INTRODUCTION

1.INTRODUCTION

The **HERBAL HEALTHCARE PROJECT** helps the individuals to get proper health management. **HERBAL** means a type of medicine that uses roots, stems, leaves, flowers, or seeds of plants to improve health, prevent disease, and treat illness. **Herbal medicines** are generally gentler on the body. When taken at the recommended doses, natural treatments result in fewer side effects. By using a natural drug instead of a pharmaceutical one, you may be able to reduce your reliance on synthetic medications and avoid their possible side effects. This project discusses the benefits of shopping for herbal products and booking appointments at Ayurveda hospitals online. With the increasing demand for natural and organic products, shopping for herbal products online has become a popular trend. Online shopping provides convenience, accessibility, and a wider range of products to choose from. Additionally, booking appointments at Ayurveda hospitals online saves time and allows patients to schedule appointments at their convenience. The paper also highlights the importance of Ayurveda in promoting holistic healing and its effectiveness in treating chronic illnesses. Therefore, shopping for herbal products and booking appointments at Ayurveda hospitals online is a convenient and effective way to promote overall health and wellness.

1.1 OBJECTIVE

ONLINE APPOINTMENT BOOKING

The main objective of **ONLINE APPOINTMENT BOOKING** is to manage the details of Doctor, Appointment, patient, Booking, Doctor schedule. It manages all the information about Doctor, Doctor Fees, Doctor schedule.

Modules of Doctor Appointment System:

- Doctor Management Module: Used for managing the Doctor details
- Doctor Schedule Module: Used for managing the details of Doctor Schedule
- Doctor Fees Module: Used for managing the details of Doctor Fees
- Appointment Management Module: Used for managing the information and details of the Appointment
- Patient Module: Used for managing the Patient details
- Booking Module: Used for managing the Booking information
- Login Module: Used for managing the login details
- Users Module: Used for managing the users of the system

HERBAL PRODUCTS SELLING

This project helps the users in curing its disease by giving the list of fruits and herbs that the user should consume in order to get rid of its disease. The main purpose of this project is to help the user to easily search for herbs and fruits that will be good for the health of the user depending on any health issue or disease that he/she is suffering from.

MODULE

- Login-This module helps only the authorized users to log into the system.
- Add Item-This module allows the admin to add fruits and herbs to the system that can be searched by the user according to its disease.
- View details-This module also allows the user to view details of the selected fruit or herb.
- Add to cart-This module allows the user to place order for more than 1 item and add this information to the cart.
- Online shopping-The system also allows the user to place order for the selected fruits or the herbs.
- Cost calculation and payment- The system calculates total cost of the item placed in the cart and provides payment module.
- Hospital Search-The system also enables the user to search for the hospitals depending on the disease name entered by the user.

REGISTER USERS

- Book for online appointment.
- Set on profile.
- Update user profile.

SYSTEM ANALYSIS

2. SYSTEM ANALYSIS

System analysis is the process of gathering and interpreting facts, diagnosing problem and using the fact to improve the system. Analysis is the detail study of various operations performed by the system and their relationship with in and outside of the system. This involves gathering information and using structured tools for analysis. System analysis is the way of studying a system with an eye on solving its problem using computer. To analyse a system, one has to study the working of the system in detail. The system analyst has to understand the functioning and concept of system in detail. The system analyst has to understand the functioning and concept of system in detail, before designing the appropriate computebased system that will meet all the requirements of the existing system

2.1 EXISTING SYSTEM.

There is no such system existing with this latest mode of technologies. The existing system is completely time consuming. Using existing system is very difficult to select a product for our baby. This causes wastage of time.

LIMITATIONS OF EXISTING SYSTEM

- The existing system is using old technologies.
- More time consuming.
- This system is very slow process.
- The existing system is not hygienic.
- The existing system is overpriced.

2.2 PROPOSED SYSTEM

The proposed system overcomes the limitations since became online. It's time consuming and all the payments are done through banking transactions. There is a direct contact between the staff and the customer as well.

ADVANTAGES OF PROPOSED SYSTEM

- Desktop handle – User friendly.
- Provide users a better experience.
- Inform users with their updated services and rates.
- Highly efficient and Value of time.
- Every action has been provided with proper guidelines.
- Easy to maintain operations and money transactions.
- Provide high security measures.
- Quick process.

SYSTEM REQUIREMENTS

3. SYSTEM REQUIREMENTS

Frame work	**:**	**HTML 5**
Language	**:**	**Php**
IDE	**:**	**Dreamweaver**
Front End Design	**:**	**HTML 5, CSS 3.0**
Validation	**:**	**JavaScript 1.1**
Server	**:**	**Apache Server**
Back End Database	**:**	**MySQL 5.1**
Database IDE	**:**	**phpMyAdmin**
Processor	**:**	**Intel CORE i3**
RAM	**:**	**2 GB**

Item	Requirements
Hardware	Memory of 4 GB or more Intel Pentium III or more 1 GB (or more) available hard disk space
Operating System	Windows 10 or above
Software Development Kit	HTML 5
Database ODBC Driver	MySQL

FEASIBILITY STUDY

4. FEASIBILITY STUDY

The main objective of this study is to determine whether the proposed system is feasible or not. Mainly there are three types of feasibility study to which the proposed system is subjected to as described below:

- Economic feasibility
- Technical feasibility
- Behavioural feasibility

The proposed system must be evaluated from a technical view point first, and if technically feasible then their impact on organization must be accessed. If compatible, the behavioural system can be devised. Then those must be tested for economic feasibility.

4.1 ECONOMIC FEASIBILITY

Economic analysis is used for evaluating the cost effectiveness of a proposed system. Economically saying, our application is never cost related. It is easy to implement and the user can conveniently use our application without any kind of exceptions or errors. Our application is very simple to interact is economically feasible.

4.2 TECHNICAL FEASIBILITY

The technical requirements of our system are highly affordable. There is no any difficulty in migrating from the existing to our proposed system. It is platform independent the application will run smoothly on any kernel without causing any trouble to end user.

4.3 BEHAVIORAL FEASIBILITY

The system is intended for personal uses. Since the software is simple and provides a good Graphical User Interface, it provides high level user.

SYSTEM IMPLEMENTATION

5. SYSTEM IMPLEMENTATION

The implementation and the maintenance are the last phase of software development life cycle. After testing is performed, that is checked whether the system works in the proper manner by putting realistic data items, the system is implemented in the client's computer. Here is the most important part that is user training. The working of the system is explained to the user. The main objective of their part is that the user will be able to understand the different process. Only the external working is implemented system satisfies the user various needs. Implementation is the stage of the project where the theoretical design is turned into working system, in this stage the installation of the package in the real environment, to the satisfaction of the intended user and the operation of the system. Implementation includes all those activities that take place to convert from the old system to new one. The new system may be totally new, replacing an existing system manual automates system or it may be a major modification to an existing system. Proper implementation is essential to provide reliable system to meet organization requirements, successful implementation may not guarantee improvement in the organization using the new system, but improper installation will prevent it.

The process of putting the developed system in actual use is called system implementation. This include all those activities that take place convert from the old system to new system can be implemented only after through testing is done and if it is found to be working according to the specification. The system personnel check the feasibility of the system.

The most crucial stage is achieving a new system for the user that will work efficiently. It involves careful planning, investigation of the current system and its constraints on implementation, design of methods achieve the changeover. The complex system being implemented, more involved will be the system analysis and the design required effort required just for implementation. The implementation stage involves the following tasks:

- Careful planning.
- Investigating of system and constraint. 16
- Design of methods to achieve the changeover.
- Training of staff in the changeover phase.
- Evaluation of the changeover method.

5.1 TRAINING

After providing the necessary basic training on the computer awareness the users will have to be trained on the new system such as screen flow, screen design, type of help on the screen, type of errors while entering the data the corresponding validation check at each entry and the ways to correct the data entered. It should then cover information needed by the specific user/group to use the system while imparting the training of the program on the application

5.2 CONVERSION

It is the process of performing all of the operation that result directly in the turnover of the new system to the user conversion has two parts:

- The creation of the conversion plan at the start of the development phase and the implementation of the plan throughout the development phase.
- The creation of a system changes over plan at the end of the development phase and the implementation of the plan at the beginning of the operation phase.

5.3 POST IMPLEMENTATION REVIEW

The post implementation review in the implementation process as a whole is conducted after the implementation of the actual software in the site. It is conducted using the review document. This may contain the answers to the following question.

- What was the purpose of the project?
- What would you like about the implementation process?
- What thinks would you change if you had to do it again tomorrow?

5.4 SYSTEM MAINTENANCE

Once the software is fully developed and implemented, the company starts to use the software. The company also goes and more division can be attached to the company, or the database of the company can grow in size. So after sometime the software, which has been installed, needs some modification. If the software need modification all the step needed to develop new software has to be executed.

The need has to be studied, the design has to be made and coding has to be done. Then the new module has to be connected to the existing software modules. Once the software is working perfect also, we have to do routine testing and any new bug is found out, immediately it has to be fixed. No software ever developed will be bug free forever. When a new situation arises, the software can create an error, but if it is found out and repaired the software will not causing more problems. Always maintenance has to be done on the software, for to make the software work perfectly without any errors. Maintenance of the software is one of major step in the computer animation software which is developed by the engineer, should undergo maintenance process in regular interval of time goes on new problems arise and it must be corrected accordingly.

Maintenance and enhancement are a long-term process. Various types of maintenance that can be made:

- Corrective Maintenance
- Adaptive Maintenance
- Prefecture Maintenance

- Reverse Engineering
- Re Engineering

DATA FLOW DIAGRAM

6.DATA FLOW DIAGRAM

6.1 INTRODUCTION TO DATA FLOW DIAGRAM

A **data-flow diagram** (DFD) is a way of representing a flow of a data of a process or a system (usually an information system). The DFD also provides information about the outputs and inputs of each entity and the process itself. A data-flow diagram has no control flow, there are no decision rules and no loops.

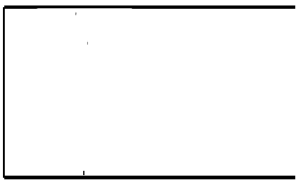
Specific operations based on the data can be represented by a flowchart. There are several notations for displaying data-flow diagrams.

For each data flow, at least one of the endpoints (source and / or destination) must exist in a process. The refined representation of a process can be done in another data-flow diagram, which subdivides this process into sub-processes.

