



American International University- Bangladesh

CSC 3222: Web Technologies

CO1.1 and CO2.1 Evaluation

Project Report

Spring 2020-2021

Project Title: **Hospital Management System**

Section: **C**

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Hospital Management System

Introduction:

Online hospital management system: A unique hospital management system for both patients and hospital stuffs. The primary target of this design is to make hospital experience better than we currently have.

Background Study

The old system of hospitals is not very user friendly. The first big stem is waiting in the queue for long hours. There are lots of other problems that makes your hospital experience bad. Our main focus is designing a unique Hospital Management System that will improve hospital experience for both patients and the hospital authorities. The whole system will run on internet. The system is written in PHP, java script, jQuery, HTML and CSS. Users will have the facility to log in from any place with internet connection. After that they will be able to various tasks that are designed for them. Users are categorized in four groups :(Admin, Doctor, Patient and Pharmacist). The primary target is to focus on every user who can get our service and get benefitted. This will make the system useful and more convenient for everyone.

Requirement Analysis:

1. User Category:

There are 4-types of Users here. They are:

- Admin
- Doctor
- Patient
- Pharmacist

2. Feature List:

In this project the “Admin” has the following features:

- Login
- Effective user access control
- Page creation (Add new page)
- Control site design
- Content (Add new content)
- Search (Can search any user)
- Profile
- Session/cookie
- Edits made by users (Approve or deny)

In this project the “Doctor” has the following features:

- Log in /log out
- Password Change
- Session /cookie

Hospital Management System

- Profile
- Appointment list (Can see the list of appointments)
- Digital prescription

In this project the “Patient” has the following features:

- Login/logout
- Password recovery
- Session/cookie
- Profile (view/edit)
- Appointment (Create an appointment, Manage schedule)
- Edit Appointment (edit/delete)
- Dashboard (Can see all of the appointments, can see time, can see calendar)
- Search (by doctors /receptionist's name id)
- Payment receipt
- Order medicine

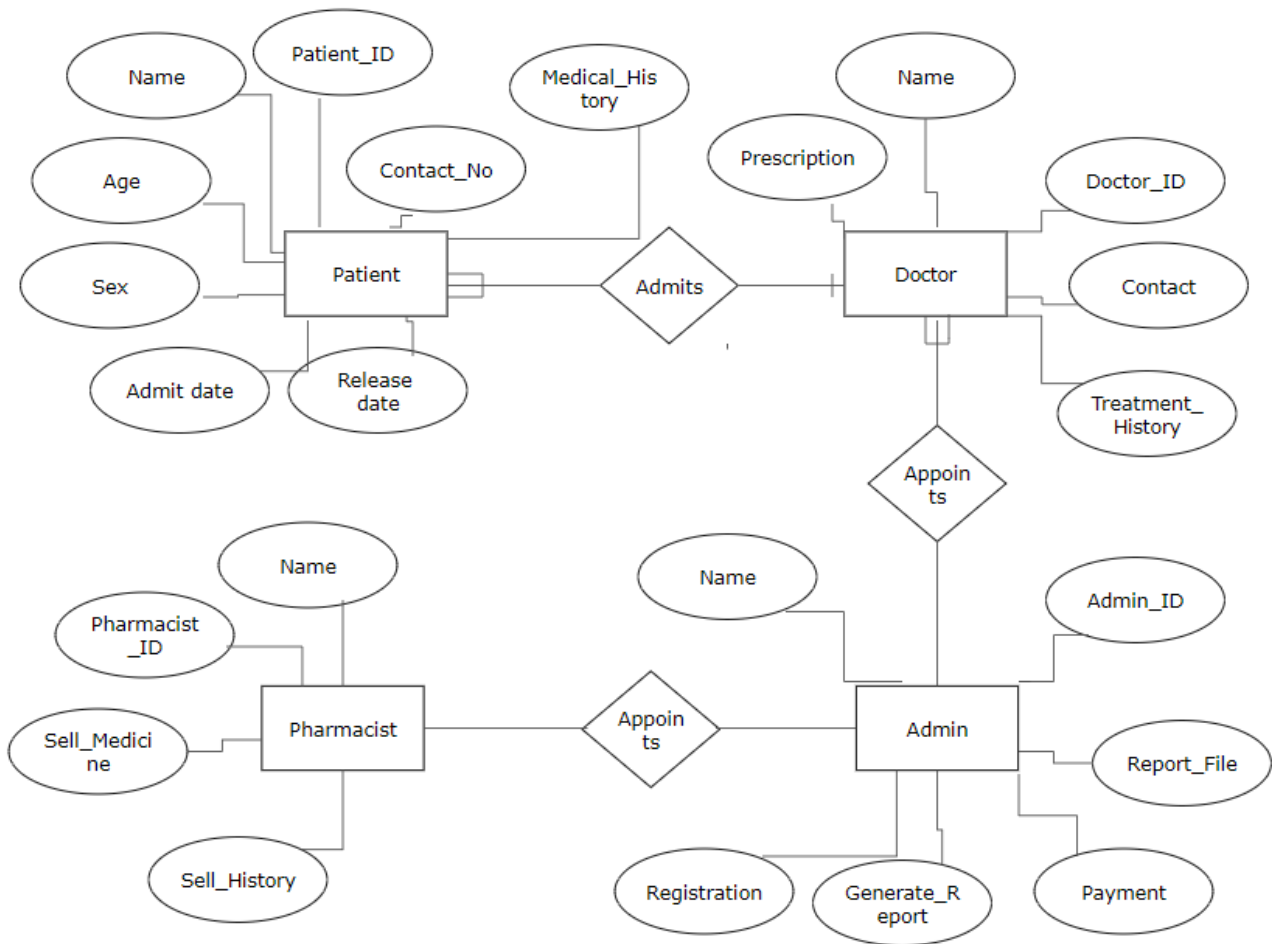
In this project the “Pharmacist” has the following features:

