

MINI PROJECT REPORT

ON

“ **Medical Representative** ”

(Software Laboratory - I)

SUBMITTED BY

Sahil Patil (TI24)
Mohit Patil (TI23)

2017-18

T.E. (INFORMATION TECHNOLOGY)

Semester - I

Under the Guidance Of

Mrs. RUPALI CHOPADE / Mr. NIKHIL DHAVASE



DEPARTMENT OF INFORMATION TECHNOLOGY
MARATHWADA MITRA MANDAL'S COLLEGE OF ENGINEERING,
KARVENAGAR, PUNE.



DEPARTMENT OF INFORMATION TECHNOLOGY
MARATHWADA MITRA MANDAL'S COLLEGE OF ENGINEERING,
KARVENAGAR, PUNE.

CERTIFICATE

This is to certify that **Mohit Patil, Sahil Patil** having roll no **TI23, TI24** is studying in **TE INFORMATION TECHNOLOGY** course in **SEM I** and they have successfully completed and submitted the Mini Project Report under the subject **Software Laboratory - I**, entitled "**Medical Representative**". This study is a partial fulfillment of the degree of Bachelor of Engineering in Information Technology of Savitribai Phule Pune University, PUNE during the academic year 2017-2018.

Mrs. RUPALI CHOPADE / Mr. NIKHIL DHAVASE
Guide

Mrs. RUPALI CHOPADE
H.O.D.

ABSTRACT

This project “Medical Representative” provides us a simple interface for maintenance of visit information .It can be used by pharmaceutical company to maintain the records of Medical Representative easily. Achieving this objective is difficult using a manual system as the information is scattered, can be redundant and collecting relevant information may be very time consuming. All these problems are solved using this project. Throughout the project the focus has been on presenting information in an easy and intelligible manner. The project is very useful for those who want to know about the Medical Representative in detail . The project provides facilities like daily visits and profile creation of medical Representative thus reducing paperwork and automating the record generation process in an Login System. We have contact us form for those who want to join with us.

INDEX

TOPIC	PAGE NO.
1.Introduction.....	
1.1 Literature Review.....	
1.2 Scope of Project.....	
1.3 Application Of Project.....	
2.Requirements	
2.1 Software Requirements/SRS.....	
2.2 Hardware Requirements.....	
3. System Analysis and Design	
3.1 ER Diagram / EER Diagram.....	
3.2 Database Normalization.....	
4. Source Code	
5. Persona	
6. Graphical User Interface	
7. Testing Document.....	
8. Future Enhancement.....	
9. Conclusion.....	
10. References / Bibliography.....	

1. INTRODUCTION

The objective of medical representative project is to help medical representative to manage their daily work loads according to date. They can fill doctor and chemist detail regarding visit of respective physician and chemist.

1.1 LITERATURE REVIEW:

An online medical representative system streamlines the application and monitoring of medical representative detail.

Why Use Online login for medical representative?

4. Bryan Glessan(medical representative):- I personally like this system as it reduces the amount of human errors that contribute to double bookings & misplaced paper calendars.(source:<http://rxtro.com>)

➤ **Jane carpenter (medical representative):**I find the system fantastic, it's easy to use and allows for distinct instruction on holding a meeting within our centre and eliminates the booking calendar from the duties of my reception.(source:<http://rxtro.com>)

1.2 SCOPE OF PROJECT :

The representative login is enhanced to accommodate changes made by representative while arranging Daily Call Reports for arranging visit for doctors and chemist with add,delete,update facility.

They have facility for arranging Daily Sales Report for daily sales and holiday and profile management. The medical representative will increase product awareness, answer queries, provide advice and introduce new products. Representatives will get in constant touch with customer who have filled information through contact us form.

1.3 APPLICATION OF PROJECT

All medical representative of pharmaceutical company can fill-up their daily call report easily, where in company manual work get reduced and finally Representative database gets filled-up through form. Customer can click on

links on home page and check from Prisma Pharmaceuticals site. Site manager can also manage large Representative data in an easy manner.

2. REQUIREMENTS

2.1 SOFTWARE REQUIREMENTS

- I) Operating systems : Any OS
- II) Languages : HTML, CSS, Java script, PHP
- III) Database: MYSQL
- IV) Server: APACHE TOMCAT
- V) Browser: Google Chrome, Firefox Web Browser

