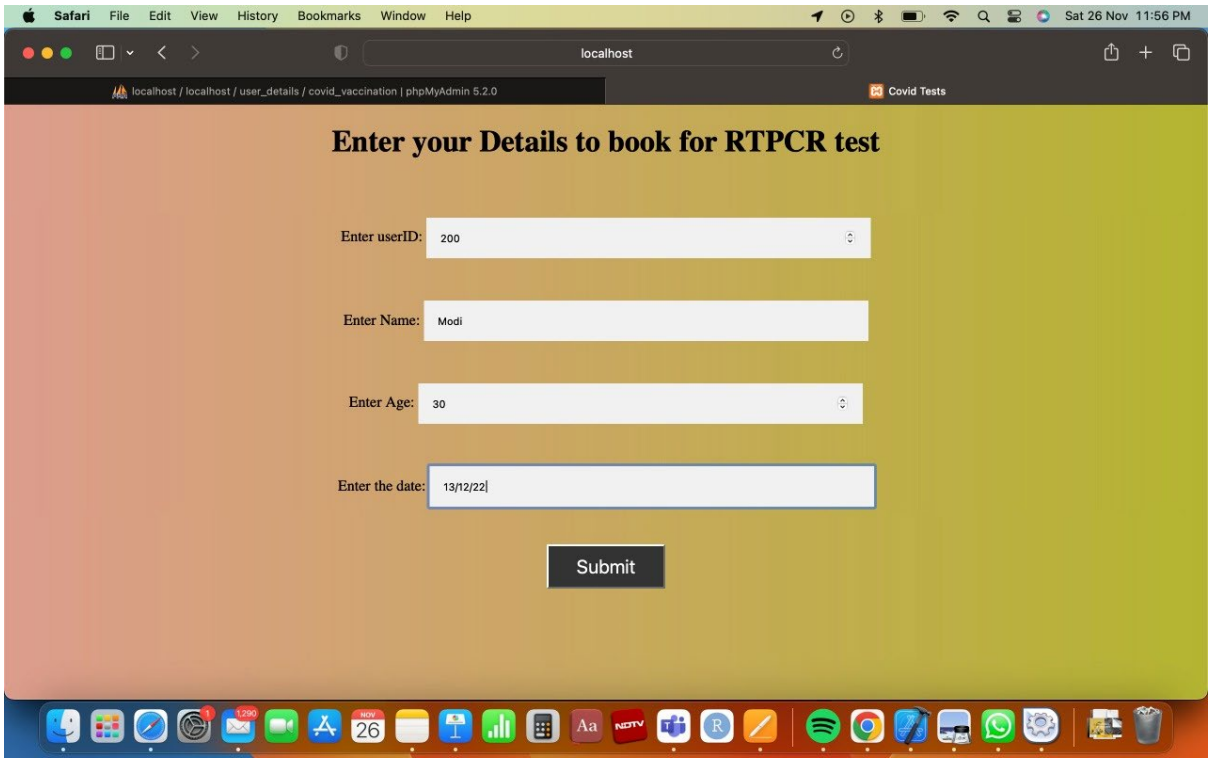
- The user can enter the disease number which will be given in the webpage to get information about that particular disease.

