

Project Report

On

COVID19 Testing Management System

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Acknowledgement

I would like to express my deepest appreciation to all those who provided me the possibility to complete this project. A special gratitude I give to our final year project manager, [Ms/Mr/Dr Surname], whose contribution in stimulating suggestions and encouragement, helped me to coordinate my project.

Furthermore I would also like to acknowledge with much appreciation the crucial role of the staff, who gave the permission to use all required equipment and the necessary materials to complete project. Last but not least, many thanks go to the head of the project, [Ms/Mr/Dr Surname] whose have invested his full effort in guiding the team in achieving the goal. I have to appreciate the guidance given by other supervisor as well as the panels especially in our project presentation that has improved our presentation skills thanks to their comment and advices.

Abstract

Nowadays, **COVID19 Testing 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 download 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.
- **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 Testing 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.
- 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	1 GB
Hard disk	20 GB
Processor	2.0 GHz

Software Requirement:

Client Side:

Web Browser	Google Chrome or any compatible browser
Operating System	Windows or any equivalent OS

Server Side:

Web Server	APACHE
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

APACHE

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.

Preliminary design is concerned with the transformation of requirements into data

UML Diagrams:

Actor:

A coherent set of roles that users of use cases play when interacting with the use `cases.



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.

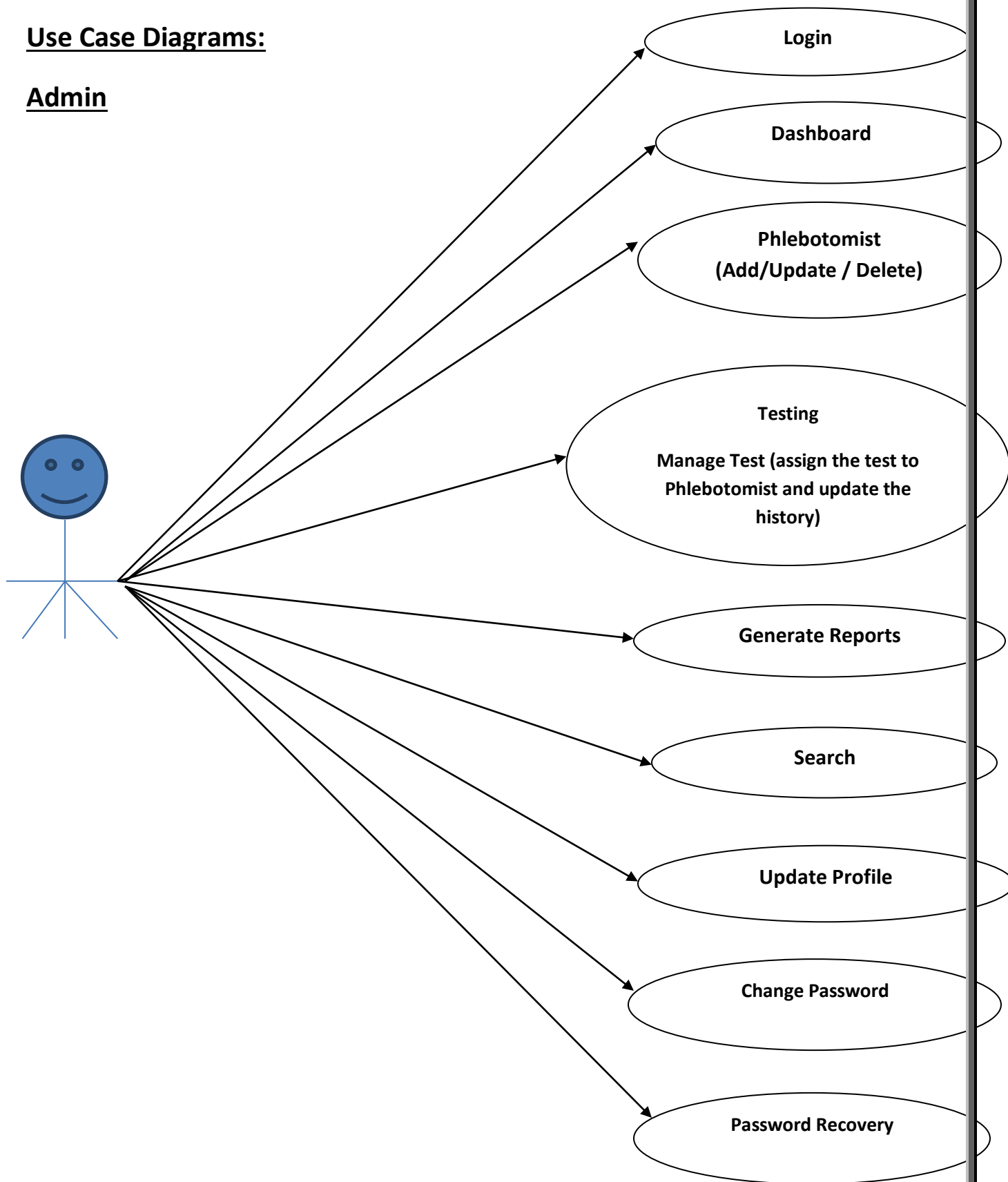
Use case diagram consists of use cases and actors and shows the interaction between the use case and actors.