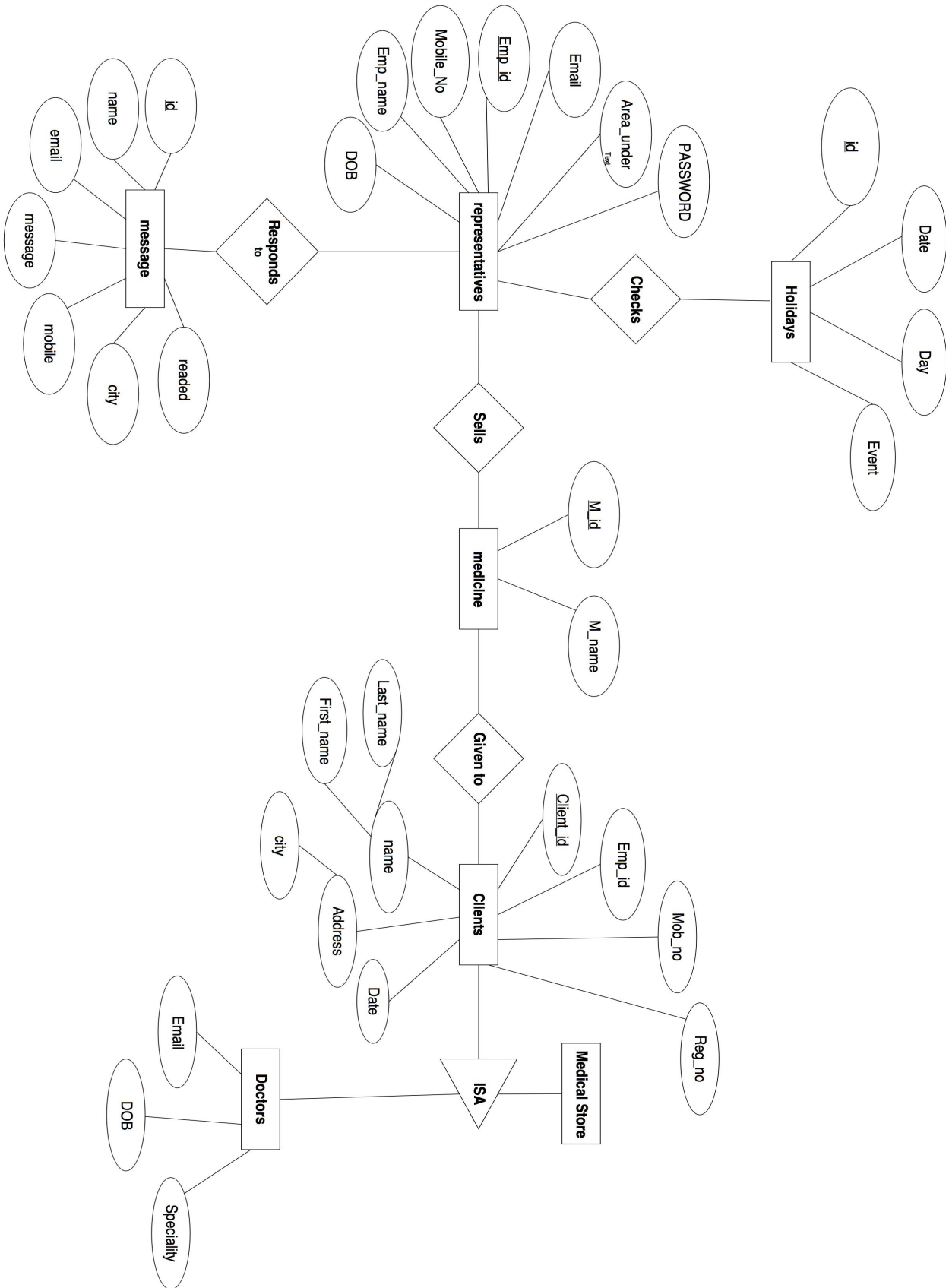
2.2 HARDWARE REQUIREMENTS

- Processor : Pentium IV and onwards
- Speed : 2.8 GHz
- RAM : Minimum 256 MB
- Hard Disk : Minimum 10 GB

3. System Analysis and Design:-

4. 3.1 ER/EER DIAGRAM:-

MINI PROJECT REPORT



3.2 Database Normalization:-

The basic objective of normalization is to reduce redundancy which means that information is to be stored only once. Storing information several times leads to wastage of storage space and increase in the total size of the data stored.

If a database is not properly designed it can give rise to modification anomalies. Modification anomalies arise when data is added to, changed or deleted from a database table. Similarly, in traditional databases as well as improperly designed relational databases, data redundancy can be a problem. These can be eliminated by normalizing a database.

Normalization is the process of breaking down a table into smaller tables. So that each table deals with a single theme. There are three different kinds of modifications of anomalies and formulated the first, second and third normal forms (3NF) is considered sufficient for most practical purposes. It should be considered only after a thorough analysis and complete understanding of its implications.