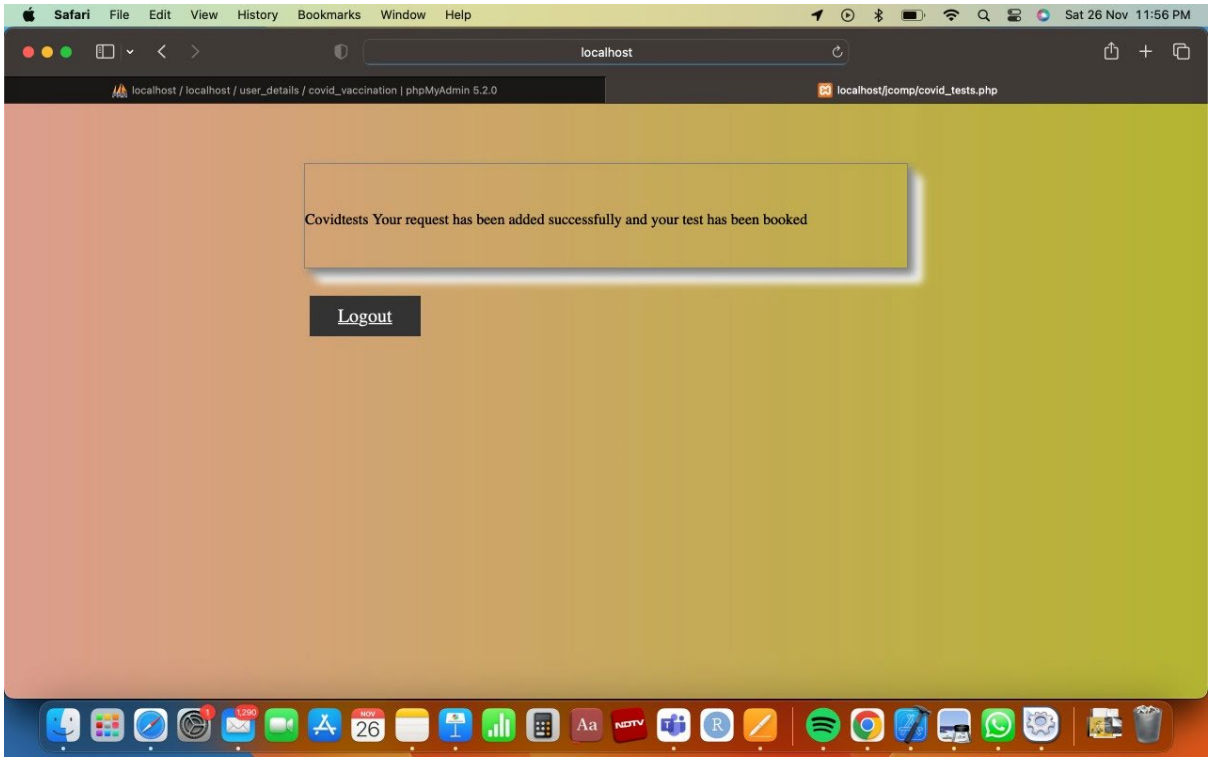




Covid Test:-

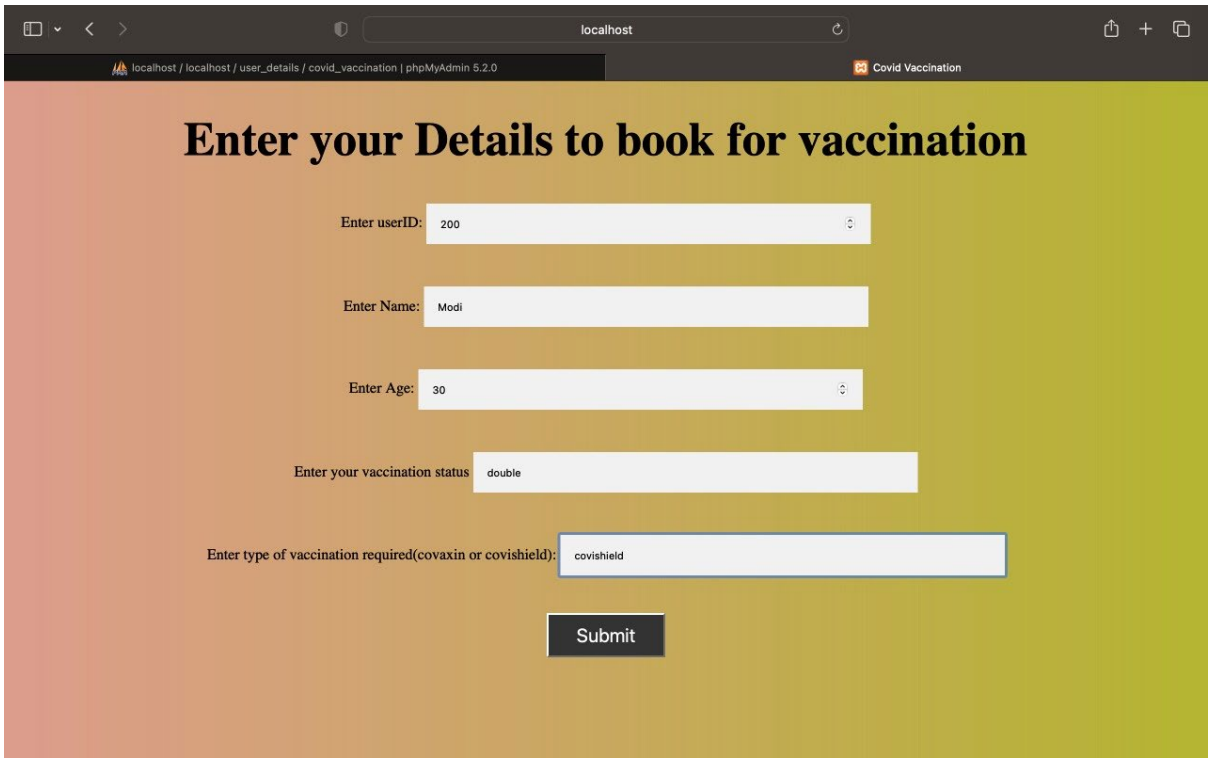
- In this module a user can book covid test slot by giving the required details.
- Their details will get stored in the database after they press the book slot option.