- 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.

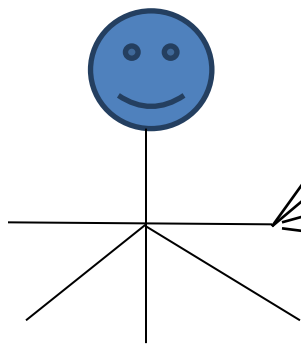
USECASE DIAGRAM: A Use case is a description of set of sequence of actions. Graphically it is rendered as an ellipse with solid line including only its name. Use case diagram is a behavioral diagram that shows a set of use cases and actors and their relationship. It is an association between the use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

Use Case Diagrams:

Admin



Users (Patient)

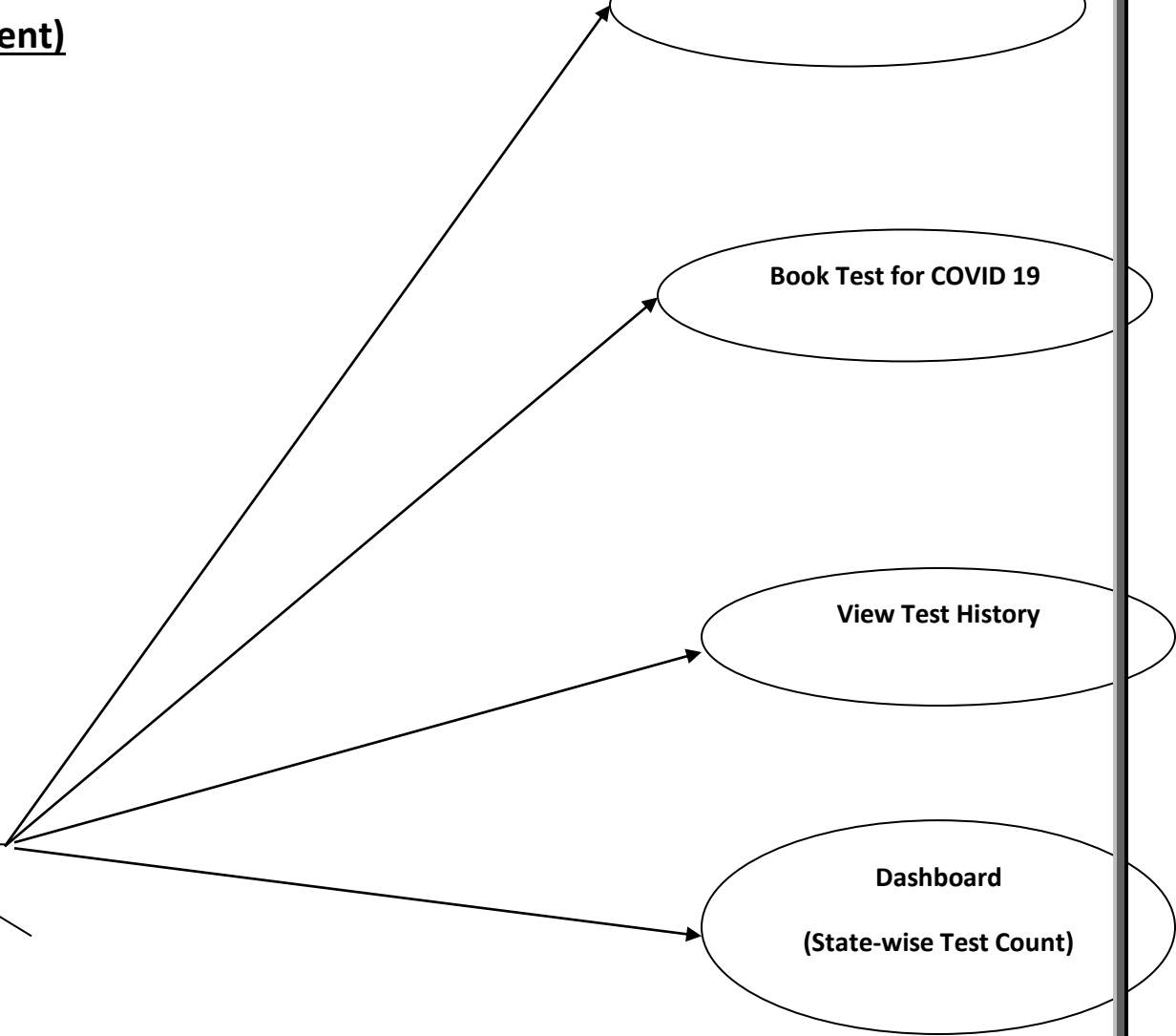


Visit COVID19 TMS

Book Test for COVID 19

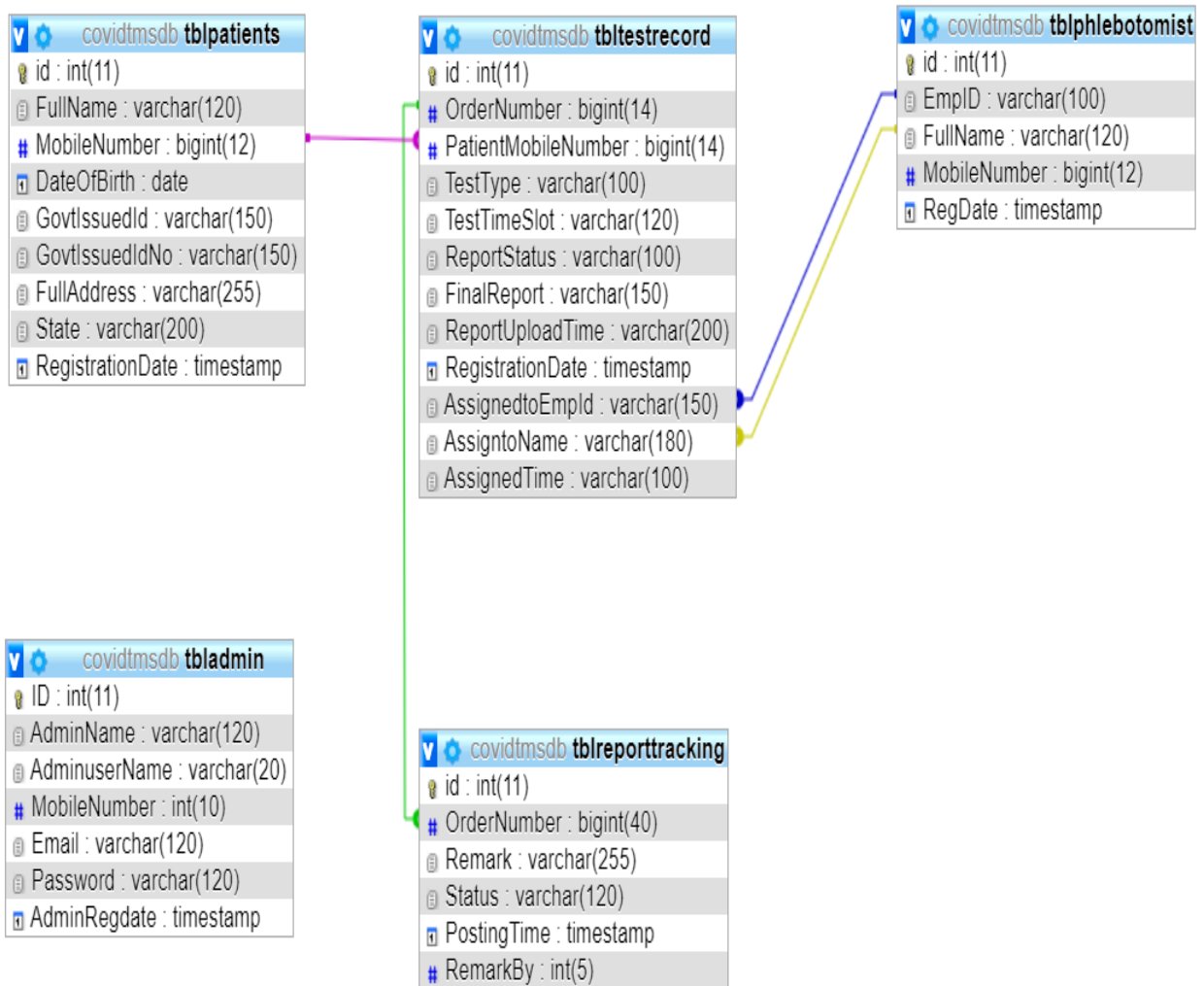
View Test History

**Dashboard
(State-wise Test Count)**



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,

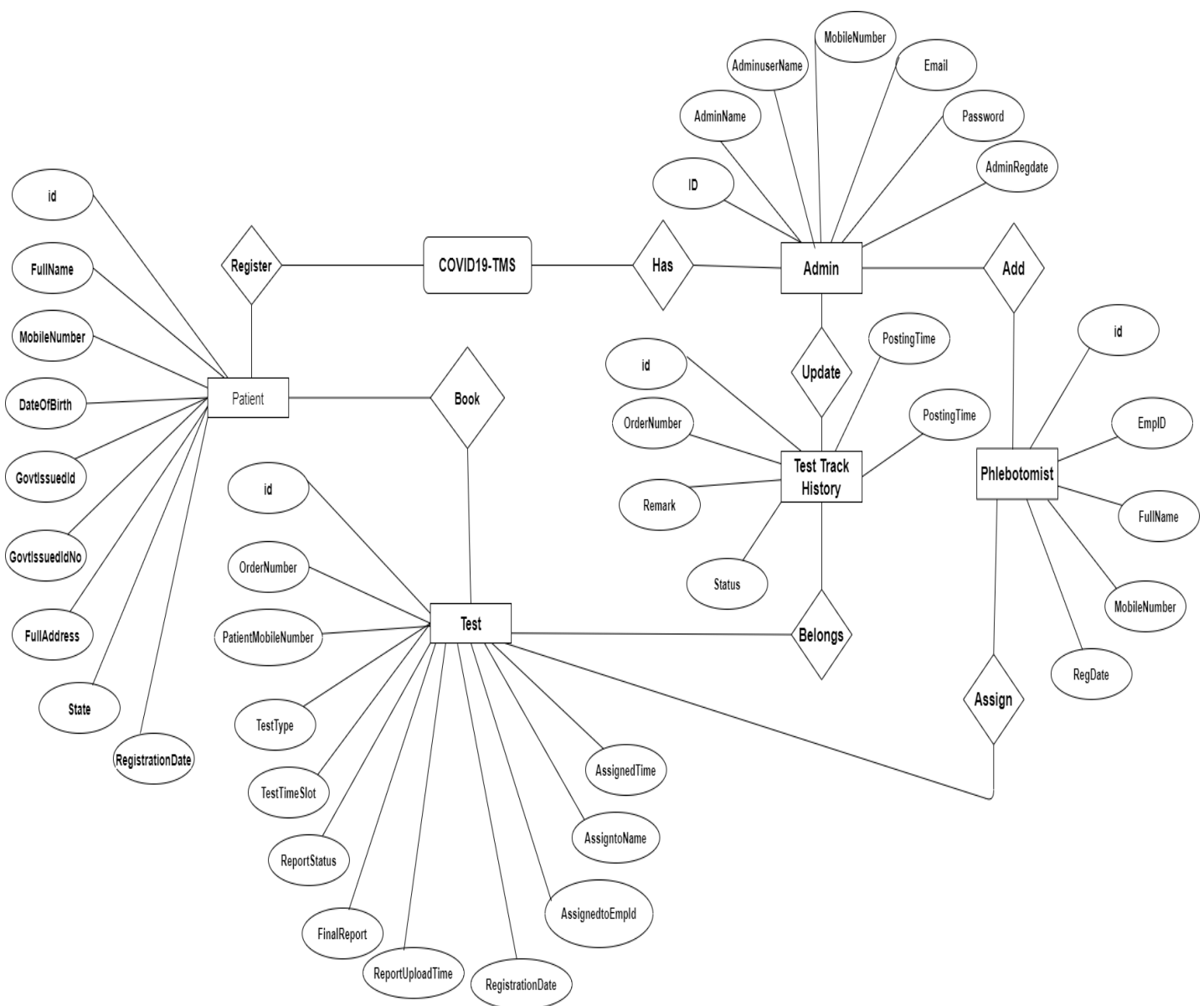
there are a number of notations used; among the more common are Bachman, crow's foot, and IDEFIX.

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	Type	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()		

Indexes ⓘ