A DFD shows what kind of information will be input to and output from the system, how the data will advance through the system, and where the data will be stored. It does not show information about the timing of process or information about whether processes will operate in sequence or in a parallel unlike a flowchart which also shows this information

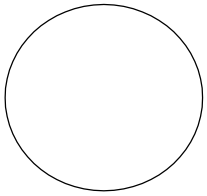
To construct a Data Flow Diagram,we use:

It represents data source or destination



It represents the data store

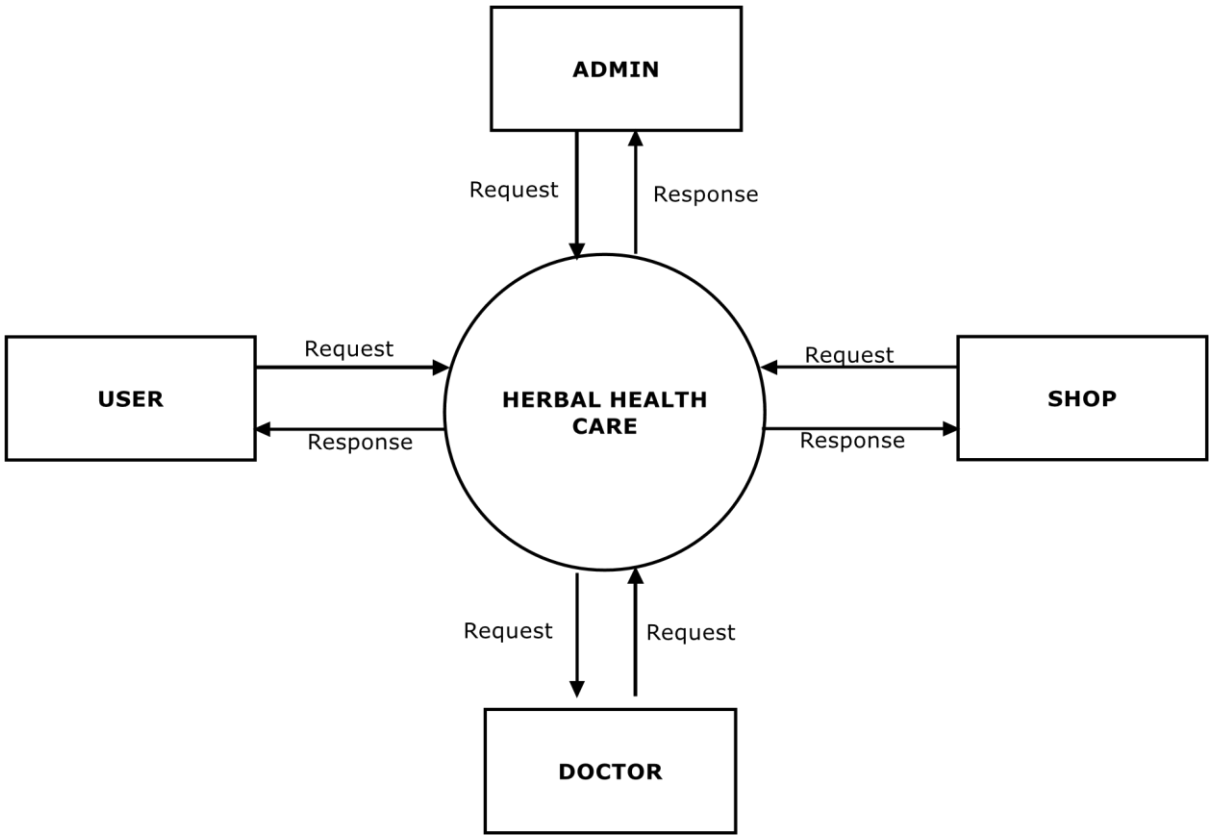
It represents flow of data



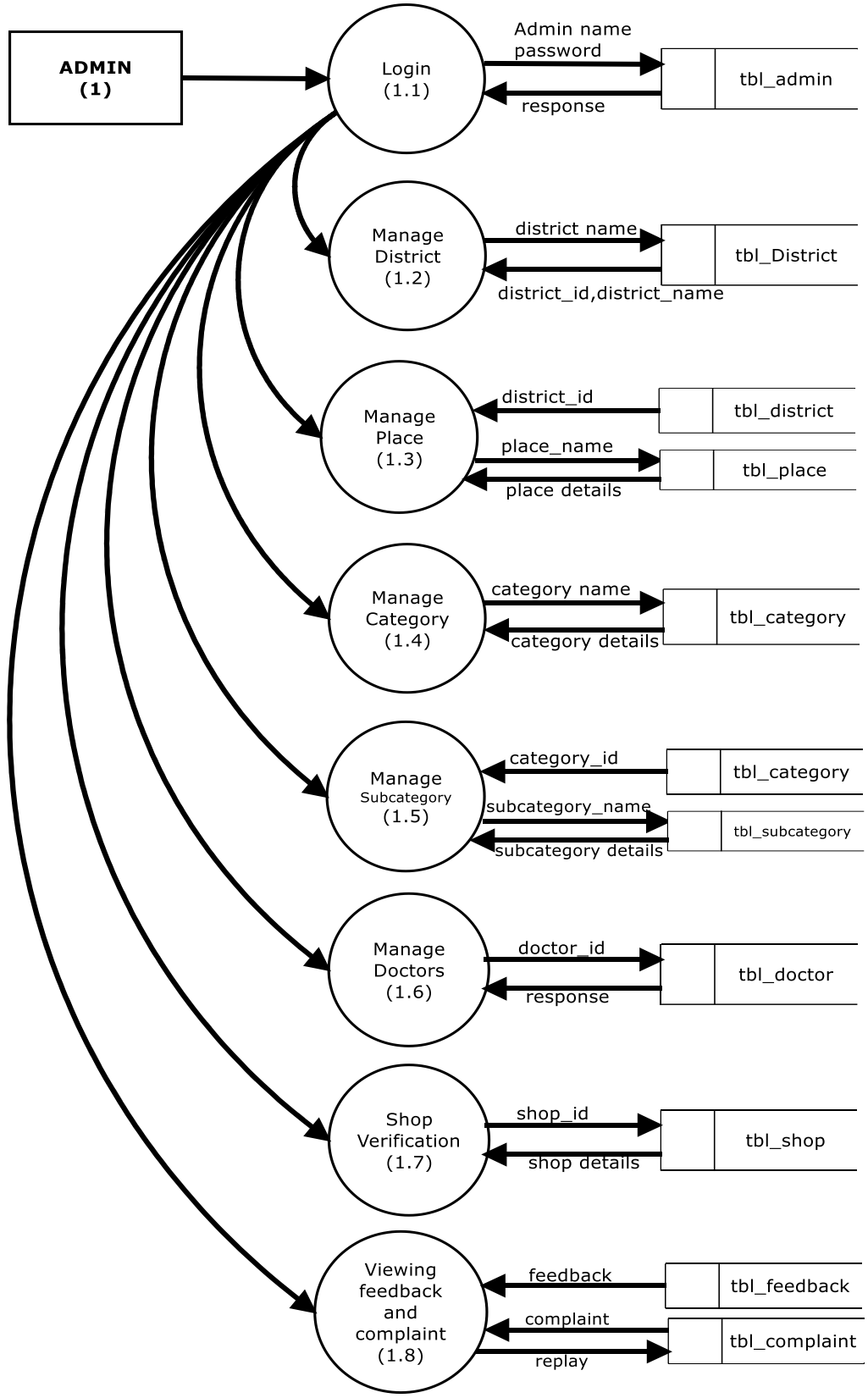
It represents a process

that transforms the data

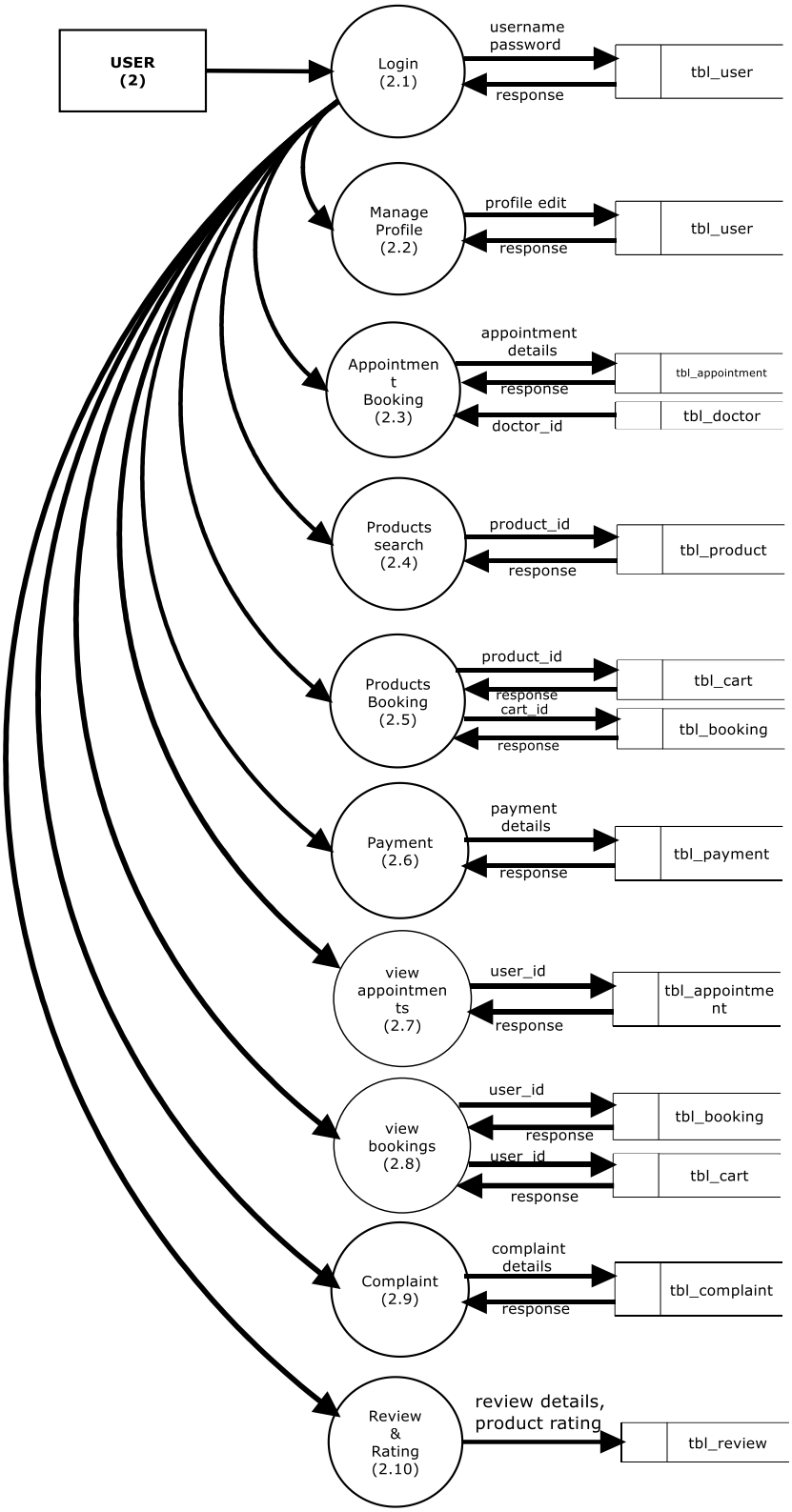
6.2 CONTEXT LEVEL



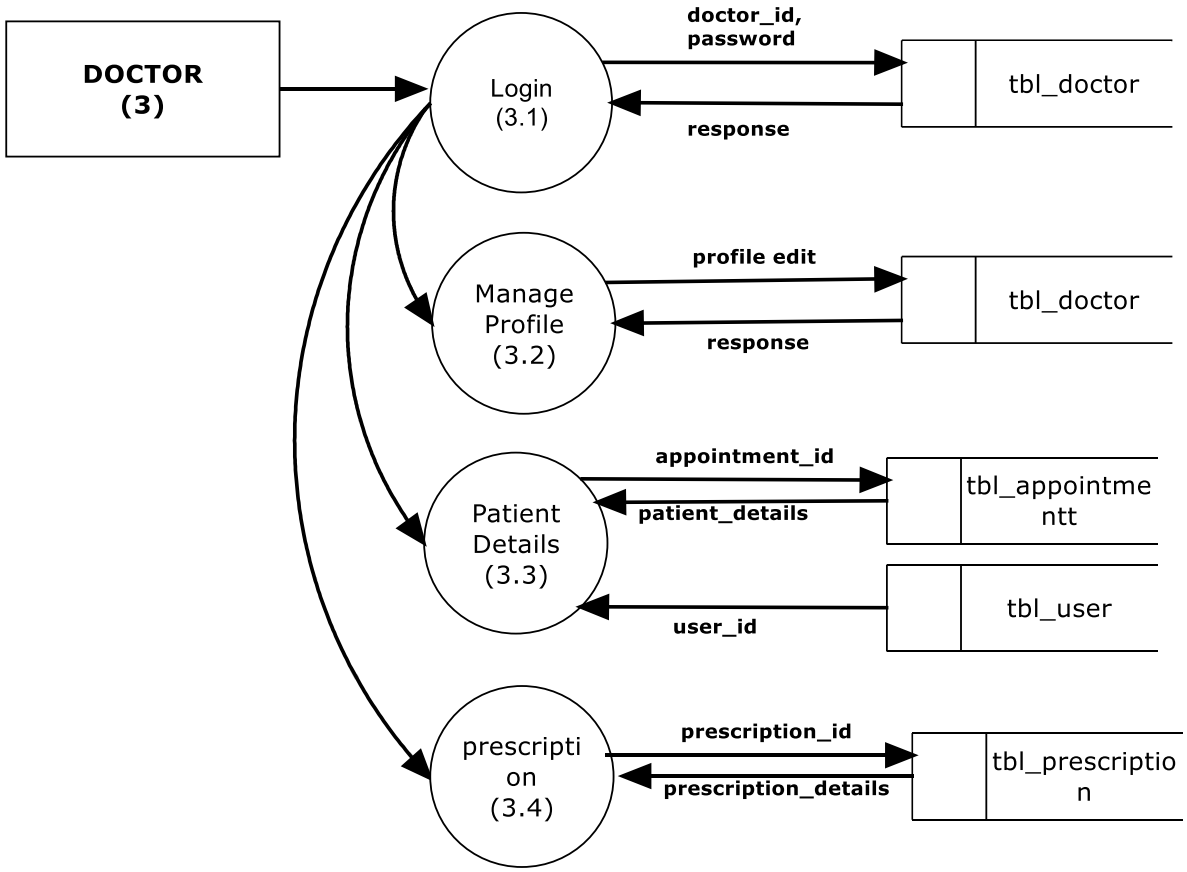
6.3 ADMIN LEVEL



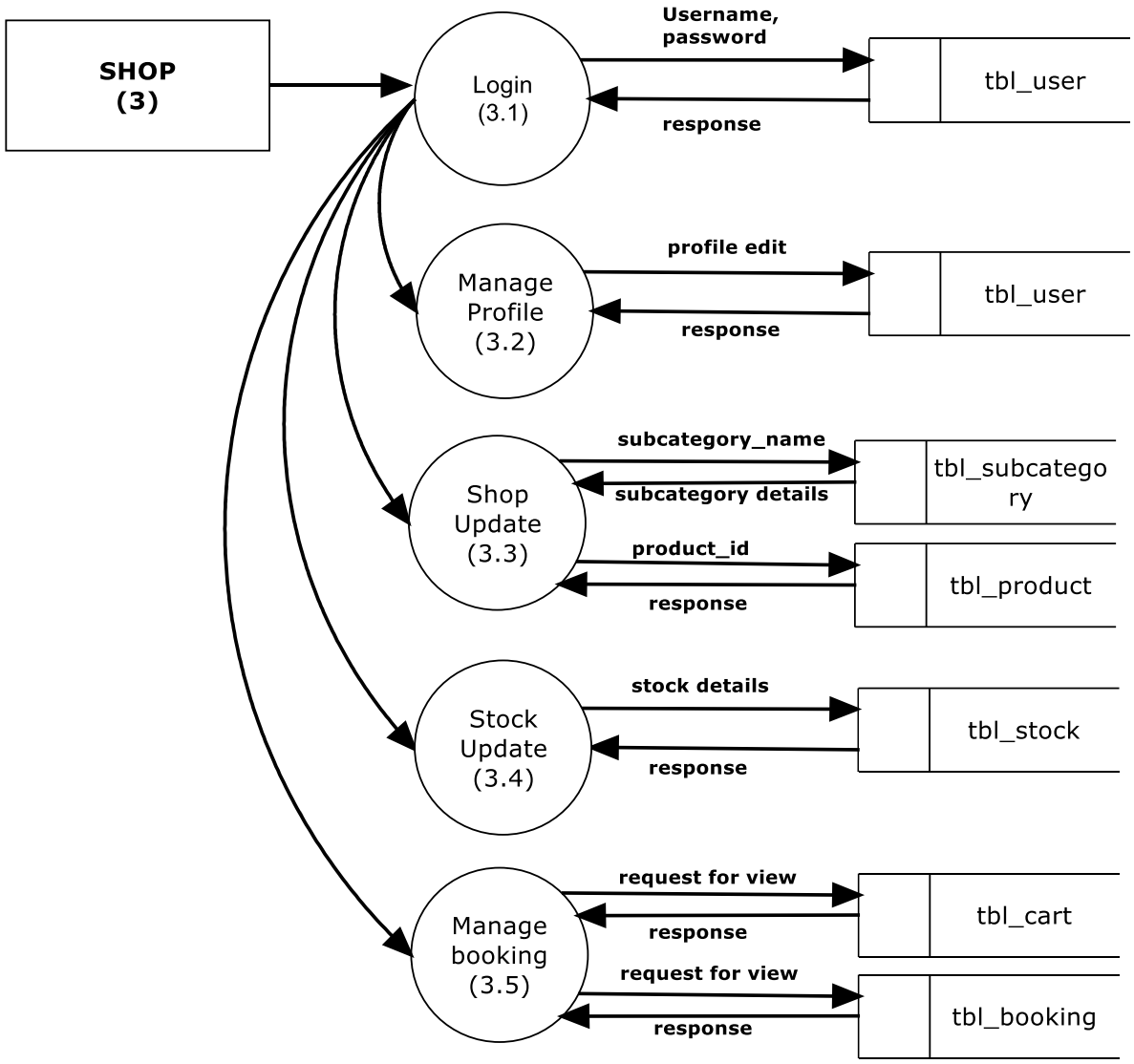
6.4 USER LEVEL



6.5 DOCTOR LEVEL



6.6 SHOP LEVEL



SYSTEM DESIGN

7.SYSTEM DESIGN

7.1 INTRODUCTION TO SOFTWARE DESIGN

System design is the creative act of invention developing new inputs, a database offline files, method, procedures and output for processing business data to meet organization objectives. The design phase focuses on the detailed implementation of the system recommended in the feasibility study. The design phase is a transition from useroriented document to a document oriented to the programmers or database personnel.

Characteristics of a well-designed system are:

- Accessibility
- Decision making ability
- Economy
- Flexibility
- Reliability
- Simplicity

The design will determine the success of the system. System design is based on the information gathered during system analysis. System design goes through two phases of development.

- Logical design- DFD shows the logical flow of a system and defines the boundaries of the system. For the candidate the system it describes the input, outputs, databases and procedures-all in a format that meets the user's requirements.

- Physical design – This produces the working system by defining the design specification that tells programmers exactly what the candidate system must do.

7.2 INPUT DESIGN

Input design is the link that ties the information system into the world of its users. The input design involves determining what the inputs are, how the data should be performed, how to validate data, how minimize data entry and how to provide a multi-user facility inaccurate. Input data are the most common cause of error in data processing. Errors entered by data entry operators can be controlled by input design. Input design is the process of converting user.

Originated inputs to a computer-based format. Input data are collected and organized into groups of similar data. Once identified, appropriate input media are selected for processing. All the input data validated in the order and if any data violates any condition, the user is warned by a message. If the data satisfies all the conditions, then it is transferred to the appropriate tables in the database.

7.3 OUTPUT DESIGN

Output design involves specifying how production of onscreen reports and pagebased reports will occur. Output may occur to database or file for storing information entered or also for use by other systems. Computer output is the most important and direct source of information to the user. Output design is a very important phase because the output needs to be in an attractive manner. Efficient, intelligible output design improves the system relationship with the user and help in decision making. A major form of the output is the hard copy from the printer and screen reports. Printouts are designed around the output requirements of the user. Allowing the user to view to the sample screen is important because the user is ultimate judge of the quality of output. The output model of this system is the user-friendly window.

