MINI PROJECT REPORT

ON

COVID-19 Testing Management System



Submitted by

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Abstract

Nowadays, **COVID-19 Management System** is one of the most essential tools that are mostly used in Testing Lab; it is mostly used to manage COVID19 medical lab related activities.

In this project we tried to develop a computerized and web based COVID19 Testing management system. Our main intention is to allow this application to be used in most retailing COVID19 lab, where a small point of customization will be required to each COVID19 lab in the implementation period. This system is designed to overcome all challenges related to the management of diagnostic that were used to be handled locally and manually.

The system is an online COVID19 lab manager application that brings up various COVID19 test working online. Using this system, it will help us to records all transaction made at the daily tests; recognize all customers, employees, etc. It will manage all activities around the COVID19 lab that increases productivity and maximize profit, it will also minimizing the risk of getting loss because all transactions are recorded to the system.

Introduction

COVID19 Testing Management System is web based technology which brings up various diagnosis works online. Here patients are first allowed to register on the website and provide personal, test information. Once registered with their address and contact details, the patients may now see a variety of tests conducted by the lab. The patient will select the required test and book appointment after that lab center send a lab boy at registered address to collect a sample. After successful sample collection patient can track their test history using the name, order and registered mobile number. The system allows admin to attach a copy of the report into the system and automatically shown on user side so user can downloads report.

In COVID19 Testing Management System we use PHP and MySQL database. It has three modules i.e.

- 1. Admin
- 2. User (Patient)

Admin Module

Admin is the super user of the website who can manage everything on the website. Admin can log in through the login page

Dashboard: In this section, the admin can see all detail in brief like the total, assigned and the sample collected and completed tests.

☐ Phlebotomist: In this section, the admin can manage Phlebotomist (add, update, delete).
☐ Testing : In this section, the admin can manage all the tests like assign the test to Phlebotomist
and update the history.
□ Report: In this section, the admin can generate two types of report. One is between dates
reports and another one is by search. Admin can search the report by order number, name and
mobile number.
□ Notification: In this section, the admin will get a notification for every new test request
(notification bell).
☐ Admin can also update his profile, change the password and recover the password.

User (Patient) Module

☐ User can visit the application through a URL.
☐ Testing: This section divided into two parts. One is for new user and another one is for
registered user. New user (First-time user) needs to provide personal and testing Information. A
registered user only needs to provide test information; their personal information will be fetched
from the database.
\square Report: In this section, Users can search their test report using order number, name and
registered mobile number.
☐ Dashboard: In this section, the User can see the in which State of how many tests are done.

Purpose

The main purpose of COVID19 management system to provide a platform where patients can book the test online and get their COVID19 test done at home. With the help of this project we are bringing the use of technology in the field of medical diagnosis where patients can avail all the diagnosis facilities at their door steps. Another purpose for developing this application is to generate the report automatically.

Scope

Today also we have to go to the COVID19 Test Lab center, wait in the queue to get our COVID19 test done. As Technology is growing rapidly we are also moving to a technical world where everything we want to be online. So with the help of this project we are bringing the use of technology in the field of medical diagnosis where patients can avail all the diagnosis facilities at their door steps. This project makes the diagnosis process easy and reduces the burden of patients. At a same time its help the diagnostic center to track all their patients details with their test reports. This access friendly software provides quick and effective services which helps the diagnostic center to increase their sales and profit.

Advantages:

☐ The system allows automate diagnosis system.
☐ Allows for faster service.
☐ Allows increased sales and profits for diagnostic labs.
☐ Easy,user friendly GUI.
$\hfill \Box$ Validation of data will be ensure only accurate valid and complete data stored in the database.
☐ Easy retrieval or data will be made possible by finding techniques.
☐ Report generation will help made it easy to analyze the performance.
Disadvantages:
☐ It reduces employment as the human efforts are being automated by this system.

Requirement Specification

Hardware Configuration:

Client Side:

RAM 512 MB

Hard disk 10 GB

Processor 1.0 GHz

Server Side:

RAM 1GB

Hard disk 20GB

Processor 2GHz

Software Requirement:

Client Side:

Web Browser Google Chrome or any compatible browser

Operating System Windows or any equivalent OS

Server Side:

Web Server Wampp

Server side Language PHP5.6 or above version

Database Server MYSQL

Web Browser Google Chrome or any compatible browser

Operating System Windows or any equivalent OS

WAMPP

The Apache HTTP Server Project is an effort to develop and maintain an open-source HTTP server for modern operating systems including UNIX and Windows. The goal of this project is to provide a secure, efficient and extensible server that provides HTTP services in sync with the current HTTP standards.

The Apache HTTP Server ("httpd") was launched in 1995 and it has been the most popular web server on the Internet since April 1996. It has celebrated its 20th birthday as a project in February 2015.

PHP

☐ PHP stands for PHP: Hypertext Preprocessor.
☐ PHP is a server-side scripting language, like ASP.
☐ PHP scripts are executed on the server.
□ PHP supports many databases (MYSQL, Informix, Oracle, Sybase, Solid, Generic ODBC etc.).
☐ PHP is an open source software.
□ PHP is free to download and use

MYSQL

- MYSQL is a database server
- MYSQL is ideal for both small and large applications
- MYSQL supports standard SQL
- MYSQL compiles on a number of platforms
- MYSQL is free to download and use
- How to access MySQL:
- http://localhost/phpmyadmin

Analysis and Design

Analysis:

Today also we have to go to the diagnostic center, wait in the queue to get our COVID19 test done. As Technology is growing rapidly we are also moving to a technical world where everything we want to be online. So with the help of this project we are bringing the use of technology in the field of medical diagnosis where patients can avail all the diagnosis facilities at their door steps. This project makes the diagnosis process easy and reduces the burden of patients. At a same time its help the diagnostic center to track all their patients details with their test reports.

Disadvantage of present system:

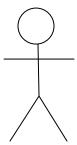
- **Not user friendly:** The present system not user friendly because data is not stored in structure and proper format.
- Manual Control: All report calculation is done manually so there is a chance of error.
- Lots of paper work: Visitors maintain in the register so lots of paper require storing details.
- Time consuming

Design Introduction:

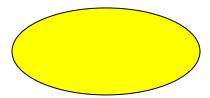
Design is the first step in the development phase for any techniques and principles for the purpose of defining a device, a process or system in sufficient detail to permit its physical realization. Once the software requirements have been analyzed and specified the software design involves three technical activities - design, coding, implementation and testing that are required to build and verify the software.

The design activities are of main importance in this phase, because in this activity, decisions ultimately affecting the success of the software implementation and its ease of maintenance are made. These decisions have the final bearing upon reliability and maintainability of the system. Design is the only way to accurately translate the customer's requirements into finished software or a system.