4.SOURCE CODE:-

dcrpage.php(view) data from table:-

```
<?php
session_start();

if(!isset($_SESSION['login_user'])){
    header("Location:index.php");
}
?>
<html>
<?php
//including the database connection file
include 'config.php';
$login_session=$_SESSION['user_name'];
$login_id=$_SESSION['login_user'];
$result = mysqli_query($conn, "SELECT * FROM doctor where
Emp_id='$login_id' ORDER BY Date DESC"); // using mysqli_query instead
$m=mysqli_query($conn, "SELECT * FROM medical_store where
Emp_id='$login_id' ORDER BY Date DESC");
?>
<table width='100%' border= px;>
    <tr bgcolor='#CCCCCC'>
        <td>Visit Date</td>
        <td>Doctor Name</td>
        <td>Registration No</td>
        <td>Mobile No.</td>
        <td>Speciality</td>
        <td>Email</td>
        <td>Change</td>
    </tr>
```



```

<?php
while($res = mysqli_fetch_array($result)) {
    echo "<tr>";
    echo "<td>".$res['Date']."</td>";
        echo "<td>".$res['First_name'].$res['Last_name']."</td>";
        echo "<td>".$res['Reg_no']."</td>";
        echo "<td>".$res['Mob_no']."</td>";
        echo "<td>".$res['Speciality']."</td>";
        echo "<td>".$res['Email']."</td>";
        echo "<td><a href=\"edit.php?Client_id=$res[Client_id]\">Edit</a>";
|   <a href=\"delete.php?Client_id=$res[Client_id]\" onClick=\"return
confirm('Are you sure you want to delete?')\">Delete</a></td>";
    }
?>
</table>
<h2 class="chem">Chemist visit</h2>
<hr/ style">
    <table style="top:auto" width='100%' border= px;>
<tr bgcolor='#CCCCCC'>
    <td>Visit Date</td>
    <td>Doctor Name</td>
    <td>Registration No</td>
        <td>Mobile No.</td>
        <td>address</td>
        <td>Change</td>
</tr>
<?php
//while($res = mysqli_fetch_array($result)) { // mysqli_fetch_array is
deprecated, we need to use mysqli_fetch_array
while($re = mysqli_fetch_array($m)) {
    echo "<tr>";
    echo "<td>".$re['Date']."</td>";
        echo "<td>".$re['First_name'].$re['Last_name']."</td>";
        echo "<td>".$re['Reg_no']."</td>";
        echo "<td>".$re['Mob_no']."</td>";
        echo "<td>".$re['Address']."</td>";
        echo "<td><a href=\"cedit.php?Client_id=$re[Client_id]\">Edit</a>";
|   <a href=\"cdelete.php?Client_id=$re[Client_id]\" onClick=\"return
confirm('Are you sure you want to delete?')\">Delete</a></td>";
    }
?>

```

doctor_visit.php:-

```

<html>
<head>

```

MINI PROJECT REPORT

```
<?php include 'back_header.php';?>
</head>
<body>
<div class="col-md-6 col-md-push-2">
    <div class="form">
        <form action="doctor_valid.php" method="post" class="contactForm">
            <div class="form-group">
                <input type="date" class="form-control" name="DOB" id="DOB"
placeholder="Date of birth No" data-rule="minlen:4" data-msg="" />
                <div class="validation"></div>
            </div>

            <div class="form-group">
                <input type="text" name="first" class="form-control" id="first" placeholder="First
Name" data-rule="minlen:4" data-msg="" />
                <div class="validation"></div>
            </div>

            <div class="form-group">
                <input type="text" name="last" class="form-control" id="last" placeholder="Last
Name" data-rule="minlen:4" data-msg="" />
                <div class="validation"></div>
            </div>

            <div class="form-group">
                <input type="email" class="form-control" name="email" id="email"
placeholder="Email" data-rule="minlen:5" data-msg="" />
                <div class="validation"></div>
            </div>

            <div class="form-group">
                <input type="text" class="form-control" name="reg" id="reg"
placeholder="Registration No" data-rule="minlen:4" data-msg="" />
                <div class="validation"></div>
            </div>

            <div class="form-group">
                <textarea class="form-control" name="address" rows="5" data-rule="required" data-
msg="" placeholder="Address"></textarea>
                <div class="validation"></div>
            </div>
        </form>
    </div>
</div>
```

```
        <div class="form-group">
            <input type="text" class="form-control" name="speciality" id="reg"
placeholder="Speciality" data-rule="minlen:4" data-msg="" />
            <div class="validation"></div>
        </div>

        <div class="form-group">
            <input type="text" class="form-control" name="mob" id="mob"
placeholder="Mobile Number" data-rule="minlen:4" data-msg="" />
            <div class="validation"></div>
        </div>

        <div class="text-center"><button type="submit" value="add"
name="Submit">Submit</button></div>
    </form>
</div>

</div>
</body>
</html>
```

doctor_valid.php (Adding doctor visit database)

```
<?php
session_start();

if(!isset($_SESSION['login_user'])){
    header("Location:index.php");
}
?>

<?php
//including the database connection file
include 'config.php';
$login_id=$_SESSION['login_user'];
if(isset($_POST['Submit'])) {
    $first = $_POST['first'];
    $last = $_POST['last'];
    $address = $_POST['address'];
    $reg = $_POST['reg'];
    $email = $_POST['email'];
    $DOB = $_POST['DOB'];
    $speciality = $_POST['speciality'];
    $mob = $_POST['mob'];
    $Emp_id=$_SESSION['login_user'];
```