These user-friendly windows are meant for the purpose of easy view of the stored information.

7.4 DATABASE DESIGN

A database is a collection of data. Database design refers to the design of the tables used to store data. The database involves name of records, data item with its name, type and size.

In the design of the database program first we have to thoroughly look into the requirements of the program for the design of database. Then we have to design how much tables are required in the database. Thereafter as per the requirement of the end users we can decide which fields that must be in this table. As per a general rule a provision must be taken in the design for the future enhancement of the program. Some of important tables are

TABLE NO:1

Table Name : **tbl_admin**
Primary Key : **admin_id**
Foreign Key : **Null**
Table Description: **Admin details**

Filed Name	Data Type	Constraints	Description
admin_id	Int	Primary Key	Admin Id
admin_name	Varchar (30)	Not Null	Admin name
admin_email	Varchar (50)	Not Null	Admin email
admin_password	Varchar (30)	Not Null	Admin password

TABLE NO:2

Table Name : **tbl_district**
Primary Key : **district_id**
Foreign Key : **Null**
Table Description: **District details**

Field Name	Data Type	Constraints	Description
district_id	Int(11)	Primary Key	District Id
district_name	Varchar (30)	Not Null	District name

TABLE NO:3

Table Name : **tbl_place**
Primary Key : **place_id**
Foreign Key : **district_id**
Table Description: **Place details**

Field Name	Data Type	Constraints	Description
place_id	Int(11)	Primary Key	Place Id
place_name	Varchar (50)	Not Null	Place name
district_id	Int(11)	Foreign Key	District Id

TABLE NO:4

Table Name : **tbl_category**

Primary Key : **category_id**
Foreign Key : **Null**
Table Description: **Category details**

Field Name	Data Type	Constraints	Description
category_id	Int(11)	Primary Key	Category Id
category_name	Varchar (30)	Not Null	Category name

TABLE NO:5

Table Name : **tbl_subcategory**

Primary Key : **subcategory_id**
Foreign Key : **category_id**
Table Description: **Subcategory details**

Field Name	Data Type	Constraints	Description
subcategory_id	Int(11)	Primary Key	Subcategory id
subcategory_name	Varchar (30)	Not Null	Subategory name
Category_id	Int(11)	Foreign Key	Category id

TABLE NO:6

Table Name : **tbl_doctor**
Primary Key : **doctor_id**
Foreign Key : **dept_id , Place_id**
Table Description : **doctor details**

Field Name	**Data Type**	**Constraints**	**Description**
Doctor_id	Int(11)	Primary Key	Doctor Id
doctor_name	Varchar (30)	Not Null	Doctor name
doctor_photo	Varchar(500)	Not Null	Doctor photo
doctor_prof	Varchar(500)	Not Null	Prof of doctor
dept_id	Int	Foreign Key	Dept id
place_id	Int	Foreign Key	Place id
doctor_gender	Varchar(30)	Not Null	Gender of doctor
doctor_prof	Varchar(500)	Not Null	Prof of doctor
doctor_email	Varchar(50)	Not Null	Doctor email
doctor_address	Varchar (500)	Not Null	Doctor address
doctor_dob	Varchar (20)	Not Null	Doctor date of birth
doctor_designation	Varchar(30)	Not Null	Designation
doctor_verification	Boolean	Not Null	Verification of doctor
doctor_contact	Varchar (20)	Not Null	Doctor contact
doctor_password	Varchar (30)	Not Null	Doctor password

TABLE NO:7

Table Name : **tbl_availability**

Primary Key : **availability_id**
Foreign Key : **doctor_id**
Table Description: **Relation details**

Field Name	Data Type	Constraints	Description
availability_id	Int(11)	Primary Key	Availability Id
doctor_id	Int(11)	Foreign Key	Doctor id
from_time	Varchar(30)	Not Null	From time(starting time)
to_time	Varchar(30)	Not Null	Totime (ending time)

TABLE NO:8

Table Name : **tbl_shop**
Primary Key : **shop_id**
Foreign Key : **place_id**
Table Description: **Shop details**

Field Name	Data Type	Constraints	Description
shop_id	Int(11)	Primary Key	Shop Id
shop_name	Varchar (30)	Not Null	Shop name
shop_photo	Varchar (30)	Not Null	Photo
Shop_prof	Varchar(30)	Not Null	Shop prof
place_id	Int (11)	Foreign Key	Place id
shop_email	Varchar(50)	Not Null	Shop email
shop_address	Varchar (500)	Not Null	Shop address
shop_contact	Varchar (30)	Not Null	Shop contact
shop_password	Varchar (30)	Not Null	Shop password

TABLE NO:9

Table Name : **tbl_user**
Primary Key : **user_id**
Foreign Key : **place_id**
Table Description: **Country details**

Field Name	Data Type	Constraints	Description
user_id	Int(11)	Primary Key	User Id
user_name	Varchar (30)	Not Null	User name
user_contact	Varchar (30)	Not Null	User contact
user_email	Varchar (50)	Not Null	User email
user_address	Varchar (500)	Not Null	User address
place_id	Int(30)	Foreign Key	Place Id
user_gender	Varchar (20)	Not Null	User gender
user_dob	Varchar (20)	Not Null	User date of birth
user_password	Varchar (30)	Not Null	User password

TABLE NO:10

Table Name : **tbl_booking**
Primary Key : **booking_id**
Foreign Key : **user_id**
Table Description: **Booking details**

Field Name	Data Type	Constraints	Description
booking_id	Int(11)	Primary Key	Booking Id
booking_date	Varchar (30)	Not Null	Booking date
booking_amount	Int(11)	Not Null	Booking amount
user_id	Int(11)	Foreign Key	User Id
booking_status	Varchar (500)	Not Null	Booking status

TABLE NO:11

Table Name : **tbl_product**
Primary Key : **product_id**
Foreign Key : **Subcategory_id,Shop_id**
Table Description: **product details**

Field Name	Data Type	Constraints	Description
product_id	Int(11)	Primary Key	Product Id
product_name	Varchar (30)	Not Null	Product name
product_photo	Varchar (500)	Not Null	Product photo
product_details	Varchar (500)	Not Null	Product contact
subcategory_id	Int (11)	Foreign Key	Subcategory id
update_date	Varchar (10)	Not Null	Update date
shop_id	Int(11)	Foreign Key	Shop Id
product_price	Int(11)	Not Null	Product price

TABLE NO 12

Table Name : tbl_cart
Primary Key : tbl_id
Foreign Key : booking_id,product_id
Table Description : cart details

Field Name	Data Type	Constraints	Description
cart_id	Int (11)	Primary Key	Cart Id
Cart_quantity	Int (30)	Not Null	Cart quantity
Cart_status	Varchar (30)	Not Null	Cart status
booking_id	Int (11)	Foreign Key	Booking Id
product_id	Int(11)	Foreign Key	Product Id
user_id	Int(11)	Foreign Key	User Id

TABLE NO:13

Table Nmae : tbl_payment
Primary Name : tbl_payment
Foreign Key : booking_id,user_id,transaction_id
Table Description : Payment details

Field Name	Data Type	Constraints	Description
payment_id	Int(11)	Primary Key	Payment Id
payment_name	Varchar (30)	Not Null	Payment name
transaction_amount	Int(11)	Not Null	Transaction amount
transaction_id	Int(11)	Foreign Key	Transaction id
user_id	Int(11)	Foreign Key	User Id
booking_id	Int(11)	Foreign Key	Booking Id

TABLE NO:14

Table Name : **tbl_patient**
Primary Key : **patient_id**
Foreign Key : **user_id**
Table Description : **patient details**

Field Name	Data Type	Constraints	Description
patient_id	Int(11)	Primary Key	Patient Id
patient_name	Varchar (30)	Not Null	Patient name
patient_details	Varchar (500)	Not Null	Patient details
user_id	Int(11)	Foreign Key	User Id

TABLE NO:15

Table Name : **tbl_stock**
Primary Key : **stock_id**
Foreign Key : **product_id**
Table Description: **Stock details**

Field Name	Data Type	Constraints	Description
stock_id	Int (11)	Primary Key	Stock Id
stock_date	Varchar (30)	Not Null	Stock date
stock_quantity	Int (11)	Not Null	Stock quantity
product_id	Int	Foreign Key	Product Id

TABLE NO:16

Table Name : **tbl_department**
Primary Key : **dept_id**

Foreign Key : **Null**
Table Description: **department details**

Field Name	**Data Type**	**Constraints**	**Description**
dept_id	Int	Primary Key	Dept Id
dept_name	Varchar (30)	Not Null	Dept name

TABLE NO:17

Table Name : **tbl_appointment**
Primary Key : **appointment_id**
Foreign Key : **patient_id, user_id**
Table Description: **Appointment details**

Field Name	**Data Type**	**Constraints**	**Description**
appointment_id	Int(11)	Primary Key	Appointment Id
patient_id	Int (11)	Foreign Key	Patient Id
user_id	Int (11)	Foreign Key	User Id
booking_time	varchar (30)	Not Null	Booking time

TABLE NO:18

Table Name : **tbl_feedback**
Primary Key : **feedback_id**
Foreign Key : **booking_id**
Table Description: **Feedback details**

Field Name	Data Type	Constraints	Description
feedback_id	Int	Primary Key	Feedback Id
feedback_rating	Varchar (50)	Not Null	Feedback rating
feedback_comment	Varchar (200)	Not Null	Feedback comment
booking_id	Int	Foreign Key	Booking Id
feedback_date	Varchar (50)	Not Null	Feedback date

TABLE NO:19

Table Name : **tbl_complaint**
Primary Key : **complaint_id**
Foreign Key : **booking_id,product_id,user_id**
Table Description: **Complaint details**

Field Name	Data Type	Constraints	Description
complaint_id	Int	Primary Key	Complaint Id
complaint_date	Varchar (30)	Not Null	Complaint date
complaint_details	Varchar (500)	Not Null	Complaint details
complaint_status	Varchar (500)	Not Null	Complaint status
complaint_reply	Varchar (500)	Not Null	Complaint reply
booking_id	Int (11)	Foreign Key	Booking Id
product_id	Int(11)	Foreign Key	Product Id
user_id	Int(11)	Foreign Key	User Id

SECURITY TECHNOLOGIES

8. SECURITY TECHNOLOGIES

8.1 SECURITY TECHNOLOGIES AND POLICIES

Maintenance involves the software industry captive, typing up system resources. It means restoring something to its original condition. Maintenance follows conversion to the extend. That change is necessary to maintain satisfactory operations relative to changes in the user's environment. Maintenance often includes minor enhancements or corrections to problems that surface in the system's operation. Maintenance is also done based on fixing the problems reported, changing the interface with other software or hardware enhancing the software.