Design is the place where quality is fostered in development. Software design is a process through which requirements are translated into a representation of software. Software design is conducted in two steps.



Use case: A description of sequence of actions, including variants, that a system performs that yields an observable result of value of an actor.



UML stands for Unified Modeling Language. UML is a language for specifying, visualizing and documenting the system. This is the step while developing any product after analysis. The goal from this is to produce a model of the entities involved in the project which later need to be built. The representation of the entities that are to be used in the product being developed need to be designed.

USECASE DIAGRAMS:

Use case diagrams model behavior within a system and helps the developers understand of what the user require. The stick man represents what's called an actor.

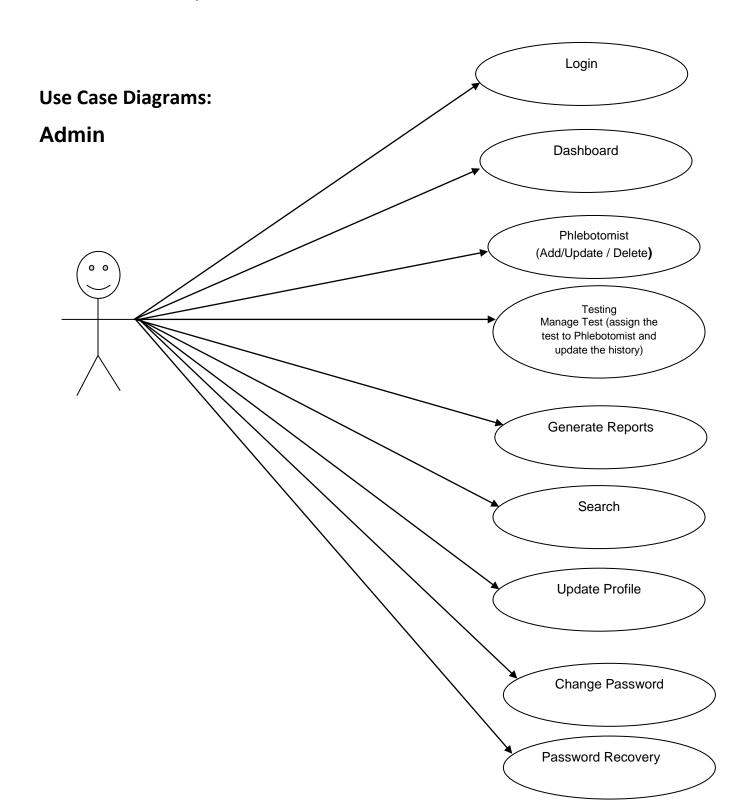
Use case diagram can be useful for getting an overall view of the system and clarifying that can do and more importantly what they can't do.

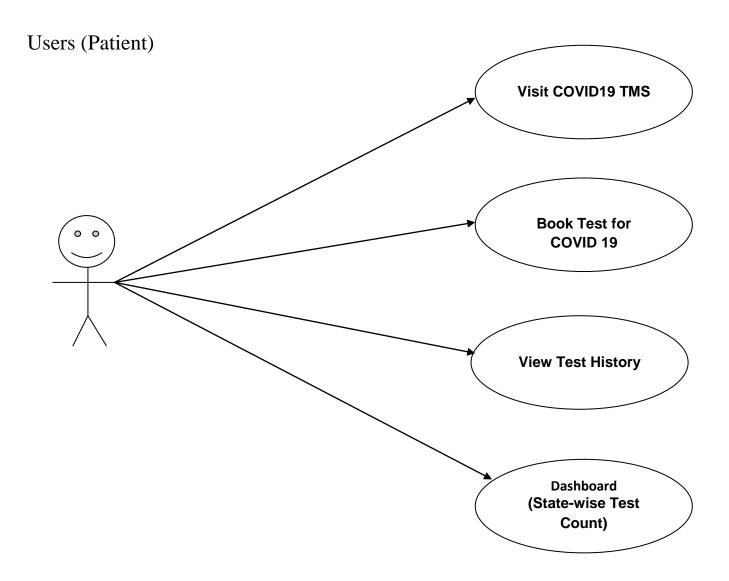
Use case diagram consists of use cases and actors and shows the interaction between the use case and actors.

- The purpose is to show the interactions between the use case and actor.
- To represent the system requirements from user's perspective.

• An actor could be the end-user of the system or an external system.

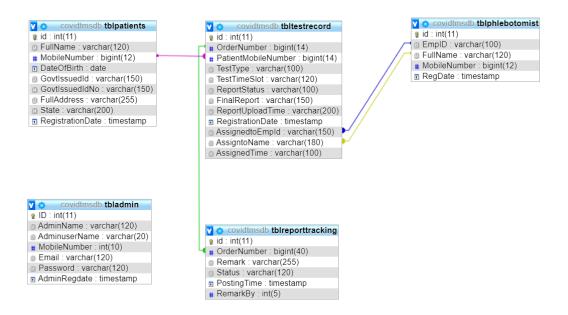
USECASE DIAGRAM: A Use case is a description of set of sequence of actions. Graphically it is rendered as an ellipse with solid line including only its name. Use case diagram is a behavioral diagram that shows a set of use cases and actors and their relationship. It is an association between the use cases and actors. An actor represents a real-world object. Primary Actor–Sender, Secondary Actor Receiver





Class Diagram:

A description of set of objects that share the same attributes operations, relationships, and semantics



ER Diagram:

The Entity-Relationship (ER) model was originally proposed by Peter in 1976 [Chen76] as a way to unify the network and relational database views. Simply stated the ER model is a conceptual data model that views the real world as entities and relationships. A basic component of the model is the Entity-Relationship diagram which is used to visually represent data objects. Since Chen wrote his paper the model has been extended and today it is commonly used for database design for the database designer, the utility of the ER model is:

- It maps well to the relational model. The constructs used in the ER model can easily be transformed into relational tables.
- It is simple and easy to understand with a minimum of training. Therefore, the model can be used by the database designer to communicate the design to the end user.
- In addition, the model can be used as a design plan by the database developer to implement a data model in specific database management software.