MINI PROJECT REPORT

```
// checking empty fields
    if(empty($first) || empty($last) || empty($address)|| empty($reg)|| empty($email)||
empty($DOB)|| empty($speciality)|| empty($mob)) {
    if(empty($first)) {
        echo "<font color='red'>Please enter first name.</font><br/>";
    }

    if(empty($last)) {
        echo "<font color='red'>Please enter last name.</font><br/>";
    }

    if(empty($address)) {
        echo "<font color='red'>address places field is empty.</font><br/>";
    }

    if(empty($reg)) {
        echo "<font color='red'>Please enter Registration no.</font><br/>";
    }

    if(empty($email)) {
        echo "<font color='red'>Please enter email.</font><br/>";
    }

        if(empty($DOB)) {
            echo "<font color='red'>Please enter date of birth.</font><br/>";
        }

        if(empty($speciality)) {
            echo "<font color='red'>Please enter date of speciality.</font><br/>";
        }

        if(empty($mob)) {
            echo "<font color='red'>Please enter date of Mobile number.</font><br/>";
        }

    //link to the previous page
    echo "<br/><a href='javascript:self.history.back();'>Go Back</a>";
} else {
    // if all the fields are filled (not empty)
    //insert data to database
                                $result    =    mysqli_query($conn,    "INSERT    INTO
doctor(First_name,Last_name,Address,Reg_no,Email,Date,Speciality,Mob_no,Emp_id)
VALUES('$first','$last','$address','$reg','$email','$DOB','$speciality','$mob','$Emp_id')");

    //display success message
```

```
        echo "<font color='green'>Data added successfully.";
        echo "<br/><a href='dcrpage.php'>View Result</a>";
    }
}
?>
```

edit.php

```
<?php
// including the database connection file
include_once("config.php");
if(isset($_POST['update']))
{
    $Client_id = $_POST['Client_id'];
    $first = $_POST['first'];
    $last = $_POST['last'];
    $address = $_POST['address'];
    $reg = $_POST['reg'];
    $email = $_POST['email'];
    $DOB = $_POST['DOB'];
    $speciality = $_POST['speciality'];
    $mob = $_POST['mob'];
    // checking empty fields
    if(empty($first) || empty($last) || empty($address)|| empty($reg)|| empty($email)||
empty($DOB)|| empty($speciality)|| empty($mob)) {
        if(empty($first)) {
            echo "<font color='red'>Please enter first name.</font><br/>";
        }

        if(empty($last)) {
            echo "<font color='red'>Please enter last name.</font><br/>";
        }

        if(empty($address)) {
            echo "<font color='red'>address places field is empty.</font><br/>";
        }

        if(empty($reg)) {
            echo "<font color='red'>Please enter Registration no.</font><br/>";
        }

        if(empty($email)) {
            echo "<font color='red'>Please enter email.</font><br/>";
        }

        if(empty($DOB)) {
            echo "<font color='red'>Please enter date of birth.</font><br/>";
        }
    }
}
```

```
}

    if(empty($speciality)) {
        echo "<font color='red'>Please enter date of speciality.</font><br/>";
    }

    if(empty($mob)) {
        echo "<font color='red'>Please enter date of Mobile number.</font><br/>";
    }

} else {
    //updating the table
    $result=mysqli_query($conn,"UPDATE      doctor SET
First_name='$first',Last_name='$last',Address='$address',Reg_no='$reg',Email='$email',Date='$
DOB',Speciality='$Speciality',Mob_no='$mob' WHERE Client_id=$Client_id");
    echo "";

    //redirectig to the display page. In our case, it is dcrpage.php.php
    header("Location: dcrpage.php");
}
?>
<?php
$Client_id = $_GET['Client_id'];
//selecting data associated with this particular id
$result = mysqli_query($conn, "SELECT * FROM doctor WHERE Client_id=$Client_id");

while($res= mysqli_fetch_array($result))
{
    $Client_id = $res['Client_id'];
    $first = $res['First_name'];
    $last = $res['Last_name'];
    $address = $res['Address'];
    $reg = $res['Reg_no'];
    $email = $res['Email'];
    $DOB = $res['Date'];
    $speciality = $res['Speciality'];
    $mob = $res['Mob_no'];
}
?>
<html>
<head>
    <title>Edit Data</title>
</head>

<body>
```

MINI PROJECT REPORT

```
<a href="dcrpage.php">Home</a>
<br/><br/>

<form name="form1" method="post" action="edit.php">
  <table border="0">
    <div class="form-group">
      <input type="date" class="form-control" name="DOB" id="DOB"
placeholder="Date of birth No" data-rule="minlen:4" data-msg="" value="<?php echo $DOB;?
>" />
      <div class="validation"></div>
    </div>

    <div class="form-group">
      <input type="text" name="first" class="form-control" id="first" placeholder="First
Name" data-rule="minlen:4" data-msg="" value="<?php echo $first;?>" />
      <div class="validation"></div>
    </div>

    <div class="form-group">
      <input type="text" name="last" class="form-control" id="last" placeholder="Last
Name" data-rule="minlen:4" data-msg="" value="<?php echo $last;?>" />
      <div class="validation"></div>
    </div>

    <div class="form-group">
      <input type="email" class="form-control" name="email" id="email"
placeholder="Email" data-rule="minlen:5" data-msg="" value="<?php echo $email;?>" />
      <div class="validation"></div>
    </div>

    <div class="form-group">
      <input type="text" class="form-control" name="reg" id="reg"
placeholder="Registration No" data-rule="minlen:4" data-msg="" value="<?php echo $reg;?
>" />
      <div class="validation"></div>
    </div>

    <div class="form-group">
      <textarea class="form-control" name="address" rows="5" data-rule="required" data-
msg="" value="<?php echo $address;?>" placeholder="Address" /></textarea>
      <div class="validation"></div>
    </div>
```

```
<div class="form-group">
    <input type="text" class="form-control" name="speciality" id="reg"
placeholder="Speciality" data-rule="minlen:4" data-msg="" value="<?php echo $speciality;?
>"/>
    <div class="validation"></div>
</div>

<div class="form-group">
    <input type="text" class="form-control" name="mob" id="mob"
placeholder="Mobile Number" data-rule="minlen:4" data-msg="" value="<?php echo $mob;?
>"/>
    <div class="validation"></div>
</div>
<tr>
    <td><input type="hidden" name="Client_id" value="<?php echo $_GET['Client_id'];?
>></td>
    <td><input type="submit" name="update" value="Update"></td>
</tr>
</table>
</form>
</body>
</html>
```