Any system developed should be secured and protected against possible hazards. Security measures are provided to prevent unauthorized access of the database at various levels. An uninterrupted power supply should be so that the power failure or voltage fluctuations will not erase the data in the files. Password protection and simple procedure to prevent the unauthorized access are provided to the users. The system allows the user to enter the system only through proper username and password.

MAINTENANCE

9. MAINTENANCE

Maintenance is the process of modifying a software system or component after its delivery in order to correct faults, improve the performance and other attributes or to adapt to the changed environment. In “HERBAL”, maintenance covers a wide range of activities including correcting the coding and design errors, updating the documentation and test data and upgrading the user support. Maintenance involves the software industry captive, typing up system resources. It means restoring something to its original condition. Maintenance follows conversion to the extend. The change is necessary to maintain satisfactory operations relative to changes in the user’s environment. Maintenance often includes minor enhancements or corrections to problems that surface in the system’s operations. Maintenance is also done based on fixing the problems reported, changing the interface with other software or hardware enhancing the software. Hardware also requires periodic maintenance to keep the system in to its standards.

The future updates and maintenance can be done in this system even if it is delivered to the user. By modifying system after it has been put into use, modifies the existing components and adds new components to the system. Maintenance is not only bug fixing but also adapting the software to changing requirements, changing environment etc.

CONCLUSION AND FUTURE ENHANCEMENT

10. CONCLUSION AND FUTURE ENHANCEMENT

The entire project has been developed and deployed as per the requirements stated by the user, it is found to be bug free as per the testing standards that are implemented. Any specification- untraced errors will be concentrated in the coming versions, which are planned to be developed in the near future. The system at present does not take care of lower-level check constraints in accessing the file types in distributed environments, which is to be considered in the future up gradations.

The future updates and maintenance can be done in this system even if it is delivered to the user. By modifying a system after it has been put into use, modifies the existing components and adds new components to the system. Maintenance is not only bug fixing but also adapting the software to changing requirements, changing environment etc.

APPENDIX

11.APPENDIX

11.1 CODES

DOCTOR VERIFICATION

```
<?php
include("Header.php");
 include("../Asset/Connection/Connection.php");
 if(isset($_GET['accept']))
 {
  $up="update tbl_doctor set doctor_vstatus=1 where doctor_id=".$_GET['accept'];
  $conn->query($up);
 }
 if(isset($_GET['reject']))
 {
   $up="update tbl_doctor set doctor_vstatus=2 where doctor_id=".$_GET['reject'];
  $conn->query($up);
 }

 $sel="select * from tbl_doctor where doctor_vstatus='0'";
 $row=$conn->query($sel);
 $i=0;
?>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
<title>Doctor Verification</title>
</head>
<body>
<table border="2" align="center">
 <tr>
  <td>SL.NO</td>
  <td>Doctor name</td>
  <td>Doctor contact</td>
  <td>Doctor address</td>
  <td>Doctor email</td>
  <td>Doctor Proof</td>
  <td>Doctor Photo</td>
  <td colspan="2" align="center">Action</td>
 </tr>
```

```
 <?php
  while($val=$row->fetch_assoc())
  {
   $i++;
?>
 <tr>
  <td><?php echo $i?></td>
  <td><?php echo $val["doctor_name"]?></td>
  <td><?php echo $val["doctor_contact"]?></td>
  <td><?php echo $val["doctor_address"]?></td>
  <td><?php echo $val["doctor_email"]?></td>
        <td><img src="../Asset/Files/Doctor/<?php echo $val["doctor_proof"]?>"
height="50",width="50"/></td>
        <td><img src="../Asset/Files/Doctor/<?php echo $val["doctor_photo"]?>"
height="50",width="50"/></td>
            <td><a href="DoctorVerification.php ?accept=<?php echo
$val['doctor_id']?>"><button><font color="#00FF00">Accept</font></button></a></td>

 <td><a href="DoctorVerification.php ?reject=<?php echo
$val['doctor_id']?>"><button><font color="#FF0000">Reject</font></button></a></td>

 </tr>
 <?php
  }
?>
</table>
</body>
</html>
<?php
include("Footer.php");
?>
```

SHOP VERIFICATION

```
<?php
include("Header.php");
 include("../Asset/Connection/Connection.php");

 if(isset($_GET['accept']))
 {
      $up="update tbl_shop set shop_vstatus=1 where
shop_id=".$_GET['accept'];
```

```
   $conn->query($up);
 }
 if(isset($_GET['reject']))
 {
        $up="update   tbl_shop   set   shop_vstatus=2   where
shop_id=".$_GET['reject'];
   $conn->query($up);
 }

 $sel="select * from tbl_shop where shop_vstatus='0'";
 $row=$conn->query($sel);
 $i=0;
?>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<meta       http-equiv="Content-Type"       content="text/html;
charset=utf-8" />
<title>Shop Verification</title>
</head>
<body>
<table border="2" align="center">
 <tr>
  <td>SL.NO</td>
  <td>Shop name</td>
  <td>Shop contact</td>
  <td>Shop address</td>
  <td>Shop email</td>
  <td>Shop Proof</td>
  <td>Shop Photo</td>
  <td colspan="2" align="center">Action</td>
 </tr>
 <?php
  while($val=$row->fetch_assoc())
  {
    $i++;
?>
 <tr>
```

```
  <td><?php echo $i?></td>
  <td><?php echo $val["shop_name"]?></td>
  <td><?php echo $val["shop_contact"]?></td>
  <td><?php echo $val["shop_address"]?></td>
  <td><?php echo $val["shop_email"]?></td>
        <td><img       src="../Asset/Files/Shop/<?php       echo
$val["shop_proof"]?>" height="50",width="50"/></td>
        <td><img       src="../Asset/Files/Shop/<?php       echo
$val["shop_photo"]?>" height="50",width="50"/></td>
     <td><a   href="ShopVerification.php   ?accept=<?php   echo
$val['shop_id']?>"><button><font
color="#00FF00">Accept</font></button></a></td>

 <td><a    href="ShopVerification.php    ?reject=<?php    echo
$val['shop_id']?>"><button><font
color="#FF0000">Reject</font></button></a></td>

 </tr>
 <?php
  }
?>
</table>
</body>
</html>
<?php
include("Footer.php");
?>
```

DOCTOR STATUS

```
<?php
include("Header.php");
$timefrom="";
    $timeto="";
    $aid=0;
include("../Asset/Connection/Connection.php");
session_start();
if(isset($_POST['btnsave']))
{
```

```
    $fromtime=$_POST['txtfrom'];
    $totime=$_POST['txtto'];
    $day=$_POST["days"];
    $availabilityid=$_POST['txtid'];
    if($_GET['avid']==0)
    {
                    $insQry="insert    into    tbl_availability
(doctor_id,from_time,to_time,days)
values('".$_SESSION['did']."','".$fromtime."','".$totime."','"
.$day."')";
        if($conn->query($insQry))
        {
            ?>
            <script>
            alert("inserted")
            window.location="Availability.php"
            </script>
            <?php
        }
        else
        {
            ?>
<script>
            alert("failed")
            window.location="Availability.php"
            </script>
            <?php
        }
    }
    else
    {
                    $updQry="update    tbl_availability    set
from_time='".$fromtime."',to_time='".$totime."'           where
availability_id=".$availabilityid;
        if($conn->query($updQry))
        {
            ?>
            <script>
            alert("Updated")
            window.location="Availability.php"
```

```
            </script>
            <?php
        }
        else
        {
            ?>
            <script>
            alert("failed")
            window.location="Availability.php"
            </script>
            <?php
        }
    }

}
if(isset($_GET["aid"]))
{
        $up="update   tbl_availability   set   status=1   where
availability_id=".$_GET["aid"];
    if($conn->query($up))
    {
        ?>
            <script>
            alert("Updated")
            window.location="Availability.php"
            </script>
            <?php
    }
}

if(isset($_GET["aaid"]))
{
        $up="update   tbl_availability   set   status=0   where
availability_id=".$_GET["aaid"];
    if($conn->query($up))
    {
        ?>
            <script>
            alert("Updated")
            window.location="Availability.php"
```

```
            </script>
            <?php
    }
}
if(isset($_GET['avid']))
{
        $selEqry="select   *   from   tbl_availability   where
availability_id=".$_GET['avid'];
    $resE=$conn->query($selEqry);
    $rowE=$resE->fetch_assoc();
    $aid=$rowE['availability_id'];
    $timefrom=$rowE['from_time'];
    $timeto=$rowE['to_time'];
}
if(isset($_POST['reset']))
{
    header("Location:Availability.php");
}
?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<meta       http-equiv="Content-Type"       content="text/html;
charset=utf-8" />
<title>Untitled Document</title>
</head>

<body>
<h2 align="center"><u>Availability</u></h2>
<div    align="center"    style="margin-top:50px;margin-left:-
50px;">
<form action="" method="post">
<input  type="hidden"  name="txtid"  value="<?php  echo  $aid  ?>"
/>
<table align="center" width="338" border="1">
<tr>
<td>Days</td>
<td>
<?php
```

```
 if(isset($_GET['avid']))
 {
    $days = $rowE['days'];
    if( $days == 1)
        {

            echo "Monday";

        }
        else if($days == 2)
        {
            echo "Tuesday";
        }
        else if($days == 3)
        {
            echo "Wednesday";
        }
        else if($days == 4)
        {
            echo "Thursday";
        }
        else if($days == 5)
        {
            echo "Friday";
        }
        else if($days == 6)
        {
            echo "Saturday";
        }
        else if($days == 7)
        {
            echo "Sunday";
        }

 }
 else
 {
?>
<select name="days" id="days">
<option>...Select...</option>
```

```
<option value="1">Monday</option>
<option value="2">Tuesday</option>
<option value="3">Wednesday</option>
<option value="4">Thursday</option>
<option value="5">Friday</option>
<option value="6">Saturday</option>
<option value="7">Sunday</option>
</select>
<?php
 }
?>
</td>
</tr>
  <tr>
    <td width="84">Available From</td>
        <td   width="164"><input   name="txtfrom"   type="time"
value="<?php echo $timefrom ?>" /></td>
  </tr>
  <tr>
    <td>Available To</td>
      <td><input  name="txtto"  type="time"  value="<?php  echo
$timeto ?>" /></td>
  </tr>
   <tr>
    <td colspan="2"><div align="center">
          <input   type="submit"   name="btnsave"   id="button"
value="Submit" />
      <input type="submit" name="reset" value="reset" />
    </div></td>
    </tr>
</table>
</form>

<table align="center" width="500">
<tr>
<th>#</th>
<th>Days</th>
<th>From Time</th>
<th>To Time</th>
<th>Action</th>
```

```
</tr>
<?php
$i=0;
$sel="select * from tbl_availability where
doctor_id=".$_SESSION["did"];
$res=$conn->query($sel);
while($row=$res->fetch_assoc())
{
    $i++;
    ?>
    <tr align="center">
    <td><?php echo $i;?></td>
   <?php
        if($row["days"] == 1)
        {
            ?>
            <td>Monday</td>
            <?php
        }
        else if($row["days"] == 2)
        {
            ?>
            <td>Tuesday</td>
            <?php
        }
        else if($row["days"] == 3)
        {
            ?>
            <td>Wednesday</td>
            <?php
        }
        else if($row["days"] == 4)
        {
            ?>
            <td>Thursday</td>
            <?php
        }
        else if($row["days"] == 5)
        {
            ?>
```

```
            <td>Friday</td>
            <?php
        }
        else if($row["days"] == 6)
        {
            ?>
            <td>Saturday</td>
            <?php
        }
        else if($row["days"] == 7)
        {
            ?>
            <td>Sunday</td>
            <?php
        }
        else
        {
            ?>
            <td></td>
            <?php
        }
    ?>
    <?php
    if($row["status"] == 1)
    {
        ?>
        <td colspan="2" style="color:red">Leave</td>
              <td><a  href="Availability.php?aaid=<?php  echo
$row["availability_id"]?>">Active</a></td>
        <?php
    }
    else
    {
        ?>
        <td><?php echo $row["from_time"] ?></td>
        <td><?php echo $row["to_time"] ?></td>
               <td><a  href="Availability.php?aid=<?php  echo
$row["availability_id"]?>">Leave</a></td>
               <td><a  href="Availability.php?avid=<?php  echo
$row["availability_id"]?>">Edit</a></td>
```

```
          <?php
     }
     ?>
    </tr>
    <?php
}
?>
</table>
</div>
</body>
</html>
<?php
include("Footer.php");
?>
```