- Log in /log out.
- Session /cookie
- Payment receipt
- Medicine stock
- Profile
- Facilities
- Update medicine
- Sell medicine

Design:

Draw an entity diagram of your project here.

Hospital Management System



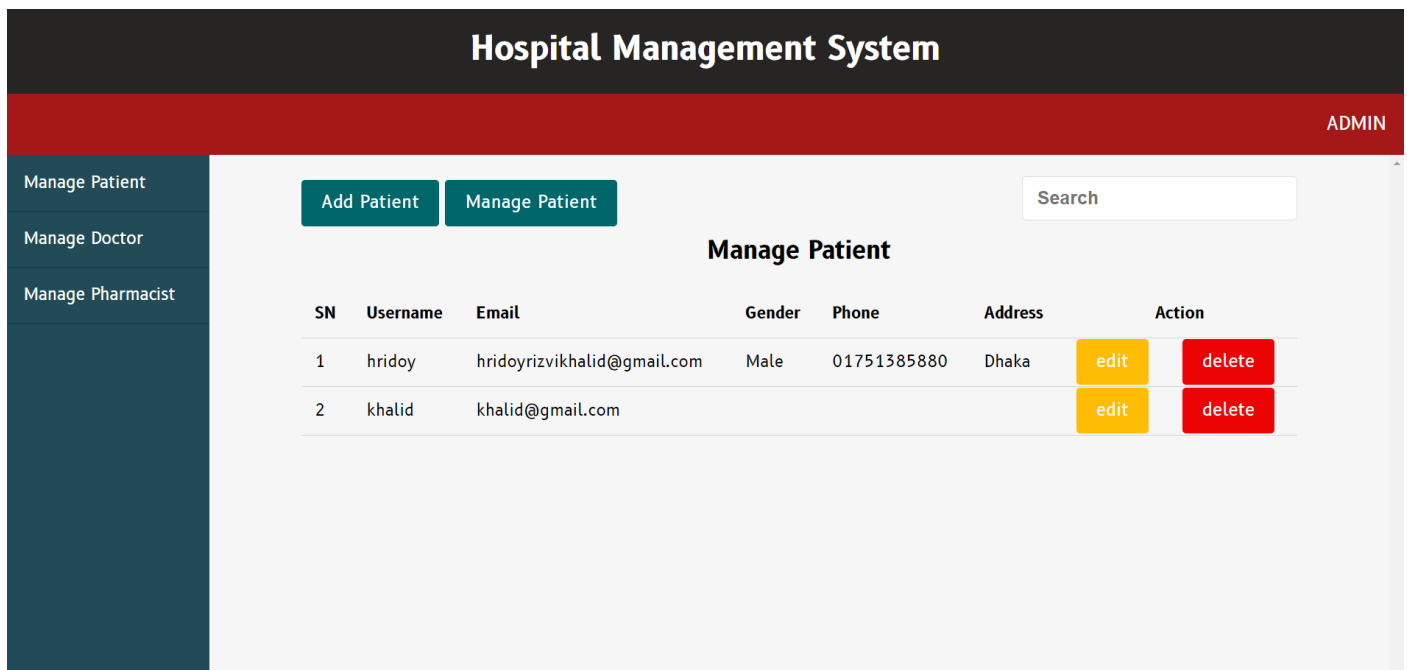
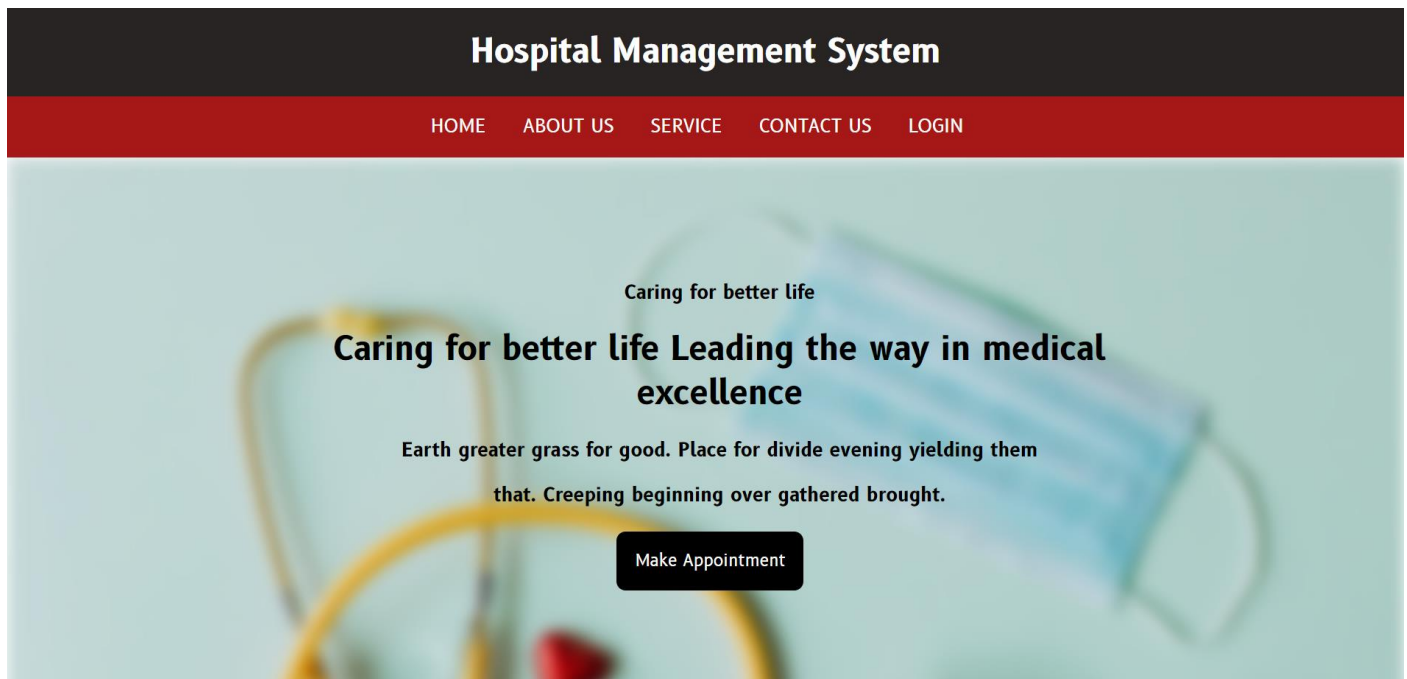
Tools Used:

To develop this project, we have used the following:

- Visual Studio Code
- My SQL
- XAMPP
- Chrome

Hospital Management System

System Images against the Specification:



Hospital Management System

Hospital Management System

ADMIN

Manage Patient

Manage Doctor

Manage Pharmacist

Add Doctor

Manage Doctor

Manage Doctor

SN	Username	Email	Specialization	Fees	Phone	Gender	Action
1	rabeya boshri	rabeya@gmail.com	Pathology	2000	01700000000	Female	<div>edit</div> <div>delete</div>

Hospital Management System

ADMIN

Manage Patient

Manage Doctor

Manage Pharmacist

Update Profile

Username

pharmacist

Email

pharmacist@hms.com

Address

Chittagong

Phone Number

01751385803

Gender

Male

Password

.....