ER Notation

There is no standard for representing data objects in ER diagrams. Each modeling methodology uses its own notation. The original notation used by Chen is widely used in academics texts and journals but rarely seen in either CASE tools or publications by non-academics. Today,

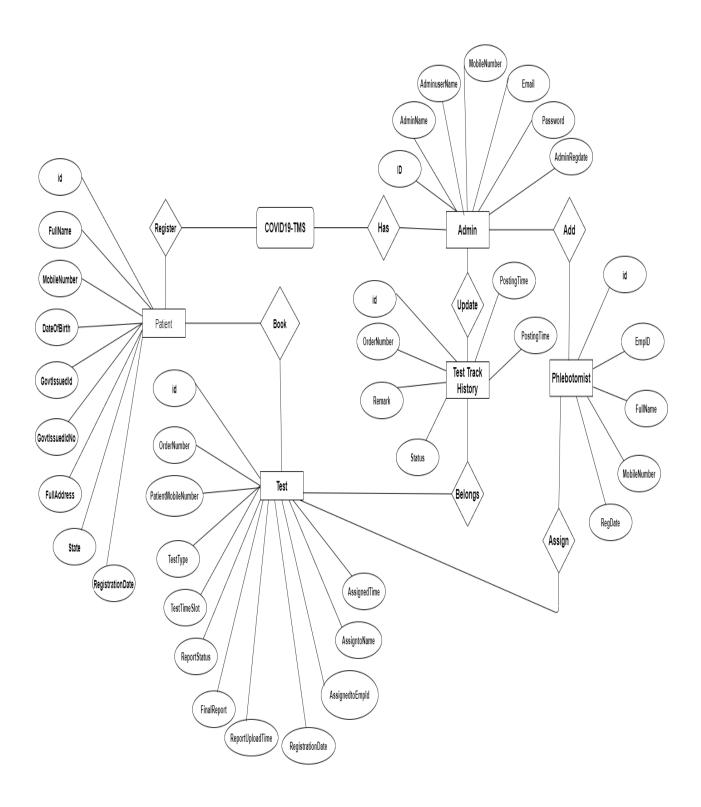
there are a number of notations used; among the more common are Bachman, crow's foot, and IDEFIX.

All notational styles represent entities as rectangular boxes and relationships as lines connecting boxes. Each style uses a special set of symbols to represent the cardinality of a connection. The notation used in this document is from Martin. The symbols used for the basic ER constructs are:

- **Entities** are represented by labeled rectangles. The label is the name of the entity. Entity names should be singular nouns.
- **Relationships** are represented by a solid line connecting two entities. The name of the relationship is written above the line. Relationship names should be verbs
- **Attributes**, when included, are listed inside the entity rectangle. Attributes which are identifiers are underlined. Attribute names should be singular nouns.
- Cardinality of many is represented by a line ending in a crow's foot. If the crow's foot is omitted, the cardinality is one.

Existence is represented by placing a circle or a perpendicular bar on the line. Mandatory existence is shown by the bar (looks like a 1) next to the entity for an instance is required. Optional existence is shown by placing a circle next to the entity that is optional.

ER Diagram

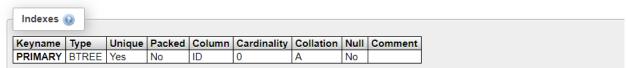


MySQL Data Tables

Admin Table:(Table name is tbladmin)

This store admin personal and login details

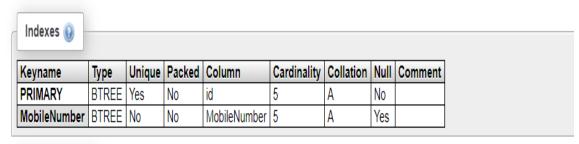
#	Name	Туре	Collation	Attributes	Null	Default	Comments	Extra
1	ID 🔑	int(11)			No	None		AUTO_INCREMENT
2	AdminName	varchar(120)	latin1_swedish_ci		Yes	NULL		
3	AdminuserName	varchar(20)	latin1_swedish_ci		No	None		
4	MobileNumber	int(10)			No	None		
5	Email	varchar(120)	latin1_swedish_ci		No	None		
6	Password	varchar(120)	latin1_swedish_ci		Yes	NULL		
7	AdminRegdate	timestamp			Yes	current_timestamp()		



tblpatients

This table store the data of patient personal Information

#	Name	Туре	Collation	Attributes	Null	Default	Comments	Extra
1	id 🔑	int(11)			No	None		AUTO_INCREMENT
2	FullName	varchar(120)	latin1_swedish_ci		Yes	NULL		
3	MobileNumber 🔎	bigint(12)			Yes	NULL		
4	DateOfBirth	date			Yes	NULL		
5	Govtlssuedld	varchar(150)	latin1_swedish_ci		Yes	NULL		
6	GovtlssuedldNo	varchar(150)	latin1_swedish_ci		Yes	NULL		
7	FullAddress	varchar(255)	latin1_swedish_ci		Yes	NULL		
8	State	varchar(200)	latin1_swedish_ci		Yes	NULL		
9	RegistrationDate	timestamp			No	current_timestamp()		



tbltestrecord

This table stores the patient test record details.

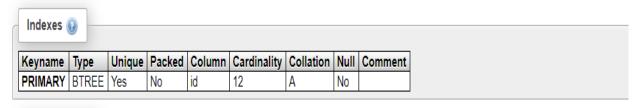
#	Name	Туре	Collation	Attributes	Null	Default	Comments	Extra
1	id 🔑	int(11)			No	None		AUTO_INCREMENT
2	OrderNumber	bigint(14)			Yes	NULL		
3	PatientMobileNumber	bigint(14)			Yes	NULL		
4	TestType	varchar(100)	latin1_swedish_ci		Yes	NULL		
5	TestTimeSlot	varchar(120)	latin1_swedish_ci		Yes	NULL		
6	ReportStatus	varchar(100)	latin1_swedish_ci		Yes	NULL		
7	FinalReport	varchar(150)	latin1_swedish_ci		Yes	NULL		
8	ReportUploadTime	varchar(200)	latin1_swedish_ci		Yes	NULL		
9	RegistrationDate	timestamp			Yes	current_timestamp()		
10	AssignedtoEmpld	varchar(150)	latin1_swedish_ci		Yes	NULL		
11	AssigntoName	varchar(180)	latin1_swedish_ci		Yes	NULL		
12	AssignedTime	varchar(100)	latin1_swedish_ci		Yes	NULL		

Indexes 🕢								
Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	id	6	Α	No	
OrderNumbe	BTREE	No	No	OrderNumber	6	Α	Yes	

tblreporttracking

This table stores the tracking details of tests.