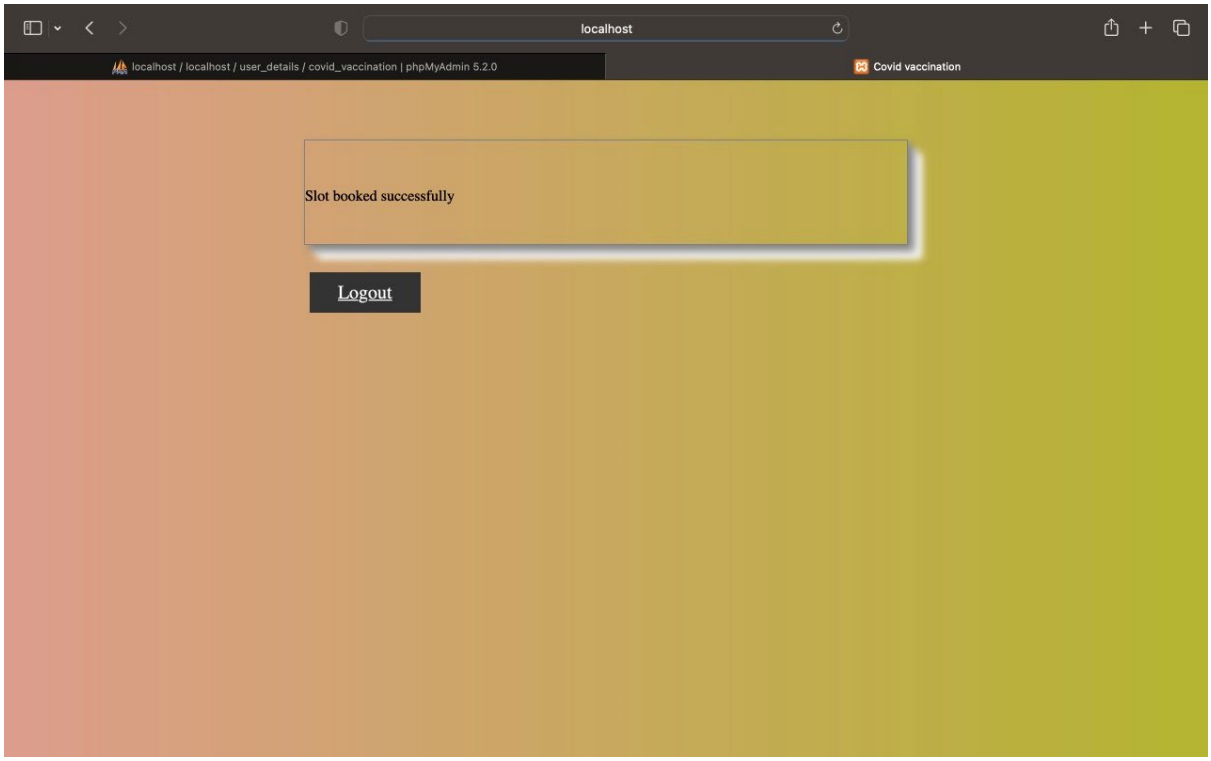




Covid Vaccination:-

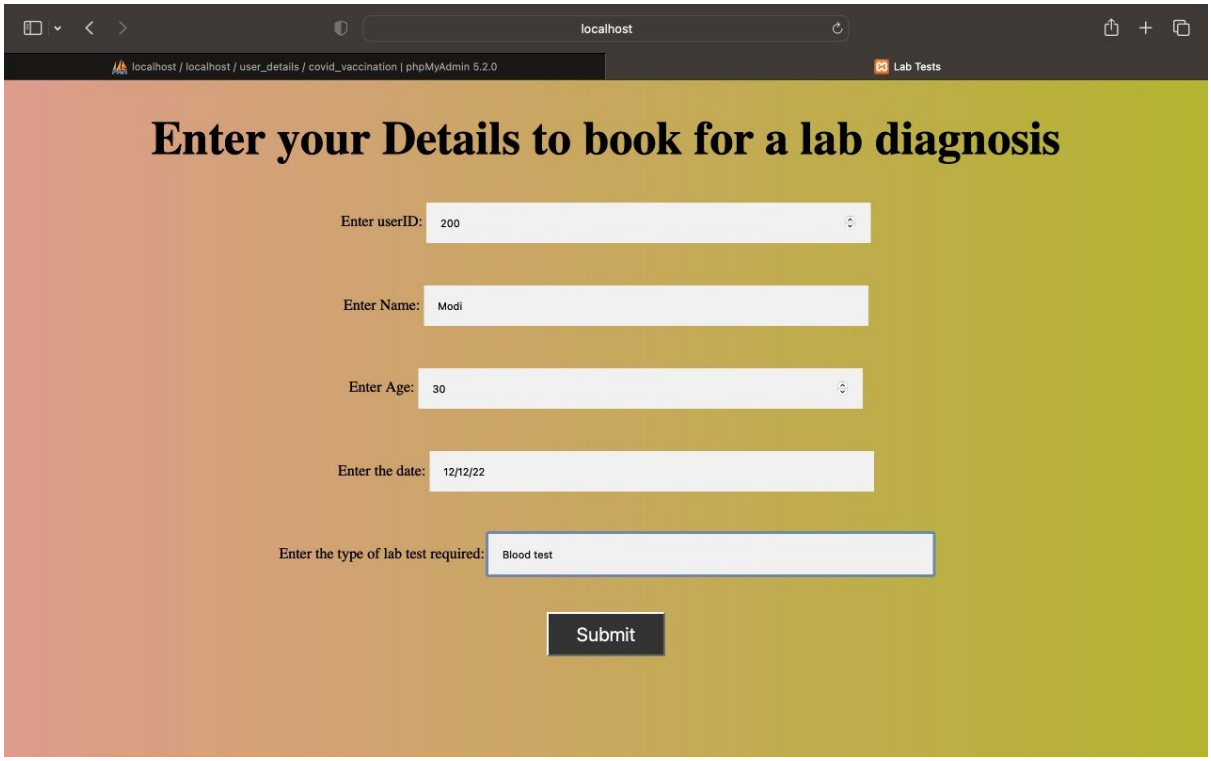
- In this module a user can book covid vaccination slot by giving the required details.
- Their details will get stored in the database after they press the book slot option.