Delete.php

```
<?php
include("config.php");

//getting id of the data from url
$Client_id = $_GET['Client_id'];

//deleting the row from table
$result = mysqli_query($conn, "DELETE FROM doctor WHERE Client_id=$Client_id");

//redirecting to the display page (index in our case)
header("Location: dcrpage.php");
?>
```

5.Persona:-

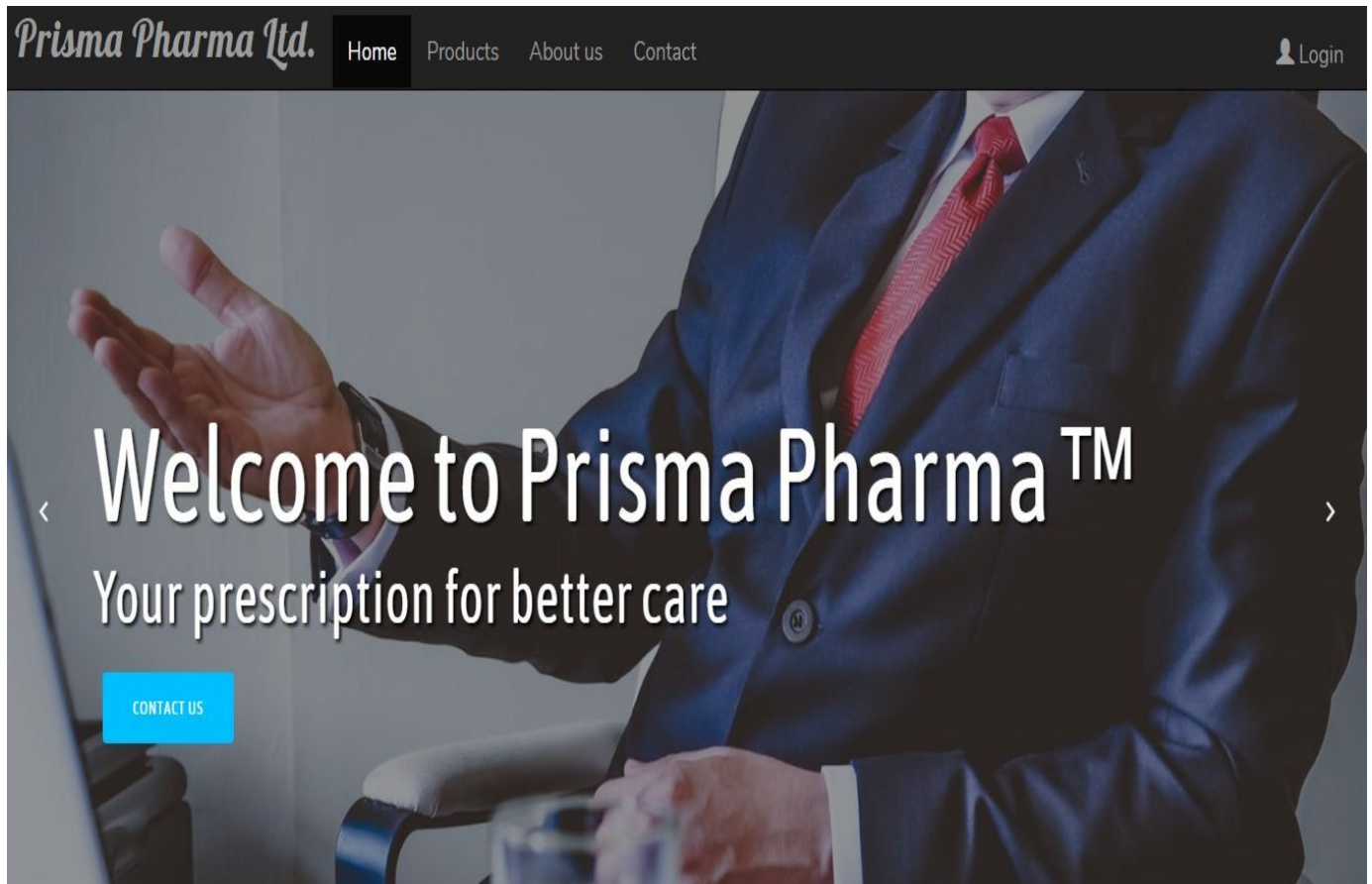
Vilesh Patil is 28 years old and works as a medical representative with company Prisma pharmaceutical private limited for last 5 years and knows it well.Many of younger representative

ask him for his advice when they meet up in the workplace. vilesch likes sharing his knowledge with the younger guys, as it makes him feel a valued part of the team.