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	ID	0	A	No	

tblpatients

This table store the data of patient personal Information.

#	Name	Type	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	GovtIssuedId	varchar(150)	latin1_swedish_ci		Yes	NULL		
6	GovtIssuedIdNo	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()		

Indexes ⓘ

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	id	5	A	No	
MobileNumber	BTREE	No	No	MobileNumber	5	A	Yes	

tbltestrecord

This table stores the patient test record details.

#	Name	Type	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	A	No	
OrderNumber	BTREE	No	No	OrderNumber	6	A	Yes	

tblreporttracking

This table stores the tracking details of tests.

#	Name	Type	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		

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	id	12	A	No	

tblphlebotomist

This table stores the phlebotomist information.

#	Name	Type	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	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	id	3	A	No	
EmpID	BTREE	No	No	EmpID	3	A	Yes	
FullName	BTREE	No	No	FullName	3	A	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.

INTEGRATION 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.

Evaluation

Project URL: <http://localhost/odlms>

Home Page



About this page

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.

Covid-19 Symptoms

High Fever 2-14 days!

Reported illnesses have ranged from mild symptoms to severe illness and death

Dry Cough 2-14 days!

Reported illnesses have ranged from mild symptoms to severe illness and death


Shortness of breath!

Reported illnesses have ranged from mild symptoms to severe illness and death

Prevention

- Wash your Hands often
- Wear A Face mask
- Avoid contact with sick people
- Always cover your cough or sneeze

New User (Patient) Test Booking

 COVID19-TMS

Dashboard

COVID19 TESTING

Testing >

Test Report

Admin

<

Covid19-Testing

Personal Information

Full Name

Enter your full name...

