Vaccine Management System

A MINI-PROJECT REPORT

Submitted By

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In partial fulfilment for the award of the degree of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING

**RAJALAKSHMI ENGINEERING COLLEGE
(AUTONOMOUS) THANDALAM
CHENNAI-602105**

NOV/DEC, 24

BONAFIDE CERTIFICATE

Certified that this project report " **VACCINE MANAGEMENT SYSYTEM** " is the bonafide work of **" MADHAVV N S (220701151) "** who carried out the project work under my supervision.

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INTERNAL EXAMINER   **EXTERNAL EXAMINER**

ACKNOWLEDGEMENT

I express my sincere thanks to my beloved and honourable chairman **MR.S.MEGANATHAN** and the chairperson **DR.M.THANGAM MEGANATHAN** for their timely support and encouragement.

I am greatly indebted to my respected and honourable principal **Dr. S.N.MURUGESAN** for his able support and guidance.

No words of gratitude will suffice for the unquestioning support extended to us by my head of the department **Dr. P. KUMAR**, and my Academic Head **Dr.SABITHA**, for being ever supporting force during my project work.

I also extend my sincere and hearty thanks to my internal guide **Mrs. JANANEE V** for her valuable guidance and motivation during the completion of this project.

My sincere thanks to my family members, friends and other staff members of Computer Science and Engineering.

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ABSTRACT

The Vaccine Management System (VMS) is a web-based platform designed to enhance the management of vaccines within hospitals. The system provides a user-friendly interface for hospital staff, administrators, and patients, aiming to streamline vaccine inventory management and improve transparency. Admin users can update vaccine availability in real time, allowing for efficient tracking and management of vaccine stocks. Patients can access the platform to check the availability of vaccines at the hospital, enabling informed decisions about their vaccination needs.

This system addresses critical challenges in vaccine administration, such as minimizing vaccine shortages and improving communication between healthcare providers and patients. By integrating digital solutions into hospital operations, the VMS contributes to better healthcare delivery and optimized resource management, ultimately supporting public health initiatives.

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CHAPTER 1
INTRODUCTION

1.1 INTRODUCTION

In the healthcare sector, managing vaccine inventory and availability is critical for ensuring public health and efficient medical services. This project introduces the Vaccine Management System (VMS), a comprehensive, web-based platform aimed at improving vaccine management within hospitals. By utilizing HTML, CSS, JavaScript, PHP, MySQL, and Bootstrap, the VMS creates a streamlined and effective solution for tracking vaccine stocks, updating availability, and improving communication between hospital staff, administrators, and patients.

The VMS incorporates an intuitive user interface accessible across devices, enabling administrators to manage vaccine data in real time. The system includes features for viewing current vaccine stock, updating inventory levels, and providing patients with real-time information about vaccine availability. Built with Bootstrap, the responsive design adapts seamlessly to various devices, while PHP and MySQL handle back-end processes, ensuring secure data storage and efficient database interactions.

By addressing key challenges in vaccine distribution and management, this project aims to enhance healthcare delivery through transparency and efficient inventory management. The use of a robust web-based system allows hospital staff to track vaccine availability dynamically, thereby minimizing shortages and ensuring that patients receive timely updates on the vaccines they need. This platform enhances operational efficiency and contributes to improved public health outcomes.
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1.2 SCOPE OF THE WORK

The scope of the Vaccine Management System (VMS) project is to develop a web-based application that allows hospitals to streamline the management and availability of vaccines. Key functionalities include secure user authentication, allowing administrators to safely log in and manage vaccine inventories. Hospital staff can update vaccine stock levels in real time, ensuring accurate and current inventory data. The platform will also provide patients with easy access to vaccine availability information, enabling them to make informed vaccination decisions.

The VMS incorporates a responsive design through Bootstrap, making it fully accessible across different devices. MySQL will serve as the database for securely storing vaccine data, enabling efficient access and updating capabilities for administrators. With JavaScript, real-time updates ensure instant reflection of changes without page reloads, optimizing the user experience. The system is also designed to scale, allowing for potential future enhancements such as patient scheduling and notifications for upcoming vaccinations.

Designed with flexibility and adaptability in mind, this project aims to deliver a functional and user-centric solution for managing vaccines in hospital settings. By integrating digital solutions with healthcare operations, the VMS addresses critical challenges in vaccine administration and stock management, supporting better healthcare services and optimizing resource allocation.

1.3 AIM AND OBJECTIVES OF THE PROJECT

The Vaccine Management System (VMS) project aims to establish a secure and efficient web-based platform to enhance vaccine management within hospital settings. Key objectives include implementing a secure user authentication system that allows hospital administrators and staff to manage vaccine data safely, ensuring the confidentiality and integrity of sensitive information. Real-time inventory management is a central feature, enabling administrators to update vaccine stock levels instantly, which guarantees the reliability of vaccine availability data. This feature, combined with patient access to real-time vaccine information, allows patients to make informed vaccination decisions based on up-to-date availability.

The project prioritizes a responsive interface design through Bootstrap, providing an optimal experience across mobile and desktop devices, thus ensuring accessibility and ease of use for all users. MySQL is employed for efficient data storage and management, maintaining data integrity and secure access for authorized users. Additionally, the VMS is designed with scalability in mind, supporting future enhancements such as patient notifications and expanded reporting capabilities. Ultimately, this system aims to streamline hospital operations, improve public health outcomes, and offer a flexible solution that can adapt to evolving healthcare needs.