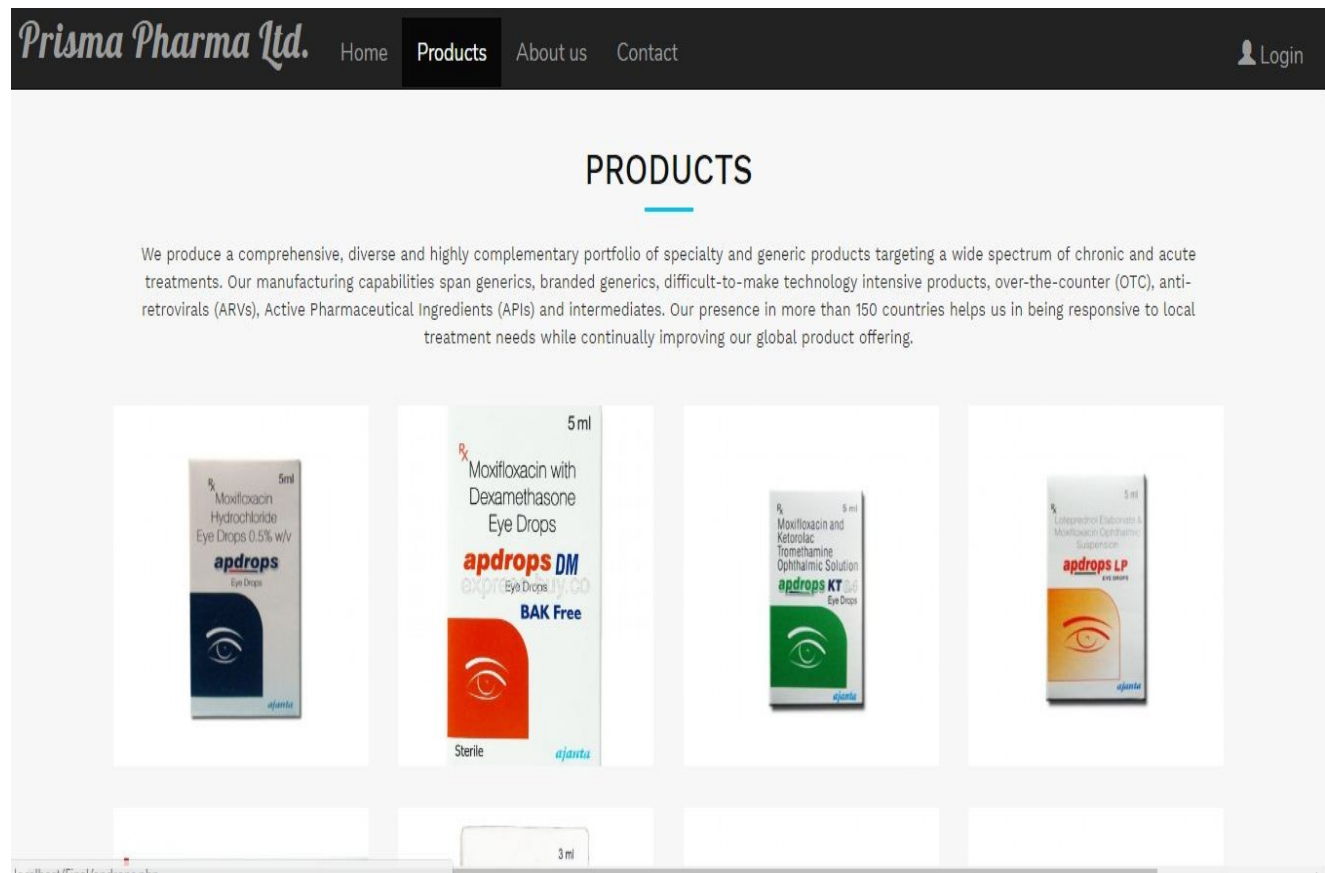
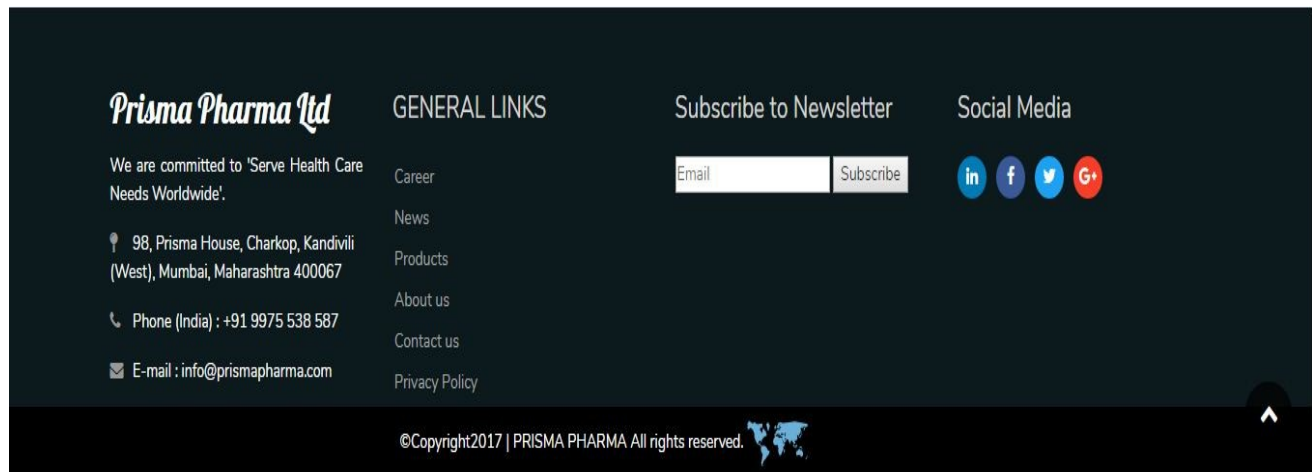
Vilesch has seen many changes over the years with the company and tries his best to move with the time. however, he found new computer-based intra net software which is used for managing daily records of representatives.