ADD PRODUCTS

```
<?php
include("../Asset/Connection/Connection.php");
include("Header.php");
if(isset($_POST['btnsave']))
{
  $name=$_POST['txtname'];
  $subcategory=$_POST['txtsubcategory'];
  $details=$_POST['txtdetail'];
  $price=$_POST['txtprice'];
  $photo=$_FILES['txtphoto']['name'];
  $tempphoto=$_FILES['txtphoto']['tmp_name'];
                                  move_uploaded_file($tempphoto,
'../Asset/Files/Product/'.$photo);
                        $insQry="insert                        into
tbl_product(product_name,product_photo,product_details,subcate
gory_id,update_date,shop_id,product_price)
values('".$name."','".$photo."','".$details."','".$subcategory
."',curdate(),'".$_SESSION['sid']."','".$price."')";
  if($conn->query($insQry))
  {
    ?>
<script>
    alert("inserted")
```

```
    window.location="Viewproduct.php"
    </script>
        <?php
  }
  else
  {
    ?>
        <script>
    alert("failed")
    window.location="Product.php"
    </script>
        <?php
  }
}
?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<meta       http-equiv="Content-Type"       content="text/html;
charset=utf-8" />
<title>Products Registration</title>
</head>
<style>
  .text-box{
    padding: 10px;
    border: 1px black solid;
    border-radius: 10px;
    margin-bottom: 10px;
  }
</style>
<body>
<form action="" method="post" enctype="multipart/form-data">
     <table    width="445"    height="560"    cellpadding="10px"
align="center" border="0">
    <tr>
      <th colspan="2" align="center"><h2>ADD PRODUCT</h2></th>
    </tr>
  <tr>
    <td width="97">Product Name</td>
```

```
      <td  width="322"><input  name="txtname"  class="text-box"
type="text" /></td>
  </tr>
   <tr>
    <td>Photo</td>
    <td><label for="photo"></label>
         <input  type="file"  name="txtphoto"  class="text-box"
id="photo" /></td>
  </tr>
  <tr>
    <td>Product Details</td>
     <td><textarea name="txtdetail" class="text-box" cols="10"
rows="5"></textarea></td>
  </tr>
  <tr>
    <td>Category</td>
          <td><select    name="txtcategory"    class="text-box"
id="txtcategory" onChange="getsubcategory(this.value)">
    <option value="">Select Category</option>
     <?php
  $selQryCat="select * from tbl_category";
  $res=$conn->query($selQryCat);
  while($row=$res->fetch_assoc())
  {
    ?>
              <option   value="<?php   echo   $row['category_id']
?>"><?php echo $row ['category_name']?></option>
        <?php
  }
  ?>
    </select> </td>
  </tr>
  <tr>
    <td>Subcategory</td>
        <td><select   name="txtsubcategory"   class="text-box"
id="txt_subcategory">
    <option value="">---Select---</option>
     <?php
  $selQrySub="select * from tbl_subcategory";
  $a=$conn->query($selQrySub);
```

```
  while($b=$a->fetch_assoc())
  {
    ?>
              <option  value="<?php  echo  $b['subcategory_id']
?>"><?php echo $b['subcategory_name']?></option>
        <?php
  }
  ?></select></td>
  </tr>
  <tr>
    <td>Price</td>
     <td><input  name="txtprice"  class="text-box"  type="number"
/></td>
  </tr>
  <tr>
    <td colspan="2"><p align="center">
         <input  type="submit"  name="btnsave"  class="text-box"
id="btnsave" value="Save" />

         <input  type="reset"  name="btnreset"  class="text-box"
id="btnreset" value="Cancel" />
      </p></td>
  </tr>
</table>
<script src="../Asset/JQ/jQuery.js"></script>
<script>
function getsubcategory(did)
{
  $.ajax({
    url:"../Asset/AjaxPages/AjaxSubcat.php?did="+did,
    success: function(html){
      $("#txt_subcategory").html(html);
    }
  });
}
</script>
</body>
</html>
<?php
include("Footer.php");
```

```
?>
```

SEARCH PRODUCTS

```
<?php
session_start();
include("../Asset/Connection/connection.php");
?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<meta       http-equiv="Content-Type"       content="text/html;
charset=utf-8" />
<title>Search Product</title>
<link                                          rel="stylesheet"
href="../Asset/Search/bootstrap.min.css">
<style>
            .custom-alert-box{
                width: 20%;
                height: 10%;
                position: fixed;
                bottom: 0;
                right: 0;
                left: auto;
                z-index:1;
            }

            .success {
                color: #3c763d;
                background-color: #dff0d8;
                border-color: #d6e9c6;
                display: none;
            }

            .failure {
                color: #a94442;
                background-color: #f2dede;
                border-color: #ebccd1;
```

```
                display: none;
            }

            .warning {
                color: #8a6d3b;
                background-color: #fcf8e3;
                border-color: #faebcc;
                display: none;
            }
        </style>
</head>

<body>
        <div class="custom-alert-box">
             <div class="alert-box success">Successful Added to
Cart !!!</div>
              <div class="alert-box failure">Failed to Add Cart
!!!</div>
               <div class="alert-box warning">Already Added to
Cart !!!</div>
        </div>
        <div class="container-fluid">
            <div class="row">
                <div class="col-lg-3">

                    <h5>Filter Product</h5>
                    <hr>
                    <h6 class="text-info"> Select Type</h6>
                    <ul class="list-group">
                        <?php
                                    $selCat = "SELECT * from
tbl_category";
                            $result = $conn->query($selCat);
                                        while ($row=$result-
>fetch_assoc()) {
                        ?>
                        <li class="list-group-item">
                            <div class="form-check">
                                      <label class="form-check-
label">
```

```
                                        <input type="checkbox"
onclick="productCheck()"                class="form-check-input
product_check"  value="<?php  echo  $row["category_id"];  ?>"
id="category" ><?php echo $row["category_name"]; ?>
                                    </label>
                                </div>
                            </li>
                            <?php
                                }
                            ?>
                        </ul>
                        <br />

                    </div>

                    <div class="col-lg-9">
                                            <h5  class="text-center"
id="textChange">All Products</h5>
                        <hr>
                        <div class="text-center">
                                                                <img
src="../Asset/Temp/Search/loader.gif"  id='loder'  width="200"
style="display: none"/>
                        </div>
                        <div class="row" id="result">

                            <?php
                                    $selProduct = "SELECT * from
tbl_product  e  inner  join  tbl_subcategory  t  on
t.subcategory_id=e.subcategory_id inner join tbl_category sc
on sc.category_id=t.category_id";
                                                $result1 = $conn-
>query($selProduct);
                                            while ($row1=$result1-
>fetch_assoc()) {
                                    $average_rating = 0;
    $total_review = 0;
    $five_star_review = 0;
    $four_star_review = 0;
    $three_star_review = 0;
```

```
    $two_star_review = 0;
    $one_star_review = 0;
    $total_user_rating = 0;
    $review_content = array();

    $query = "
        SELECT   *   FROM   tbl_review   where   product_id   =
'".$row1["product_id"]."' ORDER BY review_id DESC
    ";

    $result = $conn->query($query);

    while($row = $result->fetch_assoc())
    {
        $review_content[] = array(
            'user_name'     =>  $row["user_name"],
            'user_review'   =>  $row["user_review"],
            'rating'        =>  $row["user_rating"],
            'datetime'      =>  $row["review_datetime"]
        );

        if($row["user_rating"] == '5')
        {
            $five_star_review++;
        }

        if($row["user_rating"] == '4')
        {
            $four_star_review++;
        }

        if($row["user_rating"] == '3')
        {
            $three_star_review++;
        }

        if($row["user_rating"] == '2')
        {
            $two_star_review++;
        }
```

```
        if($row["user_rating"] == '1')
        {
            $one_star_review++;
        }

        $total_review++;

                $total_user_rating   =   $total_user_rating   +
$row["user_rating"];

    }
    if($total_review==0 || $total_user_rating==0)
    {
        $average_rating=0;
    }
else
{
    $average_rating = $total_user_rating / $total_review;
}
                        ?>

                        <div class="col-md-3 mb-2">
                            <div class="card-deck">
                                      <div class="card border-
secondary">
                                                          <img
src="../Asset/Files/Product/<?php echo $row1["product_photo"];
?>" class="card-img-top" height="250">
                                          <div class="card-img-
secondary">
                                         <h6  class="text-light
bg-info      text-center      rounded      p-1"><?php      echo
$row1["category_name"]; ?></h6>
                                    </div>
                                    <div class="card-body">
                                          <h4 class="card-title
text-danger" align="center">
                                             Price : <?php echo
$row1["product_price"]; ?>/-
```

```
                                        </h4>
                                        <p align="center">
                                                <?php  echo
$average_rating."/5"; ?><br />


                                        </p>
                                        <?php
                                              $stock = "select
COALESCE(sum(stock_quantity),0)   as   stock   from   tbl_stock
where  product_id = '" . $row1["product_id"] . "'";
                                             $result2 = $conn-
>query($stock);
                                               $row2=$result2-
>fetch_assoc();

                                             $stocka = "select
sum(cart_quantity) as stock from tbl_cart where product_id =
'" . $row1["product_id"] . "'";
                                            $result2a = $conn-
>query($stocka);
                                             $row2a=$result2a-
>fetch_assoc();

                                                    $stock =
$row2["stock"] - $row2a["stock"];

                                                 if ($stock  >
0) {
                                        ?>
                                                          <a
href="javascript:void(0)"     onclick="addCart('<?php     echo
$row1['product_id'];   ?>')"   class="btn   btn-success   btn-
block">Add to Cart</a>
                                        <?php
                                          } else if ($stock  ==
0) {
                                        ?>
```