#	Name	Туре	Collation	Attributes	Null	Default	Comments	Extra
1	id 🔑	int(11)			No	None		AUTO_INCREMENT
2	OrderNumber	bigint(40)			Yes	NULL		
3	Remark	varchar(255)	latin1_swedish_ci		Yes	NULL		
4	Status	varchar(120)	latin1_swedish_ci		Yes	NULL		
5	PostingTime	timestamp			Yes	current_timestamp()		
6	RemarkBy	int(5)			Yes	NULL		



tblphlebotomist

This table stores the phlebotomist information

#	Name	Туре	Collation	Attributes	Null	Default	Comments	Extra
1	id 🔑	int(11)			No	None		AUTO_INCREMENT
2	EmpID 🔊	varchar(100)	latin1_swedish_ci		Yes	NULL		
3	FullName 🔎	varchar(120)	latin1_swedish_ci		Yes	NULL		
4	MobileNumber	bigint(12)			Yes	NULL		
5	RegDate	timestamp			Yes	current_timestamp()		

Indexes 📦								
Keyname	Туре	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	id	3	Α	No	
EmpID	BTREE	No	No	EmpID	3	Α	Yes	
FullName	BTREE	No	No	FullName	3	Α	Yes	

Implementation and System Testing

After all phase have been perfectly done, the system will be implemented to the server and the system can be used.

System Testing

The goal of the system testing process was to determine all faults in our project. The program was subjected to a set of test inputs and many explanations were made and based on these explanations it will be decided whether the program behaves as expected or not. Our Project went through two levels of testing

- 1. Unit testing
- 2. Integration testing

UNIT TESTING

Unit testing is commenced when a unit has been created and effectively reviewed .In order to test a single module we need to provide a complete environment i.e. besides the section we would require;

The procedures belonging to other units that the unit under test calls

- Non local data structures that module accesses
- A procedure to call the functions of the unit under test with appropriate parameters
- 1. Test for the admin module
- Testing admin login form-This form is used for log in of administrator of the system. In this form we enter the username and password if both are correct administration page will open otherwise if any of data is wrong it will get redirected back to the login page and again ask the details.
- **Report Generation:** admin can generate report from the main database.

NTEGRATION TESTING

In the Integration testing we test various combination of the project module by providing the input.

The primary objective is to test the module interfaces in order to confirm that no errors are occurring when one module invokes the other module.

Coding Part:

Index.php

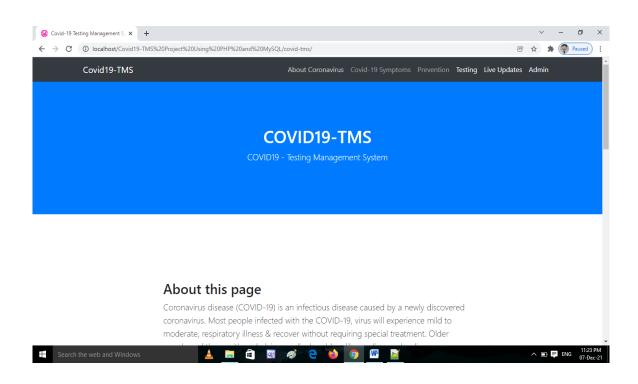
```
<!DOCTYPE html>
<html lang="en">
<head>
 <meta charset="utf-8">
 <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
 <meta name="description" content="">
 <meta name="author" content="">
 <title>Covid-19 Testing Management System</title>
 <!-- Bootstrap core CSS -->
 k href="vendor/bootstrap/css/bootstrap.min.css" rel="stylesheet">
 <!-- Custom styles for this template -->
 k href="css/scrolling-nav.css" rel="stylesheet">
</head>
<body id="page-top">
<!-- Navigation -->
 <nav class="navbar navbar-expand-lg navbar-dark bg-dark fixed-top" id="mainNav">
  <div class="container">
   <a class="navbar-brand js-scroll-trigger" href="#page-top">Covid19-TMS</a>
   <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarResponsive" aria-
controls="navbarResponsive" aria-expanded="false" aria-label="Toggle navigation">
    <span class="navbar-toggler-icon"></span>
   </button>
   <div class="collapse navbar-collapse" id="navbarResponsive">
    cli class="nav-item">
      <a class="nav-link js-scroll-trigger" href="#about">About Coronavirus </a>
```

```
class="nav-item">
      <a class="nav-link js-scroll-trigger" href="#services">Covid-19 Symptoms</a>
     class="nav-item">
      <a class="nav-link js-scroll-trigger" href="#contact">Prevention</a>
     cli class="nav-item active">
      <a class="nav-link js-scroll-trigger" href="new-user-testing.php">Testing</a>
     cli class="nav-item active">
      <a class="nav-link js-scroll-trigger" href="live-test-updates.php">Live Updates</a>
     class="nav-item active">
      <a class="nav-link js-scroll-trigger" href="login.php">Admin</a>
     </div>
  </div>
 </nav>
 <header class="bg-primary text-white">
  <div class="container text-center">
   <h1>COVID19-TMS</h1>
   COVID19 - Testing Management System
  </div>
 </header>
 <section id="about">
  <div class="container">
   <div class="row">
    <div class="col-lg-8 mx-auto">
     <h2>About this page</h2>
     Coronavirus disease (COVID-19) is an infectious disease caused by a newly discovered
coronavirus. Most people infected with the COVID-19, virus will experience mild to moderate, respiratory illness &
recover without requiring special treatment. Older people and those with underlying medical problem like
cardiovascular disease.
```

The COVID-19 virus spread primarily through droplet of saliva or discharge from the nose when an infected person coughs or sneezes so it's important that you also practice respiratory etiquette.

```
</div>
   </div>
  </div>
 </section>
 <section id="services" class="bg-light">
  <div class="container">
   <div class="row">
    <div class="col-lg-8 mx-auto">
     <h2>Covid-19 Symptoms</h2>
     <hr />
<strong>Hight Fever 2-14 days!</strong><br/>
Reported illnesses have ranged from mild symptoms to severe illness and death
       <hr />
<strong>Dry Cough 2-14 days!</strong><br/>
Reported illnesses have ranged from mild symptoms to severe illness and death
     <hr />
<strong>Shortness of breath!</strong><br/>
Reported illnesses have ranged from mild symptoms to severe illness and death
    </div>
   </div>
  </div>
 </section>
 <section id="contact">
  <div class="container">
   <div class="row">
    <div class="col-lg-8 mx-auto">
     <h2>Prevention</h2>
 Wash your Hands often
      Wear A Face mask
      Avoid contact with sick people
      Always cover your cough or sneeze
     </div>
   </div>
```

```
</div>
 </section>
 <!-- Footer -->
 <footer class="py-5 bg-dark">
  <div class="container">
   Created by: Ashtbhuj
  </div>
  <!-- /.container -->
 </footer>
 <!-- Bootstrap core JavaScript -->
 <script src="vendor/jquery/jquery.min.js"></script>
 <script src="vendor/bootstrap/js/bootstrap.bundle.min.js"></script>
<!-- Plugin JavaScript -->
 <script src="vendor/jquery-easing/jquery.easing.min.js"></script>
 <!-- Custom JavaScript for this theme -->
 <script src="js/scrolling-nav.js"></script>
</body>
</html>
```