Vilesch thinks the system is useful and helped him to manage his daily visits and record in an effective manner and has reduced hectic paperwork on the work field and saved their time for further attending more customer. he is in constant touch with their customer through inquiry details available and can do his job effectively for promoting products of the company.

6. Graphical User Interface :-



Footer:-




MINI PROJECT REPORT

Prisma Pharma Ltd. Home Products About us Contact Login

Apdrops

Eye drop



Medicine Overview of Alcarex Eye Drop

Uses of Alcarex Eye Drop

Alcarex Eye Drop is used in the treatment of allergic conjunctivitis. It treats itching associated with allergic conjunctivitis.

How to use Alcarex Eye Drop

This medicine is for external use only. Take it in the dose and duration as advised by your doctor. Check the label for directions before use. Hold the dropper close to the eye/ear without touching it. Gently squeeze the dropper and place the medicine inside the lower eyelid or ear. Wipe off extra liquid.


How Alcarex Eye Drop works

Alcarex eye drop blocks the action of certain chemical messengers that are responsible for inflammation, congestion, itching, and other allergic reactions.

Sales Team Activity

- Home
- DSR
- DCR**
- Holidays
- Message (0)*
- Setting

For any help contact Admin @180-1800-363655



Daily Call Report

Add DCR

Doctor Visits-

Date	Doctor Name	Registration No	Mobile No.	Speciality	Email	Change
1992-09-12	Vilesh Patil	D123354	2147483647	Orthopedic	vilesh@gmail.com	Edit Delete
0000-00-00	Mohit Patil	D15944986	2147483647	Orthopedic	mohit@gmail.com	Edit Delete

Chemist Visits-

Visit Date	Chemist Name	Registration No	Mobile No.	address	Change
2017-10-11	asdfg zxcvb@asd.cd	D234234	464	fgdfg	Edit Delete
2017-11-16	xxxx xxxx	xxxx	1111	xxxx	Edit Delete

localhost/final/schedule.php

MINI PROJECT REPORT

Sales Team Activity

Home

DSR

DCR

Holidays

Message (1)*

Setting

min @180-1800-363655

Messages

Please Respond to Inquires as soon as possible !!!

Name	Email	Mobile	Message	City	Responded
Rajendra Shrivastava	raj12@yahoo.com	9865451235	Please give information about Alcarex 10 mg	Jabalpur	No
rohit	rohitsharma@gmail.com	9852226633	hello please contact me	hyderabad	Yes
test	test@self.com	999	test	test	Yes
Ram Sharma	ramsharma@gmail.com	9865142425	hello team !!!	Pune	Yes
Prakash	waniprakash@rediff.com	8895754514	Provide tab alerx 10 mg	Thane	Yes
radhe	radhe@radhe.co	12326547865	hello	pune	Yes
Mohit Patil	mohit@gmail.com	9856321254	its working?	mumbai	Yes

Prisma Pharma Ltd.

Home Products About us Contact

Login

CONTACT US

Have a little something, something you wanna talk to us about? Well give us a ring, send us an email, or fill out that nifty form below.

98, Prisma House, Kandivili,
Mumbai, Maharashtra-400067

info@prismapharma.com

+91 9975 538 587

Your Name

Your Email

Mobile No.