Hospital Management System

Hospital Management System

RABEYA BOSHRI

Approve Apointment

Apointment History

Update Profile

Approve Apointment

SN	Patient Name	Gender	Date	Reason	Status	Comment	Action
1	hridoy	Male	2021-04-22	pain in stomach	Approved	<input type="text"/>	<div>Approve</div> <div>Decline</div>
2	hridoy	Male	2021-04-22	something	Declined	<input type="text"/>	<div>Approve</div> <div>Decline</div>
3	hridoy	Male	2021-04-22	pete betha khuda lage na	Approved	<input type="text"/>	<div>Approve</div> <div>Decline</div>

Hospital Management System

RABEYA BOSHRI

Approve Apointment

Apointment History

Update Profile

Apointment History

SN	Patient Name	Email	Gender	Date	Time	Action
1	Hridoy	rkhridoy68@gmail.com	Male	03/30/2021	9:25 PM	<div>Delete</div>

Hospital Management System

Hospital Management System

PHARMACIST

Dashboard

Add Medicine

Sell Medicine

Show Medicine

Update Profile

Add Medicine

Medicine Name

Generic

Type

Quantity

Unit Price

Medicine Pic

Choose File

No file chosen

Hospital Management System

PHARMACIST

Dashboard

Add Medicine

Sell Medicine

Show Medicine

Update Profile

Sell Medicine

Search medicine...

Search

Name	Quantity	Price
Paracetamol	<div>- 1 +</div>	50
Total		50
		<div>Continue</div>

Hospital Management System

Hospital Management System

PHARMACIST

Dashboard



Add Medicine

Sell Medicine

Show Medicine

Update Profile

Manage Pharmacist

SN	Medicine Name	Generic	Type	Quantity	Unit Price	Images	Action
1	Vitabion	Square	Vitamin	300	3		<div>edit</div> <div>delete</div>
2	Napa	Beximco	painkiller	320	1		<div>edit</div> <div>delete</div>

Hospital Management System

HRIDOY

Book Appointment

Appointment History

Update Profile

Doctor Specialization
Select

Gender
Select

Filter

Reset

Book Appointment

Username	Email	Specialization	Fees	Gender	Date	Day	Start Time	End Time	Status	Action
rabeya boshri	rabeya@gmail.com	Pathology	2000	Female	2021-04-22	Wednesday	10:00	15:00	available	<div>Book</div>

Hospital Management System

Hospital Management System

HRIDOY

Book Apointment

Apointment History

Update Profile

Apointment History

SN	Doctor Name	Specialization	Fees	Date	Day	Status	Comment	Action	
1	rabeya boshri	Pathology	2000	2021-04-22	Wednesday	Approved		Delete	Print
2	rabeya boshri	Pathology	2000	2021-04-22	Wednesday	Declined		Delete	Print
3	rabeya boshri	Pathology	2000	2021-04-22	Wednesday	Approved	ok don't worry.will meet soon	Delete	Print



Hospital Management System, Inc.
12345 Sunny Road
Dhanmondi, TX 12345

Invoice #: 28
Created: 25-04-2021

Payment Method	Cash #
Cash	2000
Appointment Details	
Appointment ID	28
Appointment Status	Approved
Patient name	hrido
Patient Email	hridozvikhalid@gmail.com
Patient Gender	Male
Appointment Date	2021-04-22
Appointment Day	Wednesday
Appointment Time	10:00 untill 15:00
Patient Symptom	pete betha khuda lage na

Print

Hospital Management System

Impact of this Project:

The quality of the patient–physician relationship is important to both parties. The better the relationship in terms of mutual respect, knowledge, trust, shared values and perspectives about disease and life, and time available, the better will be the amount and quality of information about the patient's disease transferred in both directions, enhancing accuracy of diagnosis and increasing the patient's knowledge about the disease. Where such a relationship is poor the physician's ability to make a full assessment is compromised and the patient is more likely to distrust the diagnosis and proposed treatment, causing decreased compliance to actually follow the medical advice. In these circumstances and also in cases where there is genuine divergence of medical opinions.

Limitations and Possible Future Improvements:

Due to certain limitations all the user signup process will be done by the Admin. Signup from home will be available soon. Users will be restricted from creating multiple user accounts. Family history of diseases and sickness are very important but it is not always available for the doctor. Another important aspect is the privacy of people. Our privacy is also considered as a very fundamental human right. The availability of data does not mean that everyone will be able to see other people's data. Only registered physicians will be able to check certain data under strict conditions. If the conditions are not met then they will not be allowed to check the data on any user.

- Modify as a web application targeting all doctors.
- All the user will get 250mb initial cloud space.
- They have to pay for additional cloud storage to save details of their patients (Example: Prescriptions, Test Reports).
- A mobile application to make things easy and bring them closer.

[Note: Make sure that your report is maximum 10 pages (including cover page).]

CO1.1 and CO2.1 Evaluation: Project Report Evaluation					
Project Proposal (5)	Background Study (5)	Requirement Analysis (5)	Entity Diagram (5)	System Images against the Specification (5)	Total (25)