CHAPTER 2
SYSTEM SPECIFICATIONS

2.1 HARDWARE SPECIFICATIONS

The hardware requirements for the Vaccine Management System (VMS) include a server or local machine capable of hosting both the MySQL database and a web server (e.g., Apache) to support the platform's vaccine inventory and management functionalities. The system is designed to operate efficiently on standard hardware specifications, requiring a minimum of 4GB of RAM and a dual-core processor to ensure smooth performance. Additionally, a reliable internet connection is essential for both data synchronization and user interactions with the VMS's web-based interface. Users can access the system from any device, including PCs, laptops, tablets, or smartphones, equipped with a modern web browser. No specialized hardware is needed beyond the hosting server and the devices used by hospital staff, administrators, and patients.

2.2 SOFTWARE SPECIFICATIONS

The front-end of the VMS is developed using HTML to provide structured and accessible content, while CSS and Bootstrap ensure a responsive design that adjusts seamlessly across devices, making the platform user-friendly for both hospital staff and patients. JavaScript enhances interactivity, enabling real-time updates and a dynamic experience, which is essential for the accurate and immediate display of vaccine availability and other critical information.

On the back-end, PHP handles server-side processing, managing requests from users and administrators, and facilitating secure interactions with the MySQL database. MySQL is employed for efficient storage and management of user data, vaccine inventory, and other essential records, providing secure and organized data access. This combination of front-end and back-end technologies creates a robust and reliable system for managing vaccine data, ensuring a secure, scalable, and responsive platform suited to the healthcare environment.

CHAPTER 3
ARCHITECTURE DIAGRAM
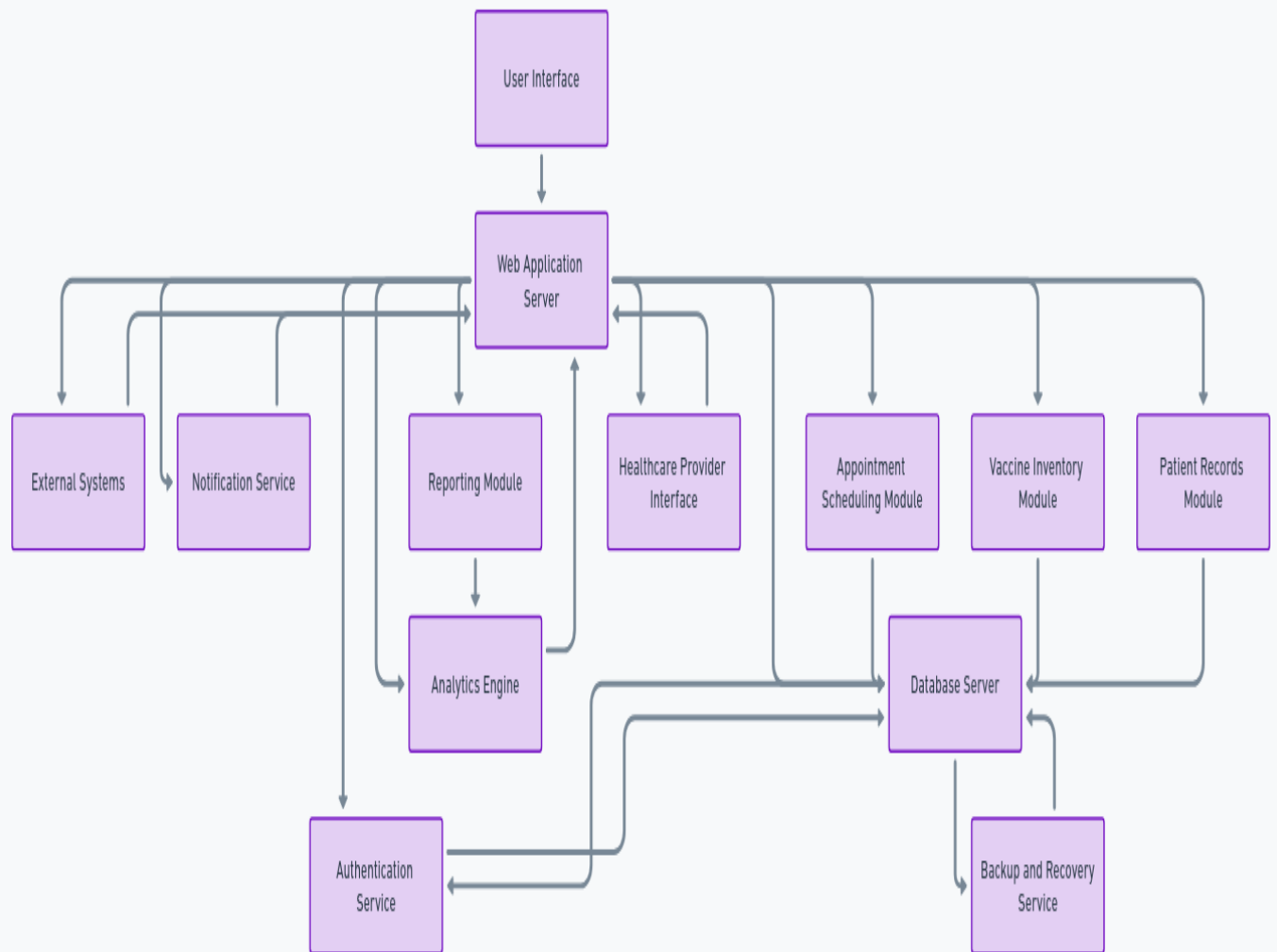
CHAPTER 4
MODULE DESCRIPTION

4.1 DASHBOARD MODULE

 The dashboard module in the Vaccine Management System (VMS) serves as the primary interface for hospital administrators and staff, providing a centralized view of vaccine inventory and availability. Upon logging in, users can see an overview of current vaccine stock levels, including vaccines that are low or have been recently updated. This module displays real-time data, enabling quick assessment of vaccine availability and making it easier for administrators to prioritize inventory management tasks. Additionally, visual indicators help users track inventory status, providing clear visibility into which vaccines need immediate attention. The dashboard enables users to update vaccine data directly, ensuring that the information presented is current and accurate. By offering a comprehensive view of inventory, the dashboard helps hospital staff maintain efficient vaccine management.