Dashboard.php

```
<?php
session_start();
include_once('includes/config.php');
if (strlen($_SESSION['aid']==0)) {
header('location:logout.php');
 } else{
?>
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="utf-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
  <meta name="description" content="">
  <meta name="author" content="">
  <title>Covid-Tms | Dashboard</title>
  <!-- Custom fonts for this template-->
  k href="vendor/fontawesome-free/css/all.min.css" rel="stylesheet" type="text/css">
  link
href="https://fonts.googleapis.com/css?family=Nunito:200,200i,300,300i,400,400i,600,600i,700,700i,800,800i,900,
900i"
    rel="stylesheet">
  <!-- Custom styles for this template-->
  k href="css/sb-admin-2.min.css" rel="stylesheet">
</head>
<body id="page-top">
  <!-- Page Wrapper -->
  <div id="wrapper">
```

```
<!-- Sidebar -->
    <?php include_once('includes/sidebar.php');?>
    <!-- End of Sidebar -->
    <!-- Content Wrapper -->
    <div id="content-wrapper" class="d-flex flex-column">
       <!-- Main Content -->
       <div id="content">
         <!-- Topbar -->
<?php include_once('includes/topbar.php');?>
         <!-- End of Topbar -->
         <!-- Begin Page Content -->
         <div class="container-fluid">
            <!-- Page Heading -->
            <div class="d-sm-flex align-items-center justify-content-between mb-4">
              <h1 class="h3 mb-0 text-gray-800">Dashboard</h1>
              <a href="bwdates-report-ds.php" class="d-none d-sm-inline-block btn btn-sm btn-primary shadow-
sm"><i
                   class="fas fa-download fa-sm text-white-50"></i> Generate Report</a>
            </div>
            <!-- Content Row -->
            <div class="row">
<?php
//Total tests
$query=mysqli_query($con,"select id from tbltestrecord");
$totaltest=mysqli_num_rows($query);
//Assigned tests
$query1=mysqli_query($con,"select id from tbltestrecord where ReportStatus='Assigned'');
$totalassigned=mysqli_num_rows($query1);
//On the way for sample collection
$query2=mysqli_query($con,"select id from tbltestrecord where ReportStatus='On the Way for Collection'");
$totalontheway=mysqli_num_rows($query2);
//Sample Collected
```

```
$query3=mysqli_query($con,"select id from tbltestrecord where ReportStatus='Sample Collected'");
$totalsamplecollected=mysqli_num_rows($query3);
//Sent for lab
$query4=mysqli_query($con,"select id from tbltestrecord where ReportStatus='Sent to Lab'");
$totalsenttolab=mysqli_num_rows($query4);
//Report Delivered
$query5=mysqli_query($con,"select id from tbltestrecord where ReportStatus='Delivered'");
$totaldelivered=mysqli_num_rows($query5);
//Totall Registered Patients
$query6=mysqli_query($con,"select id from tblpatients");
$totalpatients=mysqli_num_rows($query6);
//Totall Registered Phlebotomist
$query7=mysqli_query($con,"select id from tblphlebotomist");
$totalphlebotomist=mysqli_num_rows($query7);
?>
              <!-- Total Tests-->
              <div class="col-xl-3 col-md-6 mb-4">
                <div class="card border-left-primary shadow h-100 py-2">
                   <a href="all-test.php">
                   <div class="card-body">
                     <div class="row no-gutters align-items-center">
                       <div class="col mr-2">
                          <div class="text-xs font-weight-bold text-primary text-uppercase mb-1">
                           Total Tests</div>
                          <div class="h5 mb-0 font-weight-bold text-gray-800"><?php echo $totaltest;?></div>
                       </div>
                       <div class="col-auto">
                          <i class="fas fa-virus fa-2x text-gray-300"></i>
                       </div>
                     </div>
                   </div>
                 </a>
                </div>
```

```
</div>
              <!-- Assigned test-->
              <div class="col-xl-3 col-md-6 mb-4">
                 <div class="card border-left-success shadow h-100 py-2">
                   <a href="assigned-test.php">
                   <div class="card-body">
                      <div class="row no-gutters align-items-center">
                        <div class="col mr-2">
                           <div class="text-xs font-weight-bold text-success text-uppercase mb-1">
                           Total Assigned</div>
                           <div class="h5 mb-0 font-weight-bold text-gray-800"><?php echo</pre>
$totalassigned;?></div>
                        </div>
                        <div class="col-auto">
                           <i class="fas fa-user fa-2x text-gray-300"></i>
                        </div>
                      </div>
                   </div>
                 </a>
                 </div>
              </div>
              <!-- On the way for sample collection-->
              <div class="col-xl-3 col-md-6 mb-4">
                 <div class="card border-left-info shadow h-100 py-2">
                   <a href="ontheway-samplecollection-test.php">
                   <div class="card-body">
                      <div class="row no-gutters align-items-center">
                        <div class="col mr-2">
                           <div class="text-xs font-weight-bold text-info text-uppercase mb-1"> On the way for
sample collection
                           </div>
                           <div class="row no-gutters align-items-center">
                             <div class="col-auto">
                               <div class="h5 mb-0 mr-3 font-weight-bold text-gray-800"><?php echo</pre>
```