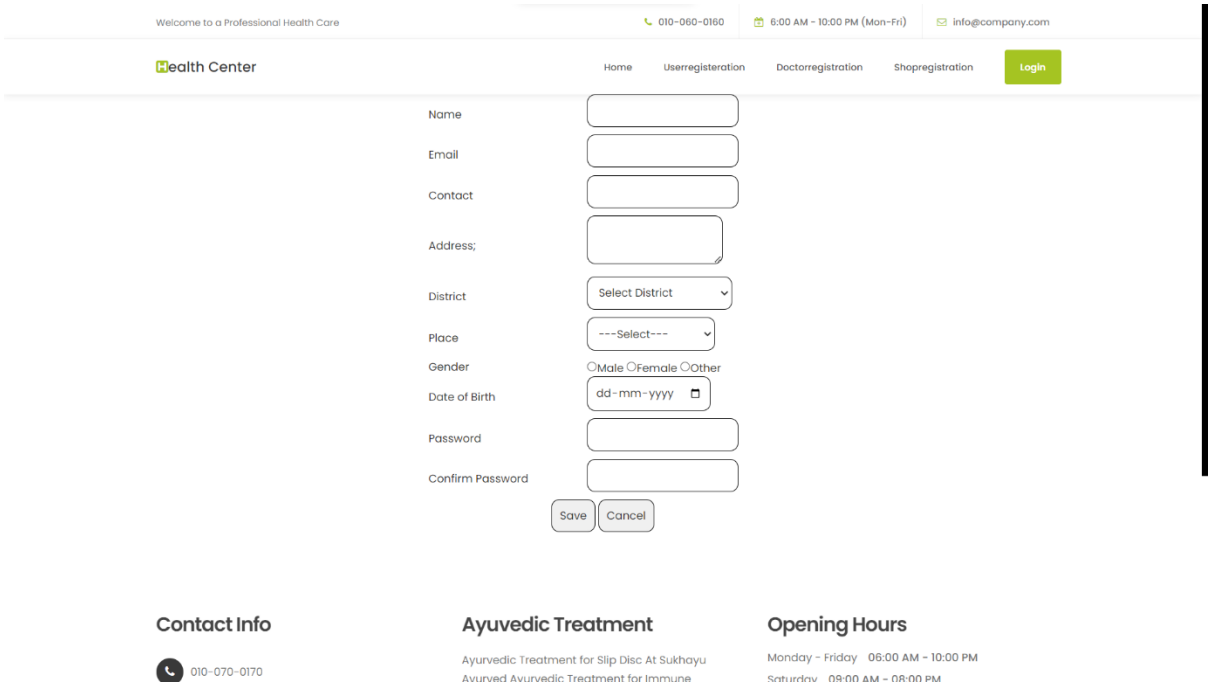
```
                                                                    <a
href="javascript:void(0)" class="btn btn-danger btn-block">Out
of Stock</a>
                                            <?php
                                                }
                                             else {
                                            ?>
                                                                    <a
href="javascript:void(0)"    class="btn    btn-warning    btn-
block">Stock Not Found</a>
                                            <?php
                                                }
                                            ?>
                                    <a class="btn btn-success btn-
block"             href="Product.php?pid=<?php             echo
$row1["product_id"]?>">ViewMore</a>

                                        </div>
                                    </div>
                                </div>
                            </div>
                            <?php
                                }
                            ?>
                        </div>

                    </div>

                </div>
                            </div>
<script src="../Asset/Search/jquery.min.js"></script>
                                                                <script
src="../Asset/Search/bootstrap.min.js"></script>
<script src="../Asset/Search/popper.min.js"></script>
            <script>



                function addCart(id)
                {
```

```
                $.ajax({
                                                                    url:
"../Asset/AjaxPages/AjaxAddCart.php?id=" + id,
                    success: function(response) {
                            if (response.trim() === "Added to
Cart")
                        {
                             $("div.success").fadeIn(300).delay
(1500).fadeOut(400);
                        }
                          else if (response.trim() === "Already
Added to Cart")
                        {
                             $("div.warning").fadeIn(300).delay
(1500).fadeOut(400);
                        }
                        else
                        {
                             $("div.failure").fadeIn(300).delay
(1500).fadeOut(400);
                        }
                    }
                });
            }

            function productCheck(){
                    $("#loder").show();

                    var action = 'data';
                                            var    category    =
get_filter_text('category');
                    var qn=get_filter_text('qn');

                    $.ajax({
                                                                    url:
"../Asset/AjaxPages/AjaxSearchProduct.php?action="   +   action
+"&category=" + category+"&qn="+qn,
                        success: function(response) {
                            $("#result").html(response);
                            $("#loder").hide();
```

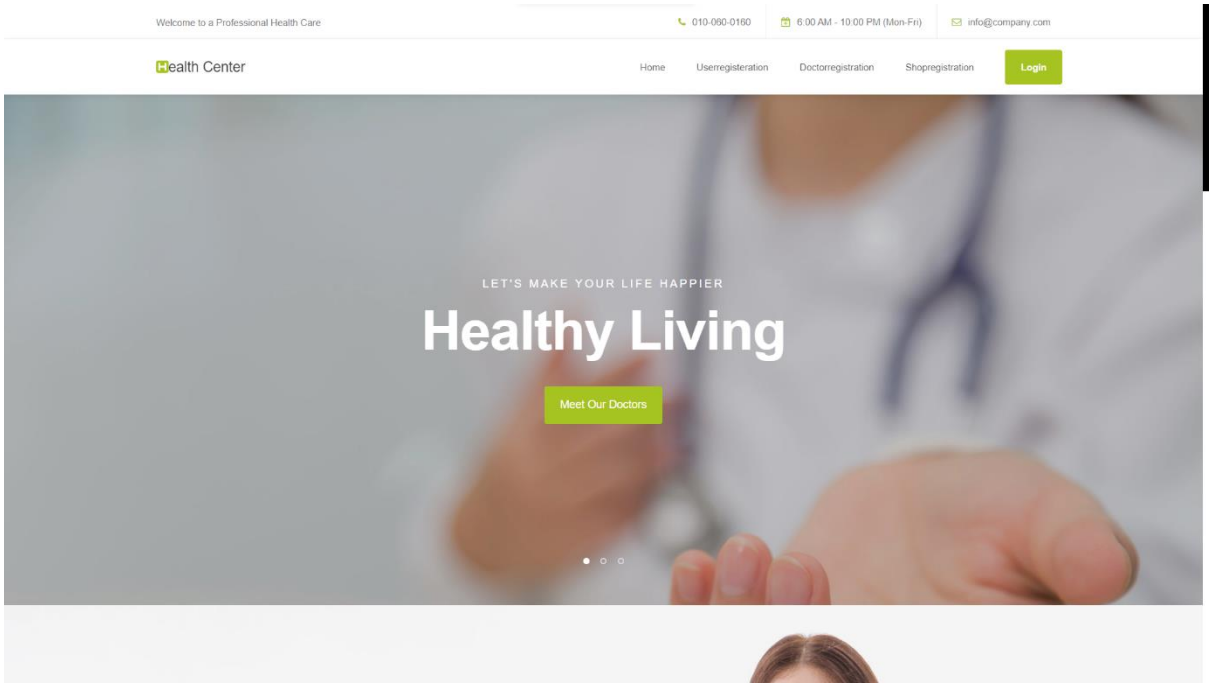
```
                                $("#textChange").text("Filtered
Products");
                            }
                        });

                    }


                    function get_filter_text(text_id)
                    {
                        var filterData = [];

                                            $('#'   +   text_id   +
':checked').each(function() {
                            filterData.push($(this).val());
                        });
                        return filterData;
                    }

            </script>
        </body>

</html>
```

