

Sharda Sahishnik & Samajik Santha

**Vidhydhan Commerce & Science College
Walwadi, Dhule**



A PROJECT REPORT ON

“Hospital Management System “

SUBMITTED BY

Miss. Sampada Rajendra Patil.

PRN NO:- 2019015400355907

Seat Number:- 358291

GUIDE BY

PROF. Mr. Amit D. Umbre

IN PARTIAL FULLFILLMENT OF

DEGREE OF BACHORAL OF COMPUTER APPLICATION (BCA)



Kavayitri Bahinabai Chaudhari

North Maharashtra University, Jalgaon

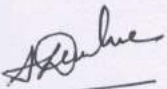


Certificate


This is to certify that **Miss. Sampda Patil** final year student of Bachelor in Bachelor of Computer Applications (**BCA**) has been successfully complete these project entitled "**Hospital Management System** " as the record of the work carried out by his is accepted in partial fulfilment of the requirement for degree of Bachelor in Bachelor of Computer Applications (**BCA**) in the Bachelor of Computer Applications (**BCA**) Vidhyadhan Commerce & Science college Dhule under the guidance of **Prof. Mr. Amit . D. Umbre** in the academic year 2021-2022.

Place:- *Dhule*

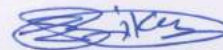
Date


Prof. Amit D. Umbre

(Project Guide)


External Examiner




Head of Department
H.O.D.
Computer & Management
Vidyadhan College, Valwadi


Principal
Sharda Education & Social Service Trust
Vidyadhan Com. & Sci College
Valwadi (Dhule)

"HOSPITAL MANAGEMENT SYSTEM"

INDEX

- ❖ Introduction
- ❖ Requirement Analysis
- ❖ Module Description
- ❖ Design
- ❖ Database
- ❖ Testing
- ❖ Input screen
- ❖ Output screen
- ❖ Conclusion
- ❖ Bibliography

Introduction

Hospital Management System is a system enabling hospitals to manage information and data related to all aspects of healthcare – processes, providers, patients, and more, which in turn ensures that processes are completed swiftly and effectively. When one thinks of the various aspects and departments of a hospital, it becomes apparent that an HMS is critical. The hospital management system was introduced in 1960, and has greatly evolved since then – with the ability to integrate with the existing facilities, technologies, software, and systems of a hospital. Today, patients can begin the process of healthcare in the palm of their hand – the mobile devices and apps – make this possible. This process then moves to the healthcare providers and hospitals.

With the large amounts of data, people involved and innumerable processes, a hospital is definitely an ideal candidate for data management software. If hospitals are to run efficiently, provide top line care, ensure patient and other data confidentiality, and work seamlessly – they cannot hope to do so without an effective [Hospital Management System Software](#). Reduced human intervention for paperwork, less paperwork, reduced staff headcount for jobs that can be easily managed within the HMS, speedier processes, reduction of errors, and data privacy and safety – are just some of the benefits of a Hospital Management System.

For the hospitals, HMS translates to being able to track patient history, provide better care, keep track of appointments, save patient insurance and payment data, enable doctors and clinicians to check patient history, maintain patient care continuity, and save time and effort on unnecessary tedious manual tasks. This [Electronic Medical Record \(EMR\)](#) or Electronic Health Record (EHR) is the journey of a patient with the hospital – keeping track of the date of every visit, doctor consulted, medicines and advice prescribed, and other information for the patient. This ensures that even if a patient visits after a long break, the patient and hospital will not require going through the registration process again.

Hospital records are easily audited and kept compliant with policies and laws. In addition, the Hospital Management System is cost effective – it reduces the need for staff to manage manual entries, manage paperwork, and ensure accurate filing. This in turn significantly reduces the possibility of human error, which can prove costly on many counts. Another significant benefit/factor of the HMS is it is customizable to the needs and requirements of a particular hospital/healthcare facility.

Requirement Analysis

Software Requirement

- Project Name Hospital Management System in php
- Language used PHP5.6,PHP7.X
- Database MySQL 5.x
- User interface Design HTML,AJAX,JQUERY,JAVASCRIPT
- Web Browser Mozilla Google chrome, IE8,OPERA
- Software XAMPP/Wamp/Mamp/Lamp

Hardware Requirement

- ❖ P-III or higher processer
- ❖ 40 GB HDD
- ❖ 256 SDD
- ❖ 8 GB RAM (MIN)
- ❖ Color VGA 800x600 resolution monitor

Module Description

Hospital Management System is a web application for the hospital which manages doctors and patients. In this project, we use PHP and MySQL database.