\$totalontheway;?></div>

</div>

<div class="col">

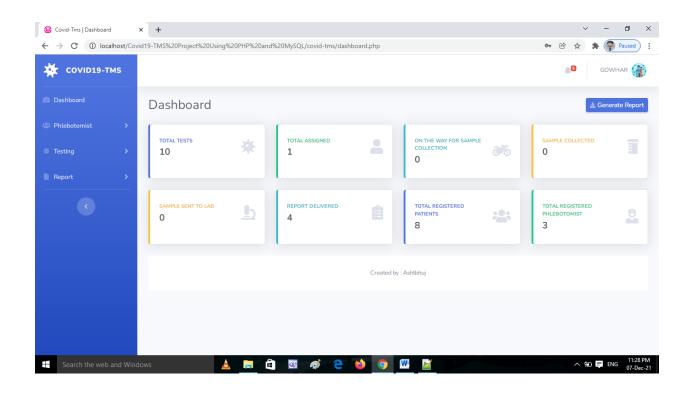
```
</div>
                          </div>
                        </div>
                        <div class="col-auto">
                          <i class="fas fa-motorcycle fa-2x text-gray-300"></i>
                        </div>
                     </div>
                   </div>
                 </a>
                </div>
              </div>
              <!-- Sample Collected -->
              <div class="col-xl-3 col-md-6 mb-4">
                <div class="card border-left-warning shadow h-100 py-2">
                   <a href="sample-collected-test.php">
                   <div class="card-body">
                     <div class="row no-gutters align-items-center">
                        <div class="col mr-2">
                          <div class="text-xs font-weight-bold text-warning text-uppercase mb-1">
                            Sample Collected</div>
                          <div class="h5 mb-0 font-weight-bold text-gray-800"><?php echo</pre>
$totalsamplecollected;?></div>
                        </div>
                        <div class="col-auto">
                          <i class="fas fa-prescription-bottle fa-2x text-gray-300"></i>
                        </div>
                     </div>
                   </div>
                   </a>
                 </div>
              </div>
<!-- Sent to Lab -->
              <div class="col-xl-3 col-md-6 mb-4">
                <div class="card border-left-warning shadow h-100 py-2">
                   <a href="samplesent-lab-test.php">
                   <div class="card-body">
                     <div class="row no-gutters align-items-center">
                        <div class="col mr-2">
```

```
<div class="text-xs font-weight-bold text-warning text-uppercase mb-1">
                           Sample Sent to Lab</div>
                           <div class="h5 mb-0 font-weight-bold text-gray-800"><?php echo</pre>
$totalsenttolab;?></div>
                        </div>
                        <div class="col-auto">
                           <i class="fas fa-microscope fa-2x text-gray-300"></i>
                        </div>
                      </div>
                   </div>
                   </a>
                 </div>
              </div>
  <!-- Report Delivered-->
              <div class="col-xl-3 col-md-6 mb-4">
                 <div class="card border-left-info shadow h-100 py-2">
                   <a href="reportdelivered-test.php">
                   <div class="card-body">
                      <div class="row no-gutters align-items-center">
                        <div class="col mr-2">
                           <div class="text-xs font-weight-bold text-info text-uppercase mb-1">Report Delivered
                           </div>
                           <div class="row no-gutters align-items-center">
                             <div class="col-auto">
                                <div class="h5 mb-0 mr-3 font-weight-bold text-gray-800"><?php echo</pre>
$totaldelivered;?></div>
                             </div>
                             <div class="col">
                             </div>
                           </div>
                        </div>
                        <div class="col-auto">
                           <i class="fas fa-clipboard-list fa-2x text-gray-300"></i>
                        </div>
                      </div>
                   </div>
                 </a>
                 </div>
              </div>
```

```
<!-- Total Registered Patients-->
              <div class="col-xl-3 col-md-6 mb-4">
                 <div class="card border-left-primary shadow h-100 py-2">
                   <div class="card-body">
                      <div class="row no-gutters align-items-center">
                        <div class="col mr-2">
                          <div class="text-xs font-weight-bold text-primary text-uppercase mb-1">
                           Total Registered Patients</div>
                          <div class="h5 mb-0 font-weight-bold text-gray-800"><?php echo</pre>
$totalpatients;?></div>
                        </div>
                        <div class="col-auto">
                          <i class="fas fa-users fa-2x text-gray-300"></i>
                        </div>
                      </div>
                   </div>
                 </div>
              </div>
       <!-- Total Registered Phlebotomist-->
              <div class="col-xl-3 col-md-6 mb-4">
                 <div class="card border-left-success shadow h-100 py-2">
                       <a href="manage-phlebotomist.php">
                   <div class="card-body">
                      <div class="row no-gutters align-items-center">
                        <div class="col mr-2">
                          <div class="text-xs font-weight-bold text-success text-uppercase mb-1">
                           Total Registered Phlebotomist</div>
                          <div class="h5 mb-0 font-weight-bold text-gray-800"><?php echo</pre>
$totalphlebotomist;?></div>
                        </div>
                        <div class="col-auto">
                          <i class="fas fa-user-nurse fa-2x text-gray-300"></i>
```

```
</div>
                   </div>
                 </div>
                 </a>
              </div>
            </div>
          </div>
          <!-- Content Row -->
     <!-- Footer -->
  <?php include_once('includes/footer.php');?>
     <!-- End of Footer -->
  </div>
  <!-- End of Content Wrapper -->
</div>
<!-- End of Page Wrapper -->
<!-- Scroll to Top Button-->
    <?php include_once('includes/footer2.php');?>
<!-- Bootstrap core JavaScript-->
<script src="vendor/jquery/jquery.min.js"></script>
<script src="vendor/bootstrap/js/bootstrap.bundle.min.js"></script>
<!-- Core plugin JavaScript-->
<script src="vendor/jquery-easing/jquery.easing.min.js"></script>
<!-- Custom scripts for all pages-->
<script src="js/sb-admin-2.min.js"></script>
<!-- Page level plugins -->
<script src="vendor/chart.js/Chart.min.js"></script>
```

```
<!-- Page level custom scripts -->
  <script src="js/demo/chart-area-demo.js"></script>
  <script src="js/demo/chart-pie-demo.js"></script>
  </body>
  </html>
  <?php } ?>
```