4.2 VACCINE MANAGEMENT MODULE

The Vaccine Management Module is essential for adding and updating vaccine inventory. Through this module, administrators can add new vaccines or edit details of existing ones, including the vaccine name, quantity, and expiration date. This ensures that all vaccines are tracked accurately, providing a structured approach to inventory management. The input form is user-friendly and includes validation to prevent incomplete submissions, which is crucial for maintaining reliable data. Once added, vaccine details can be accessed and modified as necessary, allowing administrators to adjust inventory information based on real-time needs. This module provides flexibility in managing vaccine stocks, giving administrators full control over inventory adjustments.

4.3 INVENTORY STATUS MODULE

The Inventory Status Module provides hospital staff and administrators with a comprehensive view of all vaccines available within the hospital. Users can view vaccine status (in stock, low stock, or out of stock) and filter results based on these statuses or other details like vaccine type and expiration date. This module allows for easy monitoring and adjustments, such as updating quantities or marking items as "low stock" to prompt reordering. By providing a full history of updates, this module ensures staff can accurately track inventory changes and take timely actions, helping maintain sufficient vaccine supplies and minimize shortages.

4.4 PATIENT ACCESS MODULE

The Patient Access Module allows patients to view real-time vaccine availability, providing them with transparent information on stock levels for the vaccines they may require. Patients can check availability via a user-friendly interface and make decisions based on current stock, facilitating efficient vaccine access. This module supports informed decision-making, allowing patients to plan their vaccinations with confidence that the vaccines they need are in stock. By giving patients visibility into vaccine availability, the VMS strengthens communication between healthcare providers and patients, ensuring improved access to vaccines and better overall healthcare outcomes.
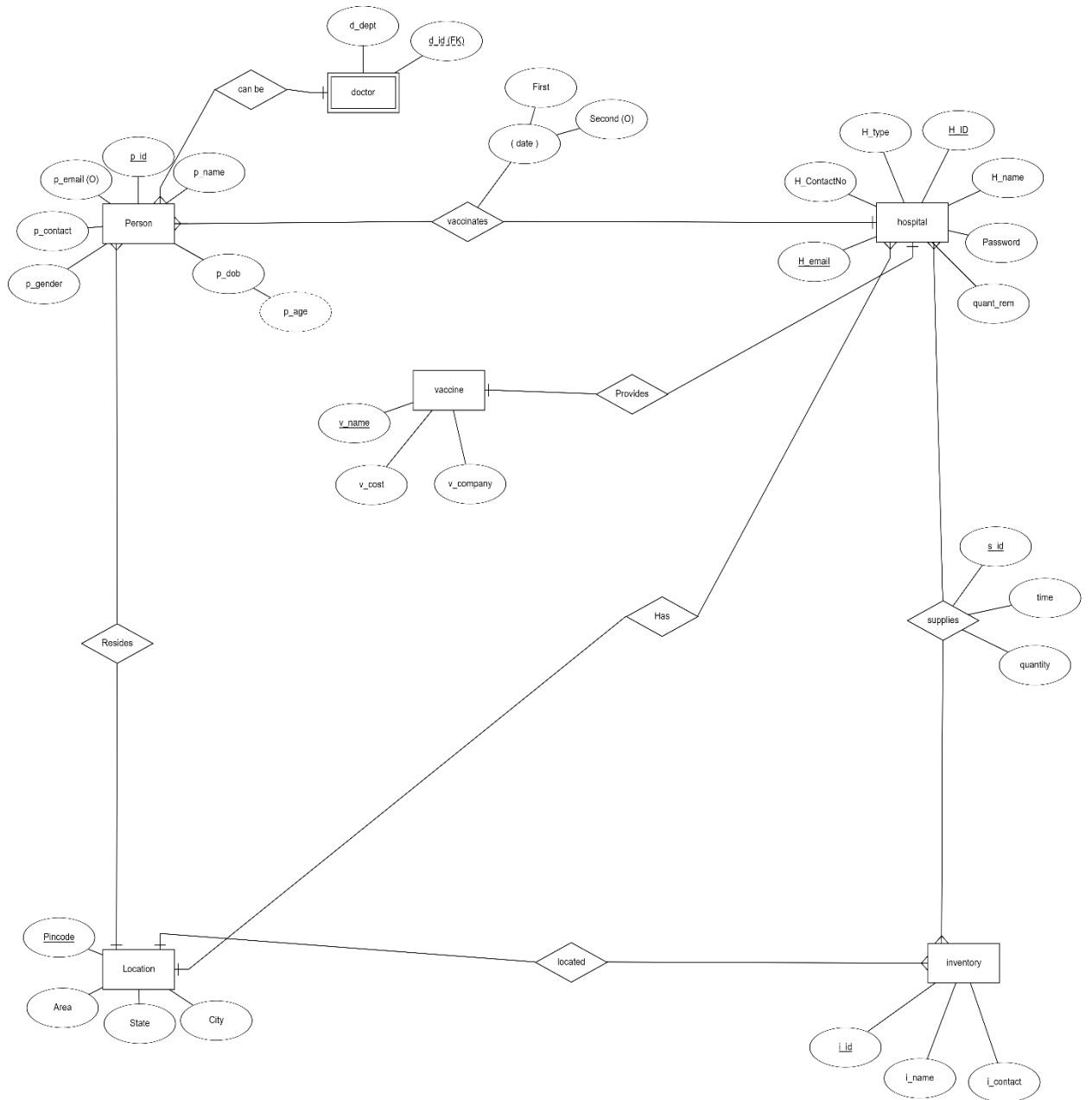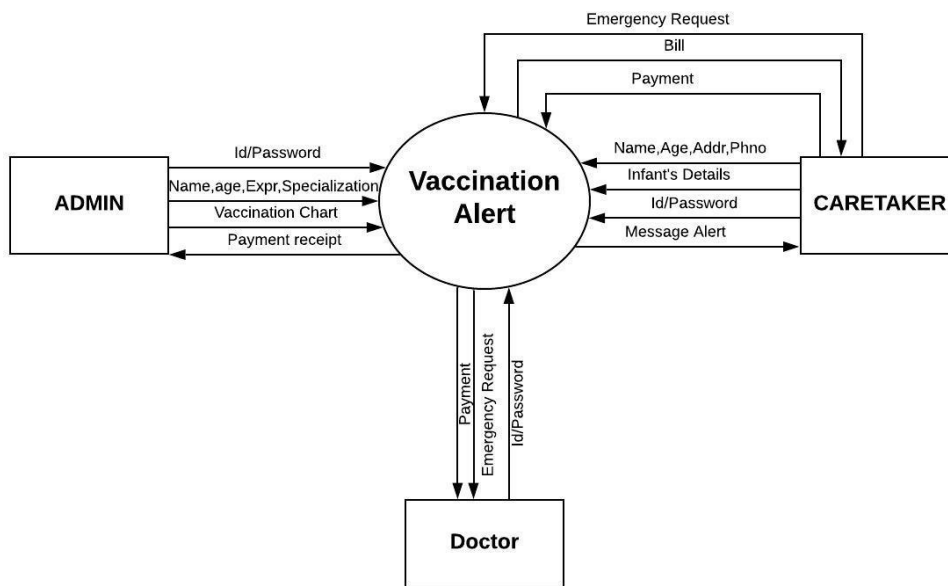
CHAPTER 5