Mobile Number

Please enter your mobile number

DOB

dd-mm-yyyy

Any Govt Issued ID

Pancard / Driving License / Voter id / any other

Govt Issued ID Number

Enter Goevernment Issued ID Number

Address

Enter your full addres here

State

Enter your State Here

Testing Information

Test Type

Select

Time Slot for Test

dd-mm-yyyy --:--

Submit

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^

Already Registered User (Patient) Test Booking

COVID19-TMS

Dashboard

COVID19 TESTING

Testing

Test Report

Admin

Covid19-Testing | Already Registeres Users

Registered Mobile Number

Please enter your registered mobile number

Search

Resultst againt mobile number "1234567890"

Personal Information

Full Name

Anuj kumar

Mobile Number

1234567890

DOB (yyyy-mm-dd)

1999-02-01

Any Govt Issued ID

Driving License

Govt Issued ID Number

342545445345

Address

A83748 New Delhi India

State

Delhi

Testing Information

Test Type

Select

Time Slot for Test

dd-mm-yyyy --:--

Submit

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User (Patient) Test Details

COVID19-TMS

Dashboard

COVID19 TESTING

Testing

Test Report

Admin

Test Details# 450040675

Personal Information

Full Name	Anuj kumar
Mobile Number	1234567890
DOB (Date of Birth)	1999-02-01
Govt Issued Id	Driving License
Govt Issued Id No	342545445345
Full Address	A83748 New Delhi India
State	Delhi
Profile Reg Date	2021-04-27 23:01:22

Test Information

Order Number	450040675
Test Type	Antigen
Time Slot	2021-05-01T04:05
Report Status	Delivered
Assign To	Amit Singh- (12587493)
Assigned Date	06-05-2021 10:05:22 AM
Report	Download
Report Delivered Time	07-05-2021 01:31:48 AM

Test Tracking History

Remark	Status	Remark Date	Remark By
The Phlebotomist is on the way for collection.	On the Way for Collection	2021-05-06 10:06:22	Admin
Sample collection.	Sample Collected	2021-05-07 00:45:25	Admin
Sample sent to the lab.	Sent to Lab	2021-05-07 00:45:48	Admin
Report uploaded.	Delivered	2021-05-07 01:31:48	Admin

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State Wise Dashboard

COVID19-TMS

Dashboard

COVID19 TESTING

Testing

Test Report

Admin

Statewise Testing Dashboard


Statewise Testing Dashboard

Sno.	State Name	Total Test Done
1	Bihar	1
2	Delhi	3
3	Uttar Pradesh	2
Sno.	State Name	Total Test Done

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Admin Login

Covid Testing Management System



Welcome Back!

Enter username

Password


login

[Forgot Password?](#)

[Home Page](#)

Admin Password Recovery

Covid Testing Management System



Password Recovery

Enter username

Contact Number

New Password

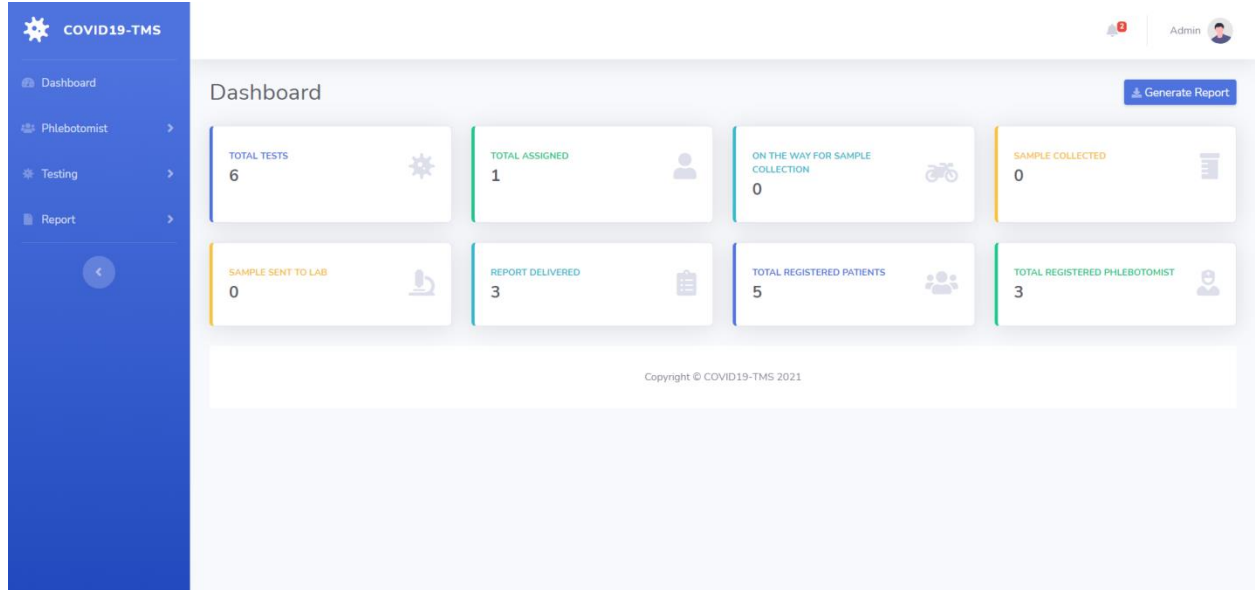
Confirm Password

Submit

[Signin](#)

[Home Page](#)