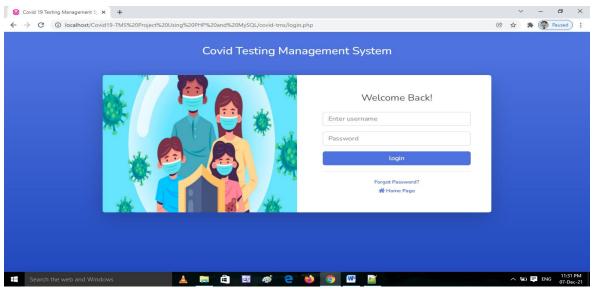


Login.php

```
if(\text{sret}>0){
   $_SESSION['aid']=$ret['ID'];
  header('location:dashboard.php');
  }
  else{
  echo "<script>alert('Invalid Details.');</script>";
  }
 }
 ?>
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="utf-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
  <meta name="description" content="">
  <meta name="author" content="">
  <title>Covid 19 Testing Management System | Admin Login</title>
  <!-- Custom fonts for this template-->
  <link href="vendor/fontawesome-free/css/all.min.css" rel="stylesheet" type="text/css">
  link
href="https://fonts.googleapis.com/css?family=Nunito:200,200i,300,300i,400,400i,600,600i,700,700i,800,800i,900,
900i"
    rel="stylesheet">
  <!-- Custom styles for this template-->
  k href="css/sb-admin-2.min.css" rel="stylesheet">
</head>
<body class="bg-gradient-primary">
  <div class="container">
```

```
<!-- Outer Row -->
    <div class="row justify-content-center">
       <div class="col-xl-10 col-lg-12 col-md-9">
<h3 align="center" style="margin-top:4%;color:#fff">Covid Testing Management System</h3>
         <div class="card o-hidden border-0 shadow-lg my-5">
            <div class="card-body p-0">
              <!-- Nested Row within Card Body -->
<form name="login" method="post">
              <div class="row">
                <div class="col-lg-6 d-none d-lg-block bg-login-image"></div>
                <div class="col-lg-6">
                  <div class="p-5">
                     <div class="text-center">
                       <h1 class="h4 text-gray-900 mb-4">Welcome Back!</h1>
                     </div>
                     <form class="user">
                       <div class="form-group">
                          <input type="text" class="form-control" name="username"</pre>
                            id="username" placeholder="Enter username" required="true">
                       </div>
                       <div class="form-group">
                          <input type="password" class="form-control" name="inputpwd"</pre>
                            id="inputpwd" placeholder="Password">
                       </div>
              <input type="submit" name="login" class="btn btn-primary btn-user btn-block" value="login">
                     </form>
                     <hr>>
                     <div class="text-center">
                       <a class="small" href="password-recovery.php" style="font-weight:bold">Forgot
Password?</a>
                     </div>
                        <div class="text-center">
                       <a class="small" href="index.php" style="font-weight:bold;"><i class="fa fa-home" aria-
hidden="true"></i> Home Page</a>
                     </div>
```

```
</div>
                 </div>
              </div>
</form>
            </div>
          </div>
       </div>
     </div>
  </div>
  <!-- Bootstrap core JavaScript-->
  <script src="vendor/jquery/jquery.min.js"></script>
  <script src="vendor/bootstrap/js/bootstrap.bundle.min.js"></script>
  <!-- Core plugin JavaScript-->
  <script src="vendor/jquery-easing/jquery.easing.min.js"></script>
  <!-- Custom scripts for all pages-->
  <script src="js/sb-admin-2.min.js"></script>
</body>
```



All-test.php

```
<?php session_start();
//DB conncetion
include_once('includes/config.php');
//error_reporting(0);
//validating Session
if (strlen($_SESSION['aid']==0)) {
header('location:logout.php');
 } else{
?>
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="utf-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
  <meta name="description" content="">
  <meta name="author" content="">
  <title>Covid-Tms | All Tests</title>
  <!-- Custom fonts for this template -->
  <link href="vendor/fontawesome-free/css/all.min.css" rel="stylesheet" type="text/css">
  link
href="https://fonts.googleapis.com/css?family=Nunito:200,200i,300,300i,400,400i,600,600i,700,700i,800,800i,900,
900i"
    rel="stylesheet">
  <!-- Custom styles for this template -->
  k href="css/sb-admin-2.min.css" rel="stylesheet">
  <!-- Custom styles for this page -->
  <link href="vendor/datatables/dataTables.bootstrap4.min.css" rel="stylesheet">
```

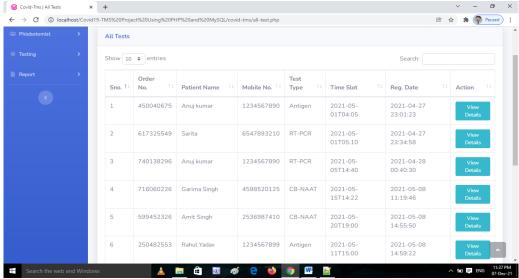
```
</head>
<body id="page-top">
  <!-- Page Wrapper -->
  <div id="wrapper">
    <!-- Sidebar -->
 <?php include_once('includes/sidebar.php');?>
    <!-- End of Sidebar -->
    <!-- Content Wrapper -->
    <div id="content-wrapper" class="d-flex flex-column">
      <!-- Main Content -->
      <div id="content">
        <!-- Topbar -->
<?php include_once('includes/topbar.php');?>
        <!-- End of Topbar -->
        <!-- Begin Page Content -->
        <div class="container-fluid">
          <!-- Page Heading -->
          <h1 class="h3 mb-2 text-gray-800">All Tests</h1>
          <!-- DataTales Example -->
          <div class="card shadow mb-4">
            <div class="card-header py-3">
               <h6 class="m-0 font-weight-bold text-primary">All Tests</h6>
             </div>
            <div class="card-body">
               <div class="table-responsive">
                 <form name="assignto" method="post">
          <thead>
                     <th>>Sno.</th>
```

```
Patient Name
                                                                       Mobile No.
                                                                       Test Type
                                                                       Time Slot
                                                                       Reg. Date
                                                                       Action
                                                                </thead>
                                                             <tfoot>
                                                                       <th>>Sno.</th>
                                                                       Order No.
                                                                       Patient Name
                                                                       Mobile No.
                                                                       Test Type
                                                                       Time Slot
                                                                       Reg. Date
                                                                       Action
                                                                 </tfoot>
                                                          <?php $query=mysqli_query($con,"select</pre>
tblt estrecord. Order Number, tblpatients. Full Name, tblpatients. Mobile Number, tblt estrecord. Test Type, tblt estrecord. Te
tTimeSlot,tbltestrecord.RegistrationDate,tbltestrecord.id as testid from tbltestrecord
join tblpatients on tblpatients.MobileNumber=tbltestrecord.PatientMobileNumber
      ");
$cnt=1;
while($row=mysqli_fetch_array($query)){
                                                                <?php echo $cnt;?>
                                                                       <?php echo $row['OrderNumber'];?>
                                                                       <?php echo $row['FullName'];?>
                                                                       <?php echo $row['MobileNumber'];?>
                                                                       <?php echo $row['TestType'];?>
                                                                       <?php echo $row['TestTimeSlot'];?>
                                                                         <?php echo $row['RegistrationDate'];?>
                                                                       >
```

Order No.

?>

```
<?php $cnt++;} ?>
                     </form>
                </div>
              </div>
           </div>
         </div>
         <!-- /.container-fluid -->
       </div>
       <!-- End of Main Content -->
       <!-- Footer -->
  <?php include_once('includes/footer.php');?>
       <!-- End of Footer -->
    </div>
    <!-- End of Content Wrapper -->
  </div>
  <!-- End of Page Wrapper -->
  <!-- Scroll to Top Button-->
  <?php include_once('includes/footer2.php');?>
  <!-- Bootstrap core JavaScript-->
  <script src="vendor/jquery/jquery.min.js"></script>
  <script src="vendor/bootstrap/js/bootstrap.bundle.min.js"></script>
  <!-- Core plugin JavaScript-->
  <script src="vendor/jquery-easing/jquery.easing.min.js"></script>
```



