



American International University- Bangladesh

CSC 3222: Web Technologies

CO1.1 and CO2.1 Evaluation

Project Report

Fall 19-20

Project Title: Hospital Management System

Section: H

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Hospital Management System

Introduction:

The purpose of the project entitled as “Hospital Management System” is to computerize the Management system of a Hospital to develop web application which is user friendly, simple, fast, and cost-effective. It deals with the collection of patient’s information, doctor’s information, online appointment and much more features. Traditionally, it was done manually. The main function of the system is register and store patient details and doctor details and retrieve these details as and when required, and also to manipulate these details meaningfully. Our main focus is design a unique Hospital Management System that will improve hospital experience for both patients and the hospital authorities. The whole system will run on internet.

Background Study

Various management program for management are present out there but there any not too many which provides the patients any functionality. The hospital system has been automated but the benefit is not for all. In such a situation I have figured out that there should be something for the patients. Some simple features for checking appointment, asking for appointment, prescription and test reports can reduce the hassle up to 70-80%. Because those are the sector where we face a lot of trouble and can find a way out. So this will allow us something that we were waiting for so long.

Important Links:

www.apachefriends.org

www.w3schools.com

www.code.visualstudio.com

https://en.wikipedia.org/wiki/Doctor%E2%80%93patient_relationship

Requirement Analysis:

1. User Category:

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

- Admin
- Doctor
- Nurse
- Patient



Hospital Management System

2. Feature List:

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

- Can add or remove doctor/ nurse.
- Can verify doctor/ nurse/clerk profiles -- Can block doctor/ nurse/clerk
- Can manipulate hospital information (edit-delete-view etc.) etc...
- Can manage patient appointment.
- Can view reports of patients
- Can view bed, ward, and cabin status.

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

- Can see patient’s appointment history.
- Can search patient with the help of patient name and mobile number.
- Can provide medication for patients.
- Provide medication for patients.

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

- Can keep record of patient operation, baby born and death of patient.
- Can inform doctor in emergency situation.
- Can allot bed, ward, and cabin for patients.
- Can provide medication according to patient prescription.

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

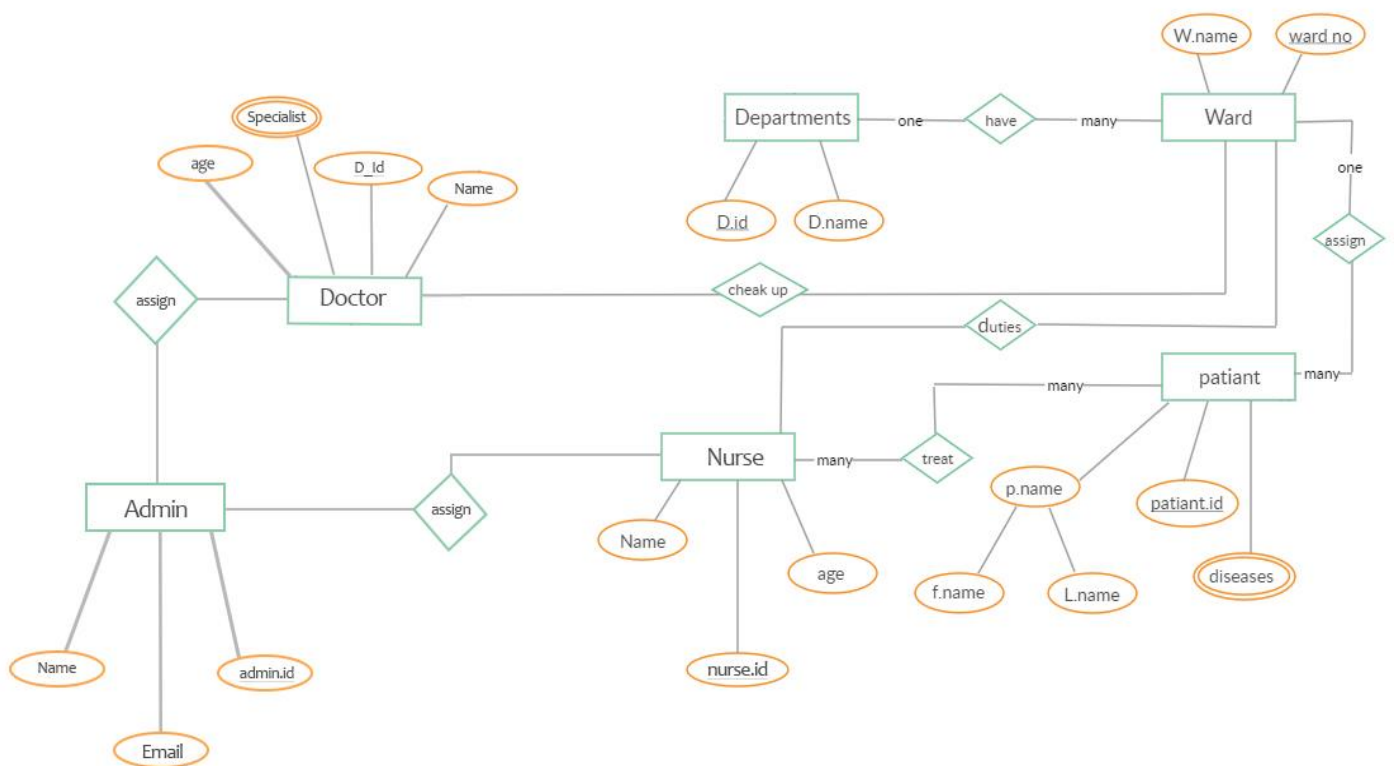
- Can view prescription details.
- Can make an appointment with the doctor.
- Can view blood bank status.
- Can view report and bill.