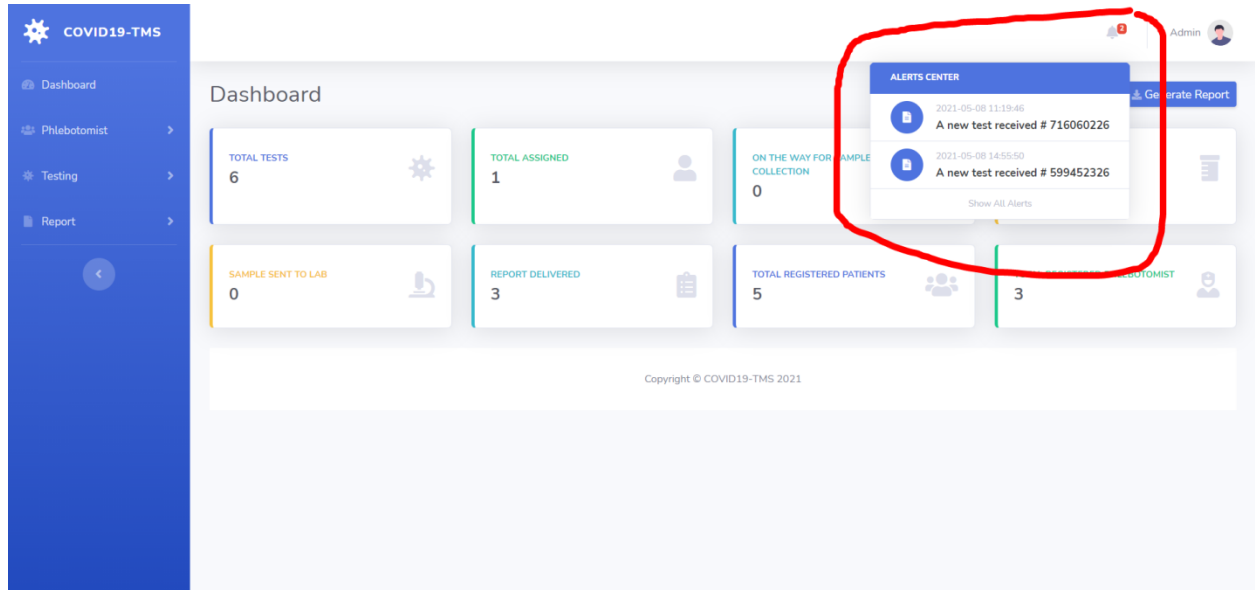
Admin Dashboard



The Admin Dashboard for COVID19-TMS shows a sidebar with navigation links: Dashboard, Phlebotomist, Testing, and Report. The main area displays a 'Dashboard' with eight summary cards and a 'Generate Report' button. The cards show: TOTAL TESTS (6), TOTAL ASSIGNED (1), ON THE WAY FOR SAMPLE COLLECTION (0), SAMPLE COLLECTED (0), SAMPLE SENT TO LAB (0), REPORT DELIVERED (3), TOTAL REGISTERED PATIENTS (5), and TOTAL REGISTERED PHLEBOTOMIST (3). A copyright notice 'Copyright © COVID19-TMS 2021' is at the bottom.

Metric	Value
TOTAL TESTS	6
TOTAL ASSIGNED	1
ON THE WAY FOR SAMPLE COLLECTION	0
SAMPLE COLLECTED	0
SAMPLE SENT TO LAB	0
REPORT DELIVERED	3
TOTAL REGISTERED PATIENTS	5
TOTAL REGISTERED PHLEBOTOMIST	3

Admin Notification



The Admin Dashboard is shown with an 'ALERTS CENTER' overlay. The overlay lists two alerts: 'A new test received # 716060226' at 2021-05-08 11:19:46 and 'A new test received # 599452326' at 2021-05-08 14:55:50. A 'Show All Alerts' link is at the bottom of the overlay. The dashboard background is identical to the previous screenshot.

Alert	Timestamp
A new test received # 716060226	2021-05-08 11:19:46
A new test received # 599452326	2021-05-08 14:55:50

Add Phlebotomist

COVID19-TMS

Dashboard

Phlebotomist

Testing

Report

Admin

Add Phlebotomist

Personal Information

Employee Id

Enter Emp Id...

Full Name

Enter your full name...

Mobile Number

Please enter your mobile number

Submit

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Manage Phlebotomist

COVID19-TMS

Dashboard

Phlebotomist

Testing

Report

Admin

Manage Phlebotomist

Phlebotomist Information

Show 10 entries Search:

Sno.	Emp Id	Name	Mobile No.	Reg. Date	Action
1	12587493	Amit Singh	9876543212	2021-05-03 10:21:44	Edit Delete
1	105202365	Rahul	8529631470	2021-05-03 10:22:06	Edit Delete
1	10802364	Sanjeev Tomar	1234567890	2021-05-08 15:04:11	Edit Delete
Sno.	Emp Id	Name	Mobile No.	Reg. Date	Action

Showing 1 to 3 of 3 entries

Previous 1 Next

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Edit/Update Phlebotomist Information

COVID19-TMS

Dashboard

Phlebotomist

Testing

Report

Amit Singh's Profile

Personal Information

Registration Date: 2021-05-03 10:21:44

Employee Id

12587493

Full Name

Amit Singh

Mobile Number

9876543212

Update

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New/Assigned/On the way for collection/Sample Collected /Sent to Lab / Delivered / All Tests