SYSTEM DESIGN

5.1 USE CASE DIAGRAM
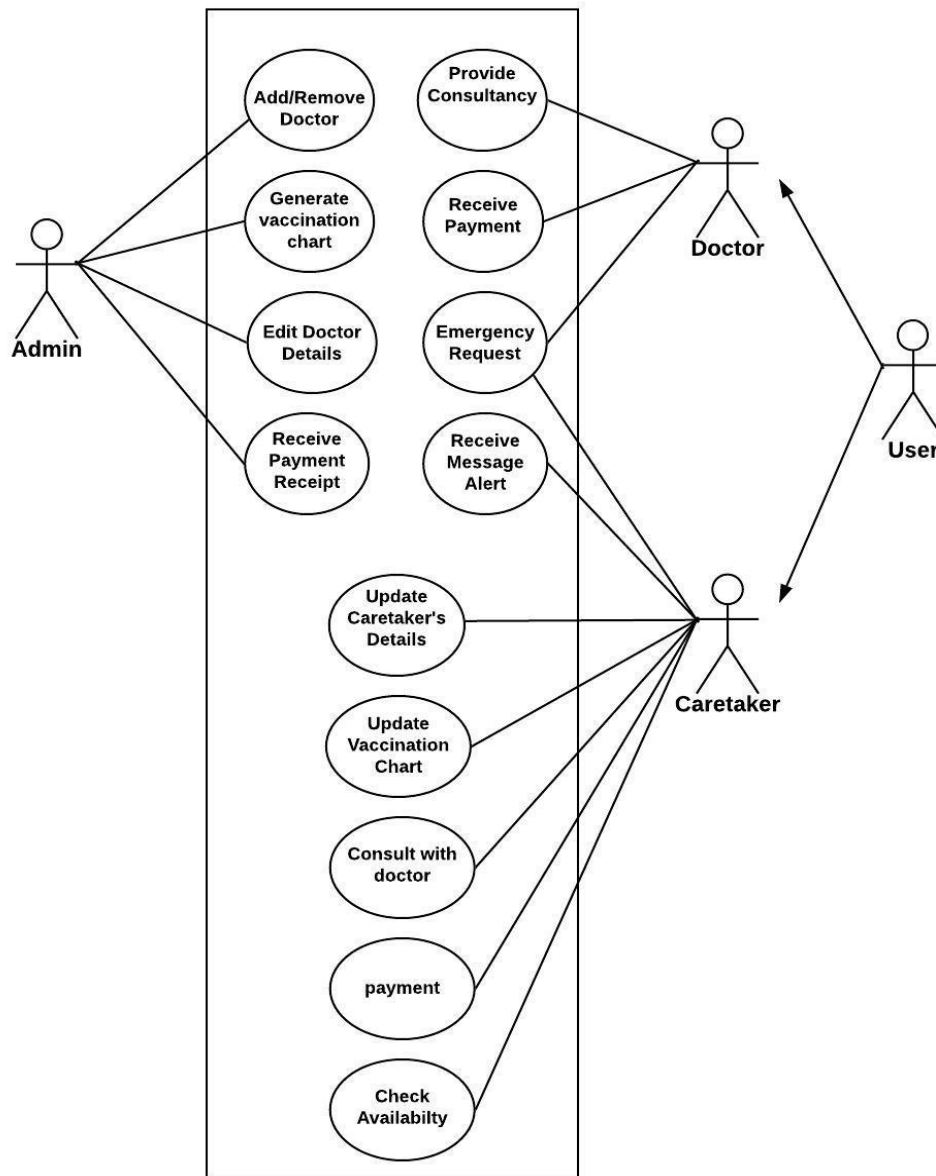
5.2 ER DIAGRAM

5.3 DATA FLOW DIAGRAM

CHAPTER 6

SAMPLE CODING

INDEX.PHP

```php
<?php

include_once('hms/include/config.php');

if(isset($_POST['submit']))

{

$name=$_POST['fullname'];

$email=$_POST['emailid'];

$mobileno=$_POST['mobileno'];

$dscrption=$_POST['description'];

$query=mysqli_query($con,"insert into tblcontactus(fullname,email,contactno,message)
value('$name','$email','$mobileno','$dscrption')");

echo "<script>alert('Your information succesfully submitted');</script>";

echo "<script>window.location.href ='index.php'</script>";

} ?>
```

```html
<!doctype html>

<html lang="en">

<head>

    <meta charset="utf-8">

    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-
fit=no">

    <title> VaxLink</title>

    <link rel="stylesheet" type="text/css" href="assets/css/style.css" />

</head>

    <body>

        <header id="menu-jk">
```

```html
<div id="nav-head" class="header-nav">

  <div class="container">

    <div class="row">

      <div class="col-lg-2 col-md-3  col-sm-12" style="color:#000;font-weight:bold;
font-size:42px; margin-top: 1% !important;">VaxLink

        <a data-toggle="collapse" data-target="#menu" href="#menu" ><i class="fas
d-block d-md-none small-menu fa-bars"></i></a>

      </div>

      <div id="menu" class="col-lg-8 col-md-9 d-none d-md-block nav-item">

        <ul>

          <li><a href="#">Home</a></li>

          <li><a href="#services">Services</a></li>

          <li><a href="#about_us">About Us</a></li>

          <li><a href="#gallery">Gallery</a></li>

          <li><a href="#contact_us">Contact Us</a></li>

          <li><a href="#logins">Credentials</a></li>

        </ul>

      </div>

      <div class="col-sm-2 d-none d-lg-block appoint">

        <a class="btn btn-success" href="hms/user-login.php">Book an
Appointment</a>

      </div>

    </div>

  </div>

</header>
<footer class="footer">

  <div class="container">

    <div class="row">
```

```html
        <div class="col-md-6 col-sm-12">

            <h2>Useful Links</h2>

            <ul class="list-unstyled link-list">

                <li><a ui-sref="about" href="#about">About us</a><i class="fa fa-angle-right"></i></li>

                <li><a ui-sref="portfolio" href="#services">Services</a><i class="fa fa-angle-right"></i></li>

                <li><a ui-sref="products" href="#logins">Credentials</a><i class="fa fa-angle-right"></i></li>

                <li><a ui-sref="gallery" href="#gallery">Gallery</a><i class="fa fa-angle-right"></i></li>

                <li><a ui-sref="contact" href="#contact">Contact us</a><i class="fa fa-angle-right"></i></li>

            </ul>

        </div>

        <div class="col-md-6 col-sm-12 map-img">

            <h2>Contact Us</h2>

            <address class="md-margin-bottom-40">
<?php

$ret=mysqli_query($con,"select * from tblpage where PageType='contactus' ");

while ($row=mysqli_fetch_array($ret)) {

?>

                <?php  echo $row['PageDescription'];?> <br>

                Phone: <?php  echo $row['MobileNumber'];?> <br>

                Email: <a href="mailto:<?php  echo $row['Email'];?>" class=""><?php  echo $row['Email'];?></a><br>

                Timing: <?php  echo $row['OpenningTime'];?>

            </address>

    <?php } ?>

        </div>
```

```html
            </div>

          </div>

        </footer>

        <div class="copy">

            <div class="container">VaxLink

            </div>

          </div>

        </body>

<script src="assets/js/jquery-3.2.1.min.js"></script>

<script src="assets/js/popper.min.js"></script>