Manage-phlebotomist.php

```
<?php session_start();
//DB conncetion
include_once('includes/config.php');
error_reporting(0);
//validating Session
if (strlen($_SESSION['aid']==0)) {
  header('location:logout.php');
  } else{

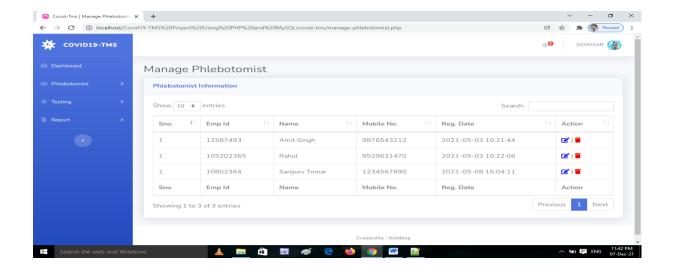
//Code for record deletion
if($_GET['action']=='delete'){
  $pid=intval($_GET['pid']);
}</pre>
```

```
$query=mysqli_query($con, "delete from tblphlebotomist where id='$pid'");
echo '<script>alert("Record deleted")</script>';
echo "<script>window.location.href='manage-phlebotomist.php'</script>";
}
?>
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="utf-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
  <meta name="description" content="">
  <meta name="author" content="">
  <title>Covid-Tms | Manage Phlebotomist</title>
  <!-- Custom fonts for this template -->
  <link href="vendor/fontawesome-free/css/all.min.css" rel="stylesheet" type="text/css">
  link
href="https://fonts.googleapis.com/css?family=Nunito:200,200i,300,300i,400,400i,600,600i,700,700i,800,800i,900,
900i"
    rel="stylesheet">
  <!-- Custom styles for this template -->
  <link href="css/sb-admin-2.min.css" rel="stylesheet">
  <!-- Custom styles for this page -->
  <link href="vendor/datatables/dataTables.bootstrap4.min.css" rel="stylesheet">
</head>
<body id="page-top">
  <!-- Page Wrapper -->
  <div id="wrapper">
    <!-- Sidebar -->
```

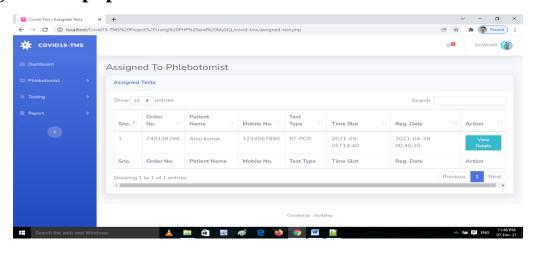
```
<?php include_once('includes/sidebar.php');?>
    <!-- End of Sidebar -->
    <!-- Content Wrapper -->
    <div id="content-wrapper" class="d-flex flex-column">
      <!-- Main Content -->
      <div id="content">
       <!-- Topbar -->
<?php include_once('includes/topbar.php');?>
       <!-- End of Topbar -->
        <!-- Begin Page Content -->
        <div class="container-fluid">
          <!-- Page Heading -->
          <h1 class="h3 mb-2 text-gray-800">Manage Phlebotomist</h1>
          <!-- DataTales Example -->
          <div class="card shadow mb-4">
            <div class="card-header py-3">
             <h6 class="m-0 font-weight-bold text-primary">Phlebotomist Information</h6>
            </div>
            <div class="card-body">
             <div class="table-responsive">
                <thead>
                   <th>>Sno.</th>
                     Emp Id
                     Name
                     Mobile No.
                     Reg. Date
                     Action
                   </thead>
                  <tfoot>
```

```
<th>>Sno.</th>
                      Emp Id
                      Name
                      Mobile No.
                      Reg. Date
                      Action
                    </tfoot>
                  <?php $query=mysqli_query($con,"select * from tblphlebotomist");</pre>
$cnt=1;
while($row=mysqli_fetch_array($query)){
?>
                    <?php echo $cnt;?>
                      <?php echo $row['EmpID'];?>
                      <?php echo $row['FullName'];?>
                      <?php echo $row['MobileNumber'];?>
                      <?php echo $row['RegDate'];?>
                      <a href="edit-phlebotomist.php?pid=<?php echo $row['id'];?>"><i class="fas fa-edit"
style="color:blue"></i></a> |
               <a href="manage-phlebotomist.php?pid=<?php echo $row['id'];?>&&action=delete"
onclick="return confirm('Do you really want to delete this record?');"><i class="fa fa-trash" aria-hidden="true"
style="color:red" title="Delete this record"></i></a>
                    <?php } ?>
                  </div>
            </div>
          </div>
        </div>
       <!--/.container-fluid -->
      </div>
```

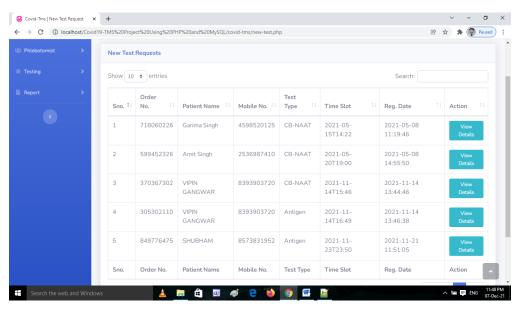
```
<!-- End of Main Content -->
       <!-- Footer -->
  <?php include_once('includes/footer.php');?>
       <!-- End of Footer -->
     </div>
     <!-- End of Content Wrapper -->
  </div>
  <!-- End of Page Wrapper -->
  <!-- Scroll to Top Button-->
  <?php include_once('includes/footer2.php');?>
  <!-- Bootstrap core JavaScript-->
  <script src="vendor/jquery/jquery.min.js"></script>
  <script src="vendor/bootstrap/js/bootstrap.bundle.min.js"></script>
  <!-- Core plugin JavaScript-->
  <script src="vendor/jquery-easing/jquery.easing.min.js"></script>
  <!-- Custom scripts for all pages-->
  <script src="js/sb-admin-2.min.js"></script>
  <!-- Page level plugins -->
  <script src="vendor/datatables/jquery.dataTables.min.js"></script>
  <script src="vendor/datatables/dataTables.bootstrap4.min.js"></script>
  <!-- Page level custom scripts -->
  <script src="js/demo/datatables-demo.js"></script>
</body>
</html>
<?php } ?>
```



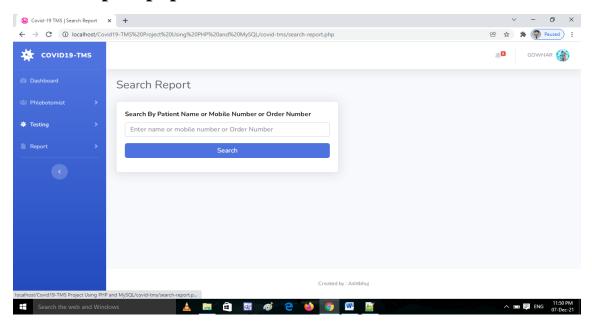
Some other Screenshots of Covid-19 Testing Management System Assigned-test.php



New-test.php



Search-report.php



Sample-collected.php