The entire project mainly consists of 3 modules, which are

- Admin module
- User module
- Doctor module

Admin module:

1. **Dashboard:** In this section, admin can view the Patients, Doctors, Appointments and New queries.
2. **Doctors:** In this section, admin can add doctor's specialization and manage doctors (Add/Update).
3. **Users:** In this section, admin can view users detail(who take online appointment) and also have right to delete irrelevant user.
1. **Patients:** In this section, admin can view patient's details.
2. **Appointment History:** In this section, admin can view appointment history.
3. **Contact us Queries:** In this section, admin can view queries which are send by users.
4. **Doctor Session Logs:** In this section, admin can see login and logout time of doctor.
5. **User Session Logs:** In this section, admin can see login and logout time of user.
6. **Reports:** In this section, admin can view reports of patients in particular periods.
7. **Patient Search:** In this section, admin can search patient with the help of patient name and mobile number.

Admin can also change his/her own password.

User module (patient):

1. **Dashboard:** In this section, patients can view the his/her profile, Appointments and Book Appointment.
2. **Book Appointment:** In this section, Patient can book his/her appointment.
3. **Appointment History:** In this section, Patients can see his/her own appointment history.

4. Medical History: In this section, Patients can see his/her own appointment history.
User can update his/her profile, change the password and recover the password.

Doctor module:

1. **Dashboard:** In this section, doctor can view his/her own profile and online appointments.
2. **Appointment History:** In this section, Doctor can see patient's appointment history.
3. **Patients:** In this section, doctor can manage patients (Add/Update).
4. **Search:** In this section, doctor can search patient with the help of patient name and mobile number.

Table admin

The screenshot shows the phpMyAdmin interface for the 'admin' table. The table structure is as follows:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id	INTEGER			No	None		AUTO_INCREMENT	Change Drop More
2	username	VARCHAR(255)	latin1_swedish_ci		No	None			Change Drop More
3	password	VARCHAR(255)	latin1_swedish_ci		No	None			Change Drop More
4	updateDate	VARCHAR(255)	latin1_swedish_ci		Yes	None			Change Drop More

Table Appointment

The screenshot shows the phpMyAdmin interface for the 'Appointment' table. The table structure is as follows:

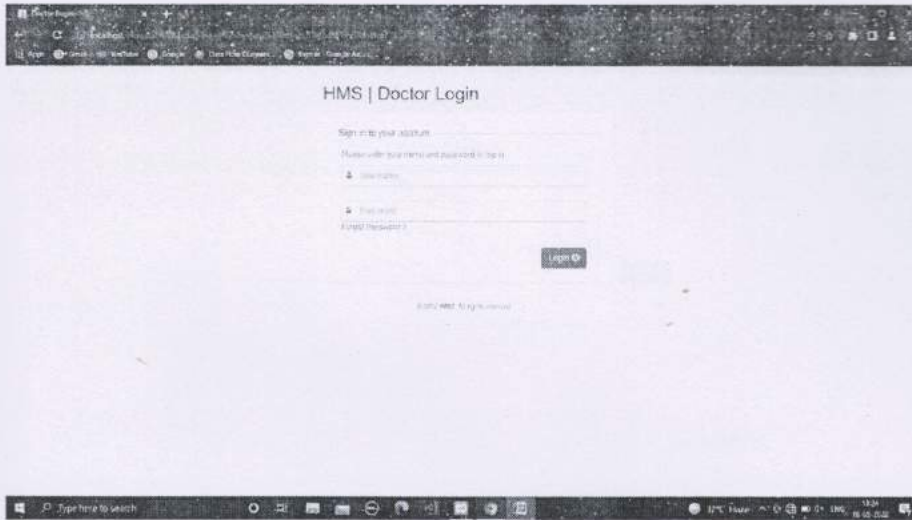
#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id	INTEGER			No	None		AUTO_INCREMENT	Change Drop More
2	doctorSpecialization	VARCHAR(255)	latin1_swedish_ci		Yes	NULL			Change Drop More
3	doctorid	INTEGER			Yes	NULL			Change Drop More
4	userid	INTEGER			Yes	NULL			Change Drop More
5	consultancyFees	INTEGER			Yes	NULL			Change Drop More
6	appointmentDate	VARCHAR(255)	latin1_swedish_ci		Yes	NULL			Change Drop More
7	appointmentTime	VARCHAR(255)	latin1_swedish_ci		Yes	NULL			Change Drop More
8	postingDate	TIMESTAMP			Yes	current_timestamp()			Change Drop More
9	userStatus	INTEGER			Yes	NULL			Change Drop More
10	doctorStatus	INTEGER			Yes	NULL			Change Drop More
11	updateDate	TIMESTAMP			Yes	NULL		ON UPDATE CURRENT_TIMESTAMP()	Change Drop More