<script src="assets/js/bootstrap.min.js"></script>

<script src="assets/plugins/scroll-nav/js/jquery.easing.min.js"></script>

<script src="assets/plugins/scroll-nav/js/scrolling-nav.js"></script>

<script src="assets/plugins/scroll-fixed/jquery-scrolltofixed-min.js"></script>

<script src="assets/js/script.js"></script>

</html>
```

STYLE.CSS

```css
* {
  margin: 0px;
  padding: 0px;
  list-style: none; }
img {
  max-width: 100%; }
a {
  text-decoration: none;
  outline: none;
  color: #444; }
a:hover {
  color: #444; }
ul {
  margin-bottom: 0;
  padding-left: 0; }
```

```css
a:hover,
a:focus,
input,
textarea {
  text-decoration: none;
  outline: none; }
.center {
  text-align: center; }
.left {
  text-align: left; }
.right {
  text-align: right; }
.cp {
  cursor: pointer; }
html, body {
  height: 100%; }
p {
  margin-bottom: 0px;
  width: 100%; }
.no-padding {
  padding: 0px; }
.no-margin {
  margin: 0px; }
.hid {
  display: none; }
.top-mar {
  margin-top: 15px; }
.h-100 {
  height: 100%; }
::placeholder {
  color: #747f8a !important;
  font-size: 13px;
  opacity: .5 !important; }
.container-fluid {
  padding: 0px; }
h1, h2, h3, h4, h5, h6 {
  font-family: "mouse-500", Arial, Helvetica, sans-serif; }

strong {
  font-family: "mouse-500", Arial, Helvetica, sans-serif; }
body {
  background-color: #f7f7ff !important;
  font-family: "mouse-300", Arial, Helvetica, sans-serif;
```

```css
  color: #6A6A6A; }
.session-title {
 padding: 30px;
 margin: 0px; }
 .session-title h2 {
  width: 100%;
  text-align: center; }
 .session-title p {
  max-width: 850px;
  text-align: center;
  float: none;
  margin: auto; }
 .session-title span {
  float: right;
  font-style: italic; }
.inner-title {
 padding: 20px;
 padding-left: 0px;
 margin-bottom: 30px; }
 .inner-title h2 {
  width: 100%;
  text-align: center;
  font-size: 2rem;
  font-family: "slab", Arial, Helvetica, sans-serif; }
 .inner-title p {
  width: 100%;
  text-align: center; }
.page-nav {
 padding: 40px;
 text-align: center;
 padding-top: 160px; }
 .page-nav ul {
  float: none;
  margin: auto; }
 .page-nav h2 {
  font-size: 36px;
  width: 100%;
  color: #444; }
  @media screen and (max-width: 600px) {
   .page-nav h2 {
    font-size: 26px; } }
 .page-nav ul li {
  float: left;
```

```css
      margin-right: 10px;
      margin-top: 10px;
      font-size: 16px; }
      .page-nav ul li i {
        width: 30px;
        text-align: center;
        color: #444; }
      .page-nav ul li a {
        color: #444; }
  .btn-success {
    background-color: #00ab9f;
    border-color: #00ab9f; }
    .btn-success:hover {
      background-color: #00ab9f !important;
      border-color: #00ab9f !important; }
    .btn-success:active {
      background-color: #00ab9f !important;
      border-color: #00ab9f !important; }
    .btn-success:focus {
      background-color: #00ab9f !important;
      border-color: #00ab9f !important;
      box-shadow: none !important; }
  .btn-info {
    background-color: #00a8df;
    border-color: #00a8df; }
    .btn-info:hover {
      background-color: #00a8df !important;
      border-color: #00a8df !important; }
    .btn-info:active {
      background-color: #00a8df !important;
      border-color: #00a8df !important; }
    .btn-info:focus {
      background-color: #00a8df !important;
      border-color: #00a8df !important;
      box-shadow: none !important; }
  .btn {
    box-shadow: 0 3px 1px -2px rgba(0, 0, 0, 0.2), 0 2px 2px 0 rgba(0, 0, 0,
0.14), 0 1px 5px 0 rgba(0, 0, 0, 0.12);
    border-radius: 2px; }
  .form-control:focus {
    box-shadow: none !important;
    border: 2px solid  #00a8df; }
  .btn-light {
    background-color: #FFF;}
```