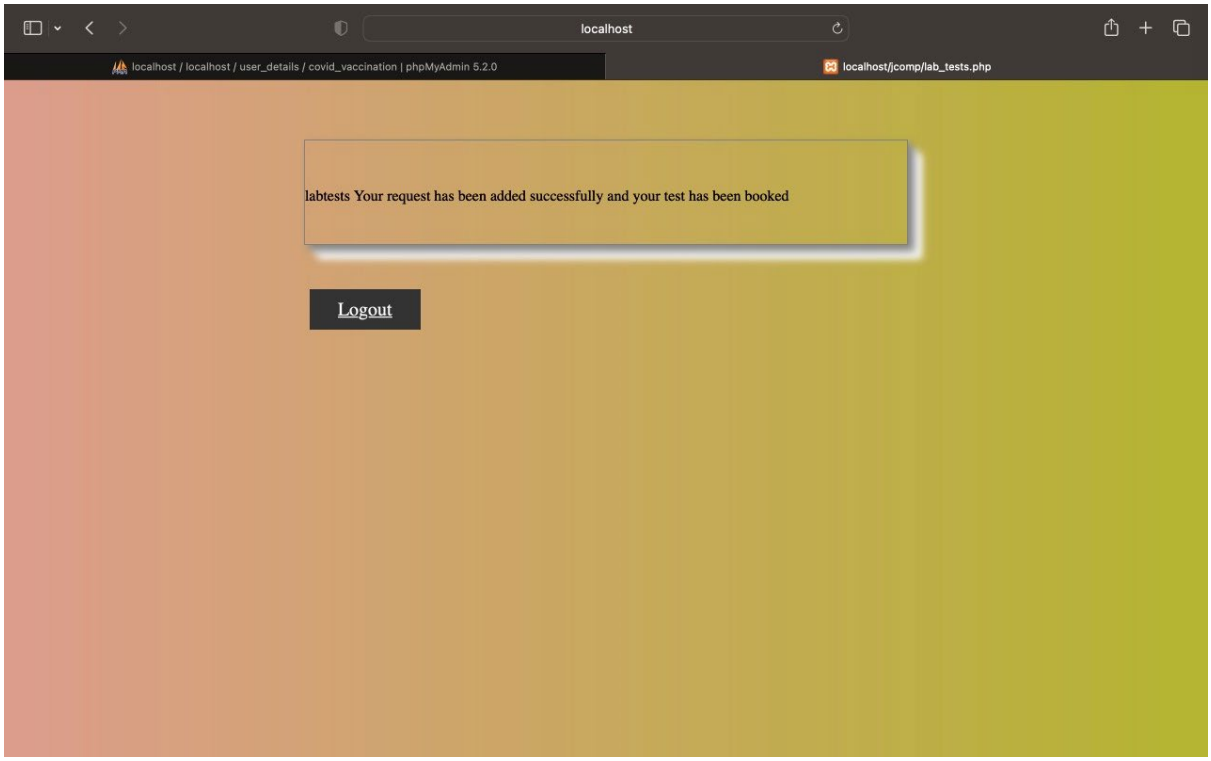




Lab Tests:-

- In this module a user can book any lab test slot by giving the required details.
- Their details will get stored in the database after they press the book slot option.


localhost
localhost / localhost / user_details / covid_vaccination | phpMyAdmin 5.2.0
Lab Tests
Enter your Details to book for a lab diagnosis
Enter userID: 200
Enter Name: Modi
Enter Age: 30
Enter the date: 12/12/22
Enter the type of lab test required: Blood test
Submit


localhost
localhost / localhost / user_details / covid_vaccination | phpMyAdmin 5.2.0
localhost/jcomp/lab_tests.php
labtests Your request has been added successfully and your test has been booked
Logout

CONCLUSION

The project was successfully created, tested and deployed from front end to backend. All the modules were working as per as the requirements defined for them. We got to learn about new frameworks and natural language processing. The project is open to future scalability, and we are planning to add components in which a person can give his daily food intake (calorie specific) and would retrieve data suggesting what all other nutritional needs he/she has for his/her body. We were exposed to a large variety of different kinds of techstacks. All the concepts taught to us in theory classes were helpful and thus we were able to connect and implement it in real life project and enhance our skills related to web development.