COVID19-TMS

Dashboard

Phlebotomist

Testing

Report

New Test Requests

New Test Requests

Show 10 entries

Search:

Sno.	Order No.	Patient Name	Mobile No.	Test Type	Time Slot	Reg. Date	Action
1	716060226	Garima Singh	4598520125	CB-NAAT	2021-05-15T14:22	2021-05-08 11:19:46	View Details
2	599452326	Amit Singh	2536987410	CB-NAAT	2021-05-20T19:00	2021-05-08 14:55:50	View Details
Sno.	Order No.	Patient Name	Mobile No.	Test Type	Time Slot	Reg. Date	Action

Showing 1 to 2 of 2 entries

Previous 1 Next

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Test Details-1

COVID19-TMS

Dashboard

Phlebotomist

Testing

Report

Test Details# 716060226

Personal Information

Full Name	Garima Singh
Mobile Number	4598520125
DOB (Date of Birth)	2005-01-08
Govt Issued Id	Pancard
Govt Issued Id No	DDDKJKJ454545H
Full Address	A-1234 Patna
State	Bihar
Profile Reg Date	2021-05-08 11:19:44

Test Information

Order Number	716060226
Test Type	CB-NAAT
Time Slot	2021-05-15T14:22
Report Status	Not Processed yet

Assign To

Test Tracking History

No Tracking history found

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Assigned to

Dashboard

Phlebotomist

Testing

Report

Test Details# 716060226

Personal Information

Full Name	Garima Singh
Mobile Number	4598520125
DOB (Date of Birth)	2005-01-08
Govt Issued Id	Pancard
Govt Issued Id No	DDDKJKJ454545H
Full Address	A-1234 Patna
State	Bihar
Profile Reg Date	2021-05-08 11:19:44

Test Information

Order Number	716060226
Test Type	CB-NAAT
Time Slot	2021-05-15T14:22
Report Status	Not Processed yet

Assign To

Test Tracking History

No Tracking history found

Assign to

Select Phlebotomist

Submit

Close

Take Action

Testing >

Report >

<

Full Name

Mobile Number

DOB (Date of Birth)

Govt Issued Id

Govt Issued Id No

Full Address

State

Profile Reg Date

Take Action

×

Select Action

Remark (Max 500 Characters)

Submit

Close

740138296

RT-PCR

2021-05-05T14:40

Assigned

Rahul-(105202365)

07-05-2021 03:52:05 PM

Test Tracking History

No Tracking history found

Test Details Admin

COVID19-TMS

Admin

Dashboard

Phlebotomist >

Testing >

Report >

<

Test Details# 250482553

Personal Information

Full Name	Rahul Yadav
Mobile Number	1234567899
DOB (Date of Birth)	2003-06-05
Govt Issued Id	Driving License
Govt Issued Id No	5435345
Full Address	ABC 123 XYZ Street Noida
State	Uttar Pradesh
Profile Reg Date	2021-05-08 14:59:22

Test Information

Order Number	250482553
Test Type	Antigen
Time Slot	2021-05-11T15:00
Report Status	Delivered
Assign To	Amit Singh-(12587493)
Assigned Date	08-05-2021 03:00:47 PM
Report	Download
Report Delivered Time	08-05-2021 03:02:51 PM

Test Tracking History

Remark	Status	Remark Date	Remark By
On the way for sample collection.	On the Way for Collection	2021-05-08 15:01:42	Admin
Sample collected successfully	Sample Collected	2021-05-08 15:02:06	Admin
Sample sent to lab	Sent to Lab	2021-05-08 15:02:26	Admin
Report Uploaded	Delivered	2021-05-08 15:02:51	Admin

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Reports

B/w Dates Report Date Selection

COVID19-TMS

Dashboard

Phlebotomist

Testing

Report

B/w Dates Report Date Selection

From Date

dd-mm-yyyy

To Date

dd-mm-yyyy

Submit

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B/w Dates Test Result

COVID19-TMS

Dashboard

Phlebotomist

Testing

Report

B/W Dates Report Result From 2021-04-02 to 2021-05-09

B/W Dates Report Results

Showing 1 to 6 of 6 entries

Search:

Sno.	Order No.	Patient Name	Mobile No.	Test Type	Time Slot	Reg. Date	Action
1	450040675	Anuj kumar	1234567890	Antigen	2021-05-01T04:05	2021-04-27 23:01:23	View Details
2	740138296	Anuj kumar	1234567890	RT-PCR	2021-05-05T14:40	2021-04-28 00:40:30	View Details
3	617325549	Sarita	6547893210	RT-PCR	2021-05-01T05:10	2021-04-27 23:34:58	View Details
4	716060226	Garima Singh	4598520125	CB-NAAT	2021-05-15T14:22	2021-05-08 11:19:46	View Details
5	599452326	Amit Singh	2536987410	CB-NAAT	2021-05-20T19:00	2021-05-08 14:55:50	View Details
6	250482553	Rahul Yadav	1234567899	Antigen	2021-05-11T15:00	2021-05-08 14:59:22	View Details