SCRIPT.JS

```javascript
$( document ).ready(function() {
    var w = window.innerWidth;

    if(w > 767){
        $('#menu-jk').scrollToFixed();
    }else{
        $('#menu-jk').scrollToFixed();
    }

})

$(document).ready(function(){

    $(".filter-button").click(function(){
        var value = $(this).attr('data-filter');

        if(value == "all")
        {
            $('.filter').show('1000');
        }
        else
        {        $(".filter").not('.'+value).hide('3000');
            $('.filter').filter('.'+value).show('3000');


        }
    });

    if ($(".filter-button").removeClass("active")) {
$(this).removeClass("active");
}
$(this).addClass("active");

});
```

ADMIN.PHP

```php
<?php
session_start();
error_reporting(0);
include("include/config.php");
```

```php
if(isset($_POST['submit']))
{
$uname=$_POST['username'];
$upassword=$_POST['password'];
$ret=mysqli_query($con,"SELECT * FROM admin WHERE
username='$uname' and password='$upassword'");
$num=mysqli_fetch_array($ret);
if($num>0)
{
$_SESSION['login']=$_POST['username'];
$_SESSION['id']=$num['id'];
header("location:dashboard.php");
}
else
{
$_SESSION['errmsg']="Invalid username or password";
}
}
?>
```

```html
<!DOCTYPE html>
<html lang="en">
   <head>
      <title>Admin-Login</title>
</head>
   <body class="login">
      <div class="row">
         <div class="main-login col-xs-10 col-xs-offset-1 col-sm-8 col-sm-
offset-2 col-md-4 col-md-offset-4">
            <div class="logo margin-top-30">
            <h2>Admin Login</h2>
            </div>
            <div class="box-login">
               <form class="form-login" method="post">
                  <fieldset>
                     <legend>
                        Sign in to your account
                     </legend>
                     <p>
                        Please enter your name and password to log in.<br />
                        <span style="color:red;"><?php echo
htmlentities($_SESSION['errmsg']); ?><?php echo
htmlentities($_SESSION['errmsg']="");?></span>
                     </p>
                     <div class="form-group">
```

```html
                    <span class="input-icon">
                        <input type="text" class="form-control"
name="username" placeholder="Username">
                        <i class="fa fa-user"></i> </span>
                </div>
                <div class="form-group form-actions">
                    <span class="input-icon">
                        <input type="password" class="form-control
password" name="password" placeholder="Password"><i class="fa fa-
lock"></i>
                    </span>
                </div>
                <div class="form-actions">
                    <button type="submit" class="btn btn-primary pull-
right" name="submit">
                        Login <i class="fa fa-arrow-circle-right"></i>
                    </button>
                </div>
                <a href="../../index.php">Bacto Home Page</a>
            </fieldset>
        </form>
        <div class="copyright">
            <span class="text-bold text-uppercase">Hospital
Management System</span>
        </div>
    </div>
  </div>
 </div>
</body>
</html>
```