11.2 SCREENSHOTS

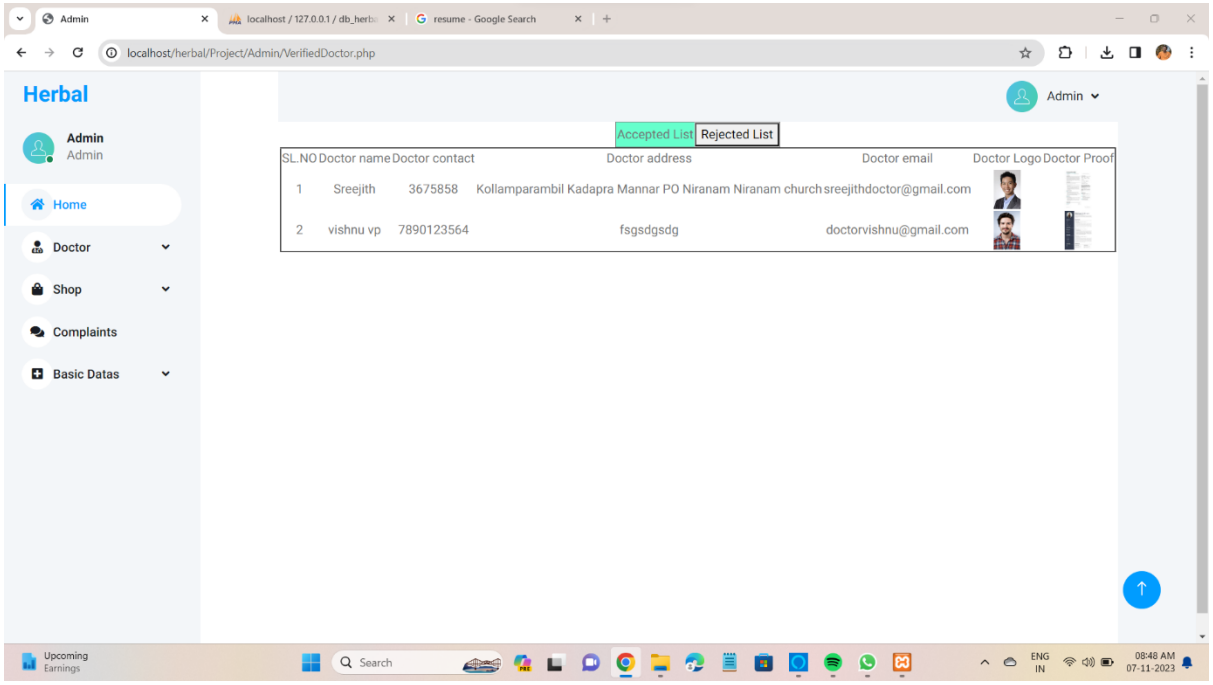
SIGNUP PAGE



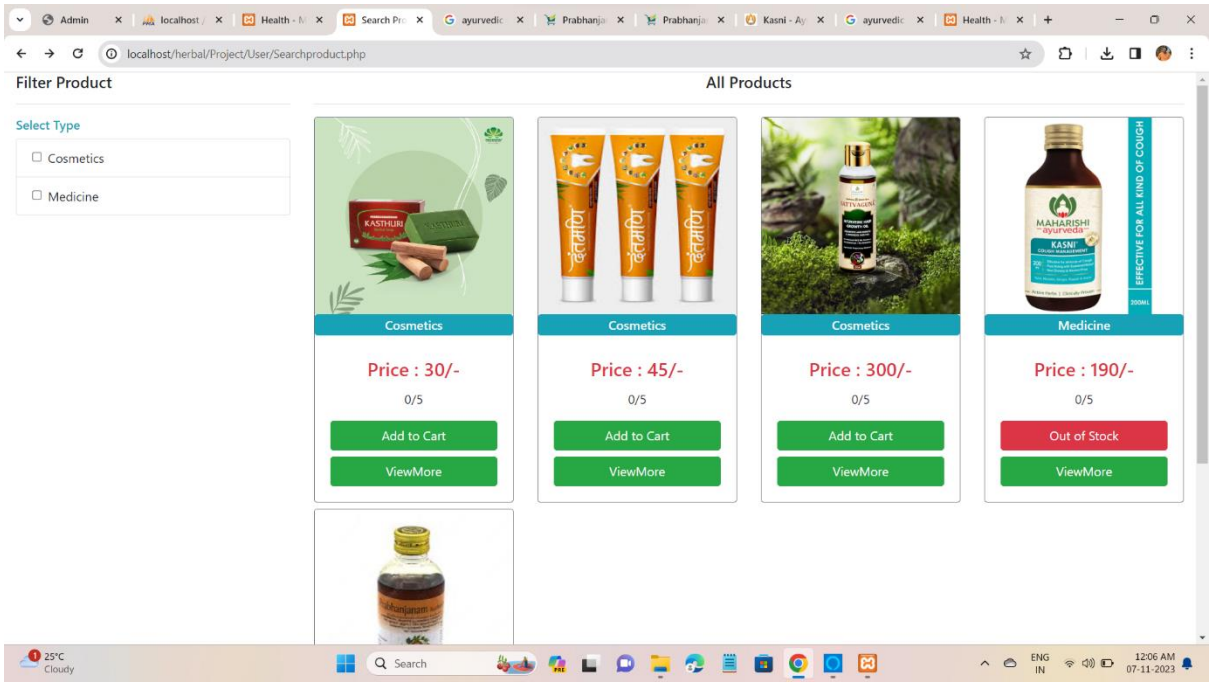
HOMEPAGE



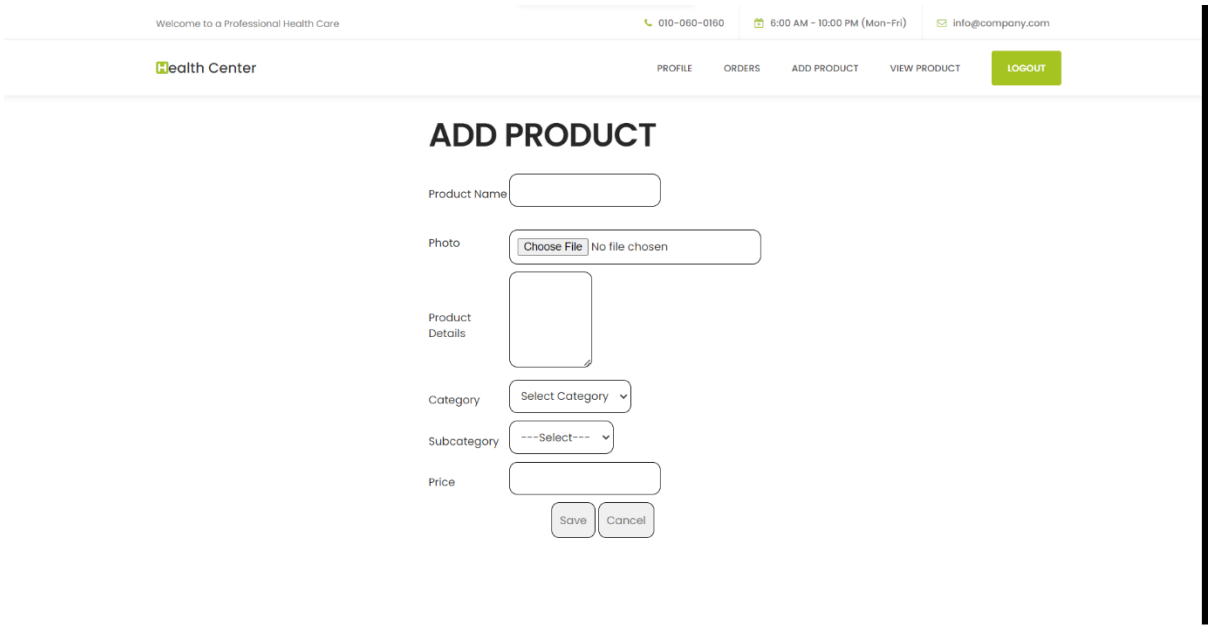
DOCTOR LIST



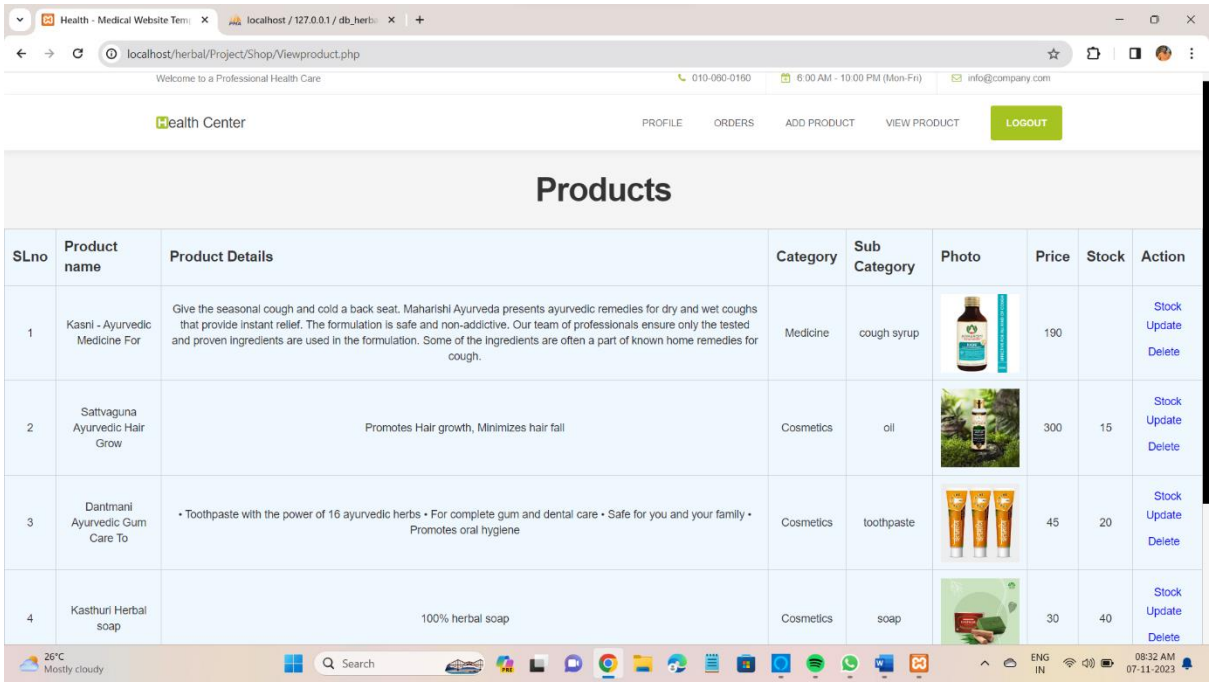
VIEW PRODUCTS



ADD PRODUCT



PRODUCTS LIST



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