Table Doctors

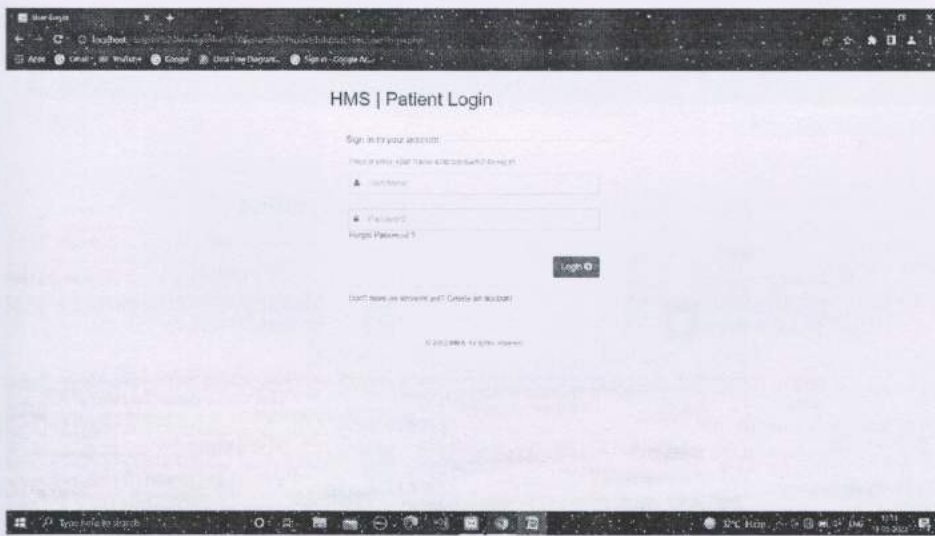
The screenshot shows the phpMyAdmin interface for the 'Doctors' table. The table structure is as follows:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id	INTEGER			No	None		AUTO_INCREMENT	Change Drop More
2	fullName	VARCHAR(255)	latin1_swedish_ci		Yes	NULL			Change Drop More
3	address	LONGTEXT	latin1_swedish_ci		Yes	NULL			Change Drop More
4	city	VARCHAR(255)	latin1_swedish_ci		Yes	NULL			Change Drop More
5	gender	VARCHAR(255)	latin1_swedish_ci		Yes	NULL			Change Drop More
6	email	VARCHAR(255)	latin1_swedish_ci		Yes	NULL			Change Drop More
7	password	VARCHAR(255)	latin1_swedish_ci		Yes	NULL			Change Drop More
8	regDate	TIMESTAMP			Yes	current_timestamp()			Change Drop More
9	updateDate	TIMESTAMP			Yes	NULL		ON UPDATE CURRENT_TIMESTAMP()	Change Drop More

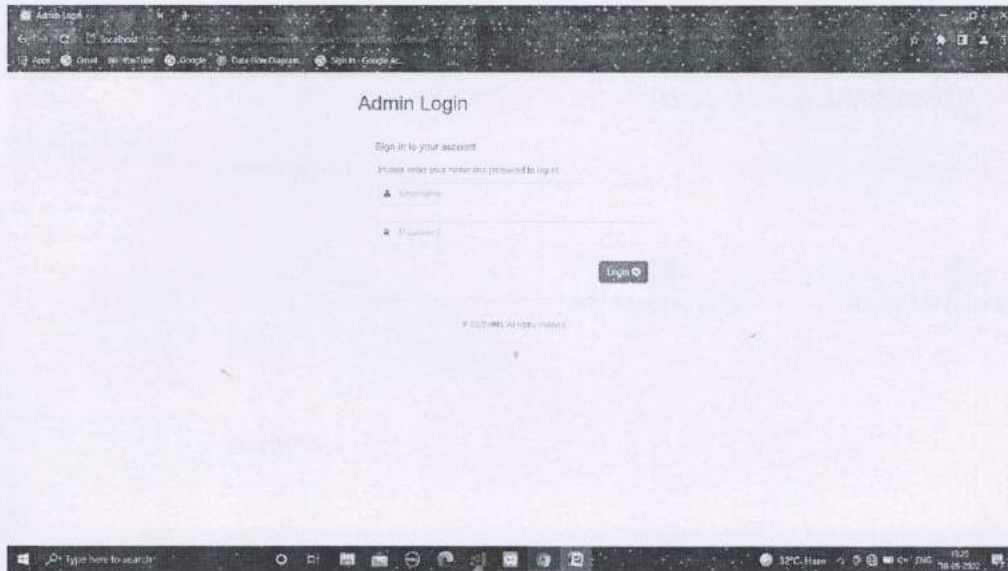
LOGIN SCREEN



LOGIN SCREEN



LOGIN PAGE



Admin Dashboard