DOCTER.PHP

```php
<?php
session_start();
include("include/config.php");
error_reporting(0);
if(isset($_POST['submit']))
{
$uname=$_POST['username'];
$dpassword=md5($_POST['password']);
$ret=mysqli_query($con,"SELECT * FROM doctors WHERE
docEmail='$uname' and password='$dpassword'");
$num=mysqli_fetch_array($ret);
```

```php
if($num>0)
{
$_SESSION['dlogin']=$_POST['username'];
$_SESSION['id']=$num['id'];
$uid=$num['id'];
$uip=$_SERVER['REMOTE_ADDR'];
$status=1;
$log=mysqli_query($con,"insert into doctorslog(uid,username,userip,status)
values('$uid','$uname','$uip','$status')");
header("location:dashboard.php");
}
else
{
$uip=$_SERVER['REMOTE_ADDR'];
$status=0;
mysqli_query($con,"insert into doctorslog(username,userip,status)
values('$uname','$uip','$status')");
echo "<script>alert('Invalid username or password');</script>";
echo "<script>window.location.href='index.php'</script>";
}
}
?>
<!DOCTYPE html>
<html lang="en">
   <head>
      <title>Doctor Login</title>
</head>
   <body class="login">
      <div class="row">
        <div class="main-login col-xs-10 col-xs-offset-1 col-sm-8 col-sm-
offset-2 col-md-4 col-md-offset-4">
            <div class="logo margin-top-30">
            <a href="../../index.php">  <h2> HMS | Doctor Login</h2></a>
            </div>
            <div class="box-login">
              <form class="form-login" method="post">
                <fieldset>
                  <legend>
                     Sign in to your account
                  </legend>
                  <p>
                     Please enter your name and password to log in.<br />
                     <span style="color:red;"><?php echo
$_SESSION['errmsg']; ?><?php echo $_SESSION['errmsg']="";?></span>
```

```html
        </p>
        <div class="form-group">
           <span class="input-icon">
              <input type="text" class="form-control"
name="username" placeholder="Email" required>
              <i class="fa fa-user"></i> </span>
        </div>
        <div class="form-group form-actions">
           <span class="input-icon">
              <input type="password" class="form-control
password" name="password" placeholder="Password" required>
              <i class="fa fa-lock"></i>
              </span>
              <a href="forgot-password.php">
              Forgot Password ?
           </a>
        </div>
        <div class="form-actions">
           <button type="submit" class="btn btn-primary pull-
right" name="submit">
              Login <i class="fa fa-arrow-circle-right"></i>
           </button>
        </div>
      </fieldset>
   </form>
   <div class="copyright">
   <span class="text-bold text-uppercase"> Hospital Management
System</span>
   </div>
   </div>
   </div>
   </div>
</body>
</html>
```

PATIENT.PHP

```php
<?php session_start();
error_reporting(0);
include("include/config.php");
if(isset($_POST['submit']))
{
$puname=$_POST['username'];
$ppwd=md5($_POST['password']);
```

```php
$ret=mysqli_query($con,"SELECT * FROM users WHERE
email='$puname' and password='$ppwd'");
$num=mysqli_fetch_array($ret);
if($num>0)
{
$_SESSION['login']=$_POST['username'];
$_SESSION['id']=$num['id'];
$pid=$num['id'];
$host=$_SERVER['HTTP_HOST'];
$uip=$_SERVER['REMOTE_ADDR'];
$status=1;
$log=mysqli_query($con,"insert into userlog(uid,username,userip,status)
values('$pid','$puname','$uip','$status')");
header("location:dashboard.php");
}
else
{
$_SESSION['login']=$_POST['username'];
$uip=$_SERVER['REMOTE_ADDR'];
$status=0;
mysqli_query($con,"insert into userlog(username,userip,status)
values('$puname','$uip','$status')");
echo "<script>alert('Invalid username or password');</script>";
echo "<script>window.location.href='user-login.php'</script>";
}
}
?>
<!DOCTYPE html>
<html lang="en">
   <head>
      <title>User-Login</title>
</head>
   <body class="login">
      <div class="row">
         <div class="main-login col-xs-10 col-xs-offset-1 col-sm-8 col-sm-
offset-2 col-md-4 col-md-offset-4">
            <div class="logo margin-top-30">
            <a href="../index.php"><h2> HMS | Patient Login</h2></a>
            </div>
            <div class="box-login">
               <form class="form-login" method="post">
                  <fieldset>
                     <legend>
                        Sign in to your account
```
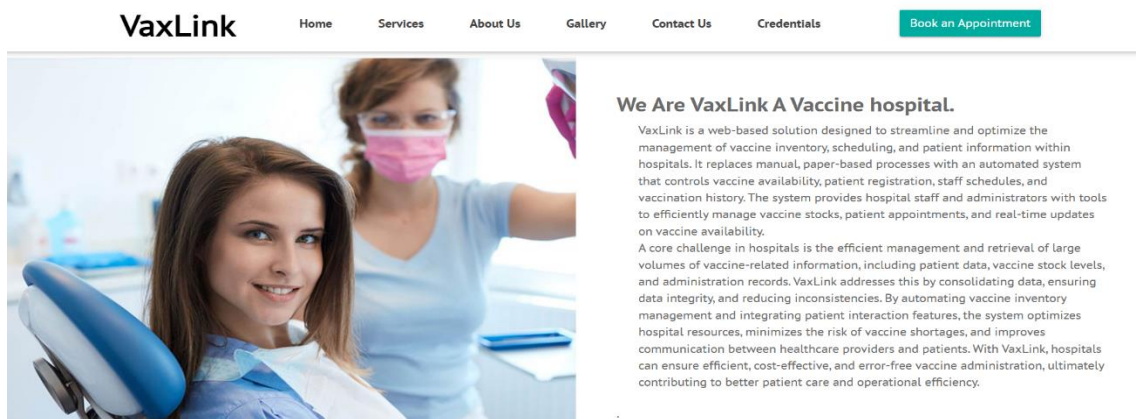
```html
                </legend>
                <p>
                    Please enter your name and password to log in.<br />
                    <span style="color:red;"><?php echo
$_SESSION['errmsg']; ?><?php echo $_SESSION['errmsg']="";?></span>
                </p>
                <div class="form-group">
                    <span class="input-icon">
                        <input type="email" class="form-control"
name="username" placeholder="Email" required>
                        <i class="fa fa-user"></i> </span>
                </div>
                <div class="form-group form-actions">
                    <span class="input-icon">
                        <input type="password" class="form-control"
name="password" placeholder="Password" required>
                        <i class="fa fa-lock"></i>
                        </span><a href="forgot-password.php">
                        Forgot Password ?
                    </a>
                </div>
                <div class="form-actions">
                    <button type="submit" class="btn btn-primary pull-
right" name="submit">
                        Login <i class="fa fa-arrow-circle-right"></i>
                    </button>
                </div>
                <div class="new-account">
                    Don't have an account yet?
                    <a href="registration.php">
                        Create an account
                    </a>
                </div>
            </fieldset>
        </form>
        <div class="copyright">
            </span><span class="text-bold text-uppercase"> Hospital
Management System</span>.
        </div>
        </div>
    </div>
</script>
    </body>
</html>
```