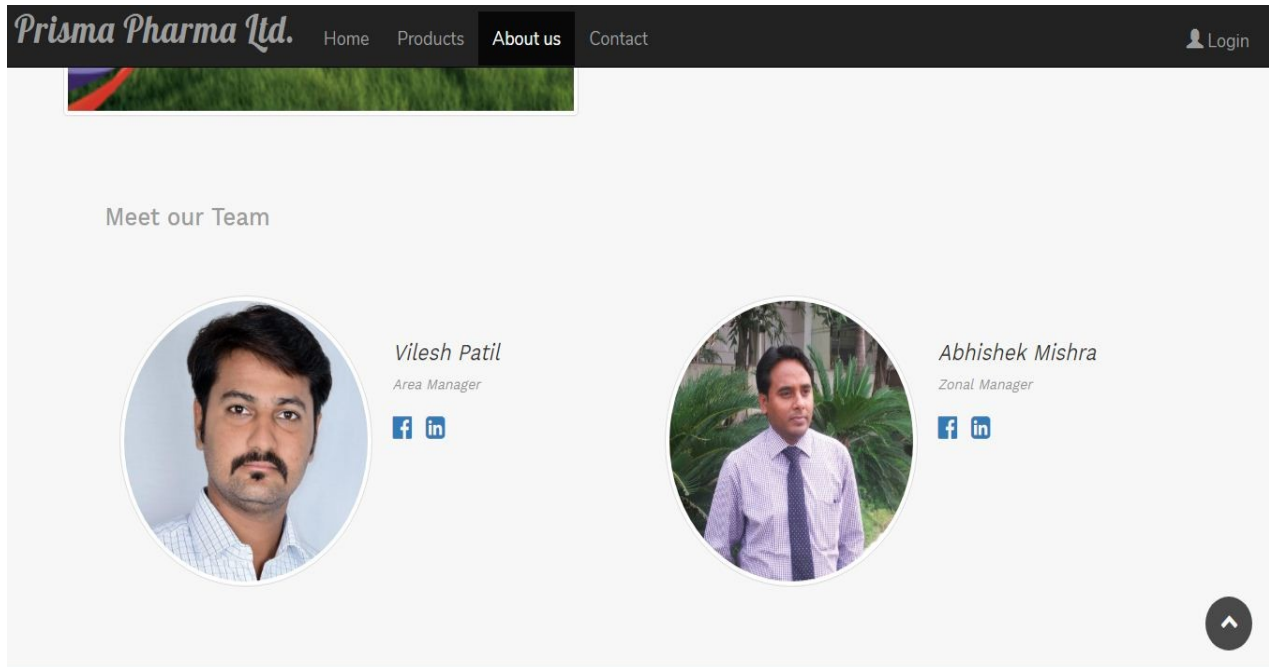
Message

Your city

Send Message

Marathwada Mitra Mandal's College of Engineering, Dept of IT Page 20

MINI PROJECT REPORT



[Back](#)

31-Dec-2017

rohan

kaushal

rohanp9620@gmail.com

CD5555

Ahmednagar

heart surgeon

9633333344

Update

7.TESTING DOCUMENT

INTRODUCTION

“Software testing is the process used to assess the quality of computer software. Software testing is an empirical technical investigation conducted to provide stakeholders with information about the quality of the product or service under test, with respect to the context in which it is intended to operate.”

TESTING PRINCIPLES:-

Principle 1: Definition

To test a program is to try to make it fail.

Principle 2: Tests versus specs

Tests are no substitute for specifications.

Principle 3: Regression testing

Any failed execution must yield a test case, to remain a permanent part of the project's test suite.

Principle 4 (variant): Contracts as oracles

Oracles should be part of the program text, as contracts. Determining test success or failure should be an automatic process consisting of monitoring contract satisfaction during execution

Principle 5: Manual and automatic test cases

An effective testing process must include both manually and automatically produced test cases.

Principle 6: Empirical assessment of testing strategies

Evaluate any testing strategy, however attractive in principle, through objective assessment using explicit criteria in a reproducible testing process.

Principle 7: Assessment criteria

A) Testing strategy's most important property is the number of faults it uncovers as a function of time.

7.TESTING :**1. Login:**

Test ID	Steps	Expected Result	Actual Result
T1	Emp_id Correct Password Correct	PASS	PASS
T2	Emp_id Correct Password Wrong	FAIL	FAIL
T3	Emp_id Wrong Password Correct	FAIL	FAIL
T4	Emp_id Wrong Password Wrong	FAIL	FAIL

2. Insert:

Test ID	Steps	Expected Result	Actual Result
U1	Insert Query: Correct	Insert SUCCESFUL	Insert SUCCESFUL
	Insert Query:	Insert	Insert

U2	Wrong	UNSUCCESSFUL	UNSUCCESSFUL
----	-------	--------------	--------------

3. Update :

Test ID	Steps	Expected Result	Actual Result
U1	Update Query: Correct	UPDATE SUCCESSFUL	UPDATE SUCCESSFUL
U2	Update Query: Wrong	UPDATE UNSUCCESSFUL	UPDATE UNSUCCESSFUL

4. Delete :

Test ID	Steps	Expected Result	Actual Result
D1	Delete Query: Correct	DELETE SUCCESSFUL	DELETE SUCCESSFUL
U2	Delete Query: Wrong	DELETE UNSUCCESSFUL	DELETE UNSUCCESSFUL

8.FUTURE ENHACEMENT:

As future work some additional stuff could be implemented and integrated into the application code making it much more reliable and flexible especially what concerns medical representative system for instance

Apparently the role of such systems is basic and essential within each pharma company that wants to keep a really a good control and record concerning its personal data ,functionality and performance on all levels in its structure .Every Pharmaceutical company in now a days ,has the necessity of managing its representatives on really good level as the student has definitely the greatest merit of building up its future as such as it will be easier for representatives of companies for accessing specific Record of particular days from database that we have formed. The well managed database of medical representative means keeping the appropriate records of each representative of company. Thus medical representative record can be analysis for companies appraisal. The companies can thereby look for specific representative records as per their requirement.

9.Conclusion:

Medical representative login management system lead to a better organization structure since the information management of the representative is well structured and also lead to better as well as efficient utilization of resources.

10.REFERENCES / BIBLIOGRAPHY

- <https://www.google.co.in/>
- <http://www.w3schools.com/>
- <https://www.wikipedia.org/>
- <https://www.tutorialspoint.com/>