Showing 1 to 6 of 6 entries

Previous 1 Next

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Search Report

COVID19-TMS

Dashboard

Phlebotomist

Testing

Report

Admin

Search Report

Search By Patient Name or Mobile Number or Order Number

Search

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Search Report Result

COVID19-TMS

Dashboard

Phlebotomist

Testing

Report

Admin

Search Result Against 'Anuj'

Search Report Results

Show 10 entries

Search:

Sno.	Order No.	Patient Name	Mobile No.	Test Type	Time Slot	Reg. Date	Action
1	450040675	Anuj kumar	1234567890	Antigen	2021-05-01T04:05	2021-04-27 23:01:23	View Details
2	740138296	Anuj kumar	1234567890	RT-PCR	2021-05-05T14:40	2021-04-28 00:40:30	View Details
Sno.	Order No.	Patient Name	Mobile No.	Test Type	Time Slot	Reg. Date	Action

Showing 1 to 2 of 2 entries

Previous

1

Next

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Admin Profile

COVID19-TMS

Dashboard

Phlebotomist >

Testing >

Report >

<

Admin

Admin Profile

Registration Date: 2021-04-20 00:00:00

Admin Name

User Name

Email Id

Contact Number

Update

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Admin Change Password

COVID19-TMS

Dashboard

Phlebotomist >

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Report >

<

Admin

Change Password

Change Password

Current Password

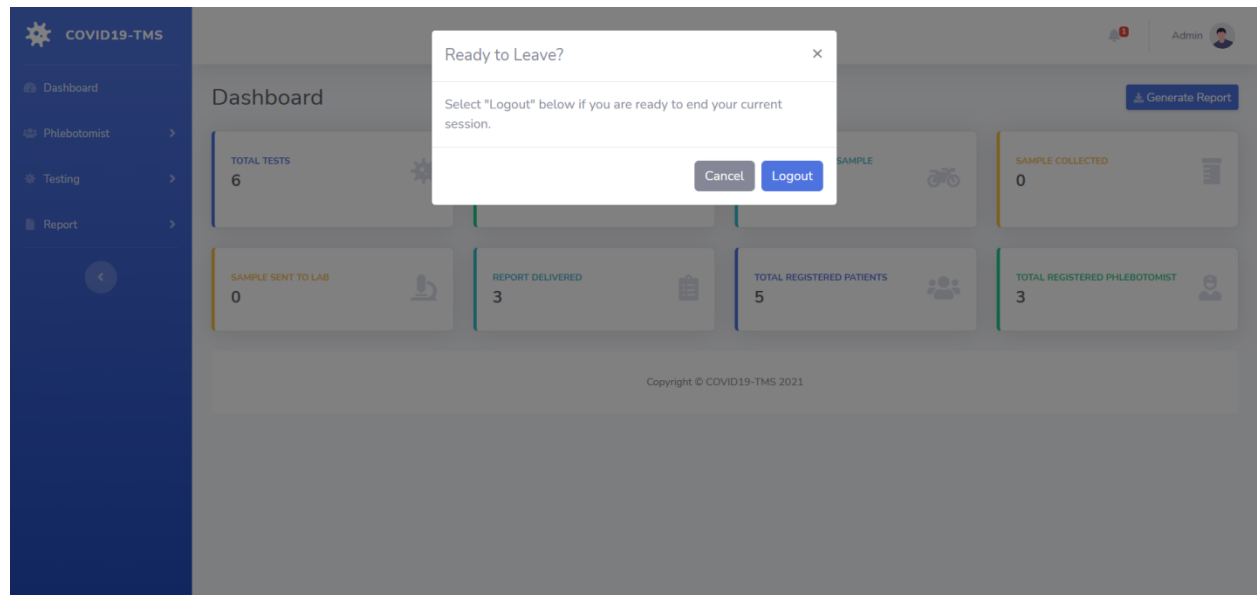
New Password

Confirm Password

Submit

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Admin Logout



Conclusion

COVID19 Testing Management System is very much graceful and lively. Patients have to register to the portal by giving their details and then they can take appointment through online with minimal effort. The Phlebotomist comes to patient address to collect the sample. Once test is done and test report is generated patient can download the report by logged in to the portal. This system can be implemented in diagnostic labs and clinics.

- Automation of the entire system improves the productivity.
- It provides a friendly graphical user interface which proves to be better when compared to the existing system.
- It gives appropriate access to the authorized users depending on their permissions.
- It effectively overcomes the delay in communications.
- Updating of information becomes so easier.
- System security, data security and reliability are the striking features.
- The System has adequate scope for modification in future if it is necessary.

References

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- <https://www.w3schools.com/php/default.asp>
- <https://www.sitepoint.com/php/>
- <https://www.php.net/>

For MySQL

- <https://www.mysql.com/>
- <http://www.mysqltutorial.org>

For XAMPP

- <https://www.apachefriends.org/download.html>