CHAPTER 7
SCREEN SHOTS

HOME PAGE

CREDENTIALS PAGE
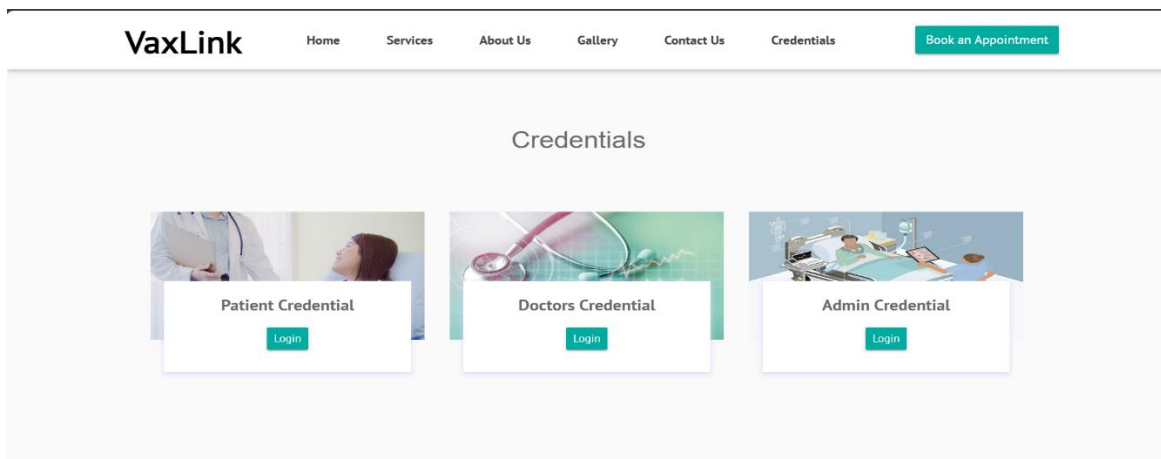
ABOUT US PAGE

LOGIN PAGE(Admin, Doctor and Patient)

DASHBOARD PAGE(Admin, Doctor and Patient)

MEDICAL HISTORY PAGE

VaxLink

MAIN NAVIGATION

Dashboard
Book Appointment
Appointment History
Medical History

Welcome!!! Amit kumar

USERS | MEDICAL HISTORY

Users / Medical History

Users **Medical History**

Patient Details

Patient Name	Amit	Patient Email	amitk@gmail.com
Patient Mobile Number	4545454545	Patient Address	NA
Patient Gender	male	Patient Age	45
Patient Medical History(if any)	Fever	Patient Reg Date	2024-05-16 14:31:26

Medical History

#	Blood Pressure	Weight	Blood Sugar	Body Temprature	Medical Prescription	Visit Date
1	80/120	85	110	97	Dolo, Levocit 5mg	2024-05-16 14:37:16

ADD VACCINE PAGE

VaxLink

MAIN NAVIGATION

Dashboard
Vaccines
Users
Patients
Appointment History
Conatctus Queries
Doctor Session Logs
User Session Logs
Reports
Pages
Patient Search

Welcome!!! Admin

ADMIN | ADD VACCINE

Admin / Add Vaccine

Add Vaccine

Vaccine or Doctor Specialization

Select Specialization

Vaccine Name

Please select an item in the list.

Enter Doctor Name

Doctor Clinic Address

Enter Doctor Clinic Address

Doctor Consultancy Fees

Enter Doctor Consultancy Fees

Doctor Contact no

Enter Doctor Contact no

Doctor Email

Enter Doctor Email id

VIEW PATIENT PAGE

VaxLink

MAIN NAVIGATION

Dashboard
Vaccines
Users
Patients
Appointment History
Conatctus Queries
Doctor Session Logs
User Session Logs
Reports
Pages
Patient Search

Welcome!!! Admin

ADMIN | VIEW PATIENTS

Admin / View Patients

View **Patients**

#	Patient Name	Patient Contact Number	Patient Gender	Creation Date	Updation Date	Action
1.	Rahul Singyh	452463210	male	2024-05-16 10:53:35		View
2.	Amit	4545454545	male	2024-05-16 14:31:26		View

CHAPTER 8
CONCLUSION

The Vaccine Management System (VMS) developed in this project offers a robust and user-friendly solution for managing vaccine inventory within hospitals. By providing secure login, real-time inventory updates, and patient access to vaccine availability information, the system addresses critical needs in vaccine administration and enhances transparency in healthcare. The centralized dashboard and intuitive interface allow hospital staff to track vaccine stocks efficiently, ensuring that essential vaccines are always available to meet patient demands. This streamlined approach to inventory management minimizes shortages and improves operational efficiency, ultimately supporting better patient care.

The system's real-time functionality and mobile responsiveness, achieved through Bootstrap, enable seamless access across devices, ensuring that administrators, staff, and patients have up-to-date information wherever they are. The secure back-end, powered by PHP and MySQL, maintains data integrity, safeguarding sensitive information and enabling reliable data management.

Looking ahead, the VMS has potential for expansion with future enhancements, such as notification alerts for low stock and patient updates on vaccine availability. Additionally, features like detailed reporting and integration with broader hospital management systems could make the VMS even more valuable. These improvements would further position the VMS as a vital tool in supporting healthcare operations, improving vaccine accessibility, and contributing to overall public health efforts.

CHAPTER 9
REFERENCES

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https://www.w3schools.com/js/default.asp

https://getbootstrap.com/docs/5.0/getting-started/introduction/

https://www.php.net/docs.php

https://www.timehero.com/