Hospital Management System

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 [Version 1.51.1.0]
- XAMPP Server [Version 3.4.2.0]
- Browser [Google Chrome/ Microsoft Edge]
- Programming Languages Used [HTML, PHP]

System Images against the Specification:

Login Page

The login page is created and validation and session is added. The inserted information will be added to the database automatically.



GetWell Diagnostic Centre

Login

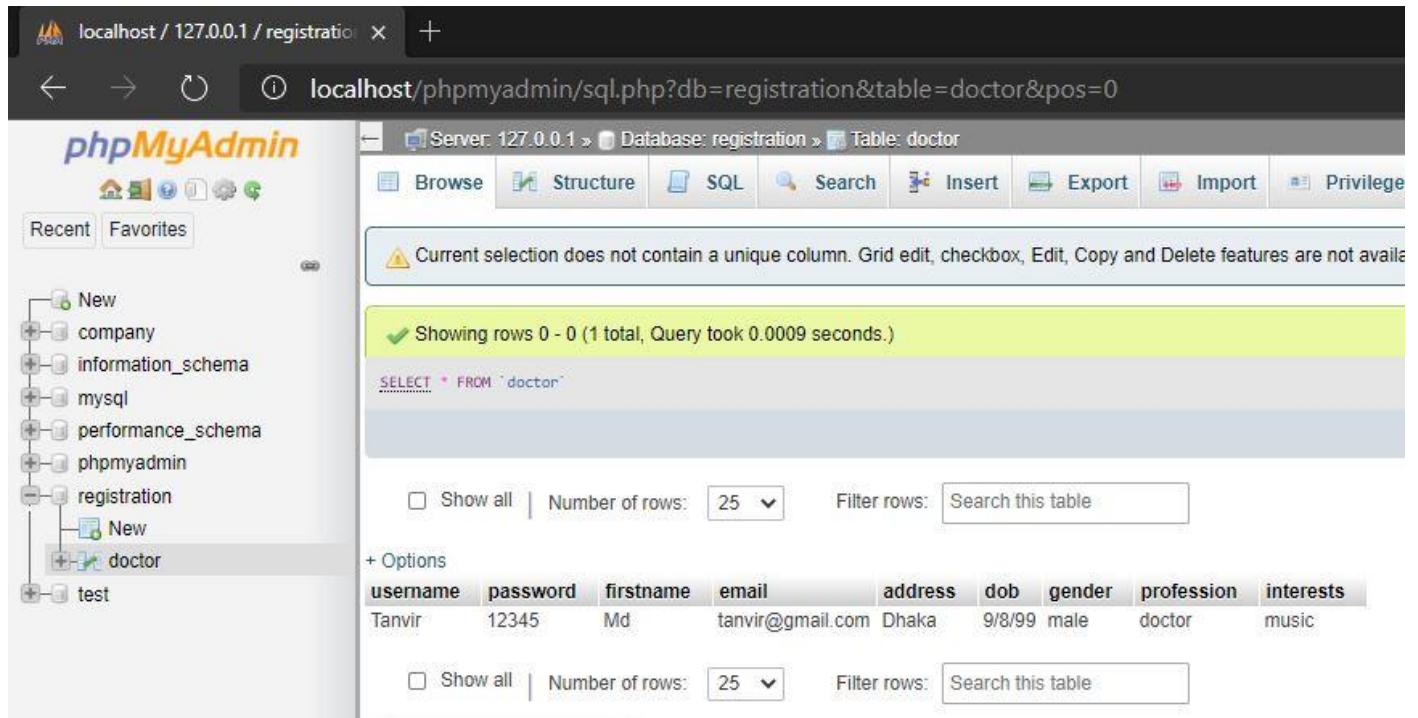
Select gender ☐ Female ☐ Male ☐ Other



Hospital Management System

Database Connected

All the data tables are properly connected with the project. Here is one example added for the data table doctor



The screenshot shows the phpMyAdmin interface for a local MySQL server at 127.0.0.1. The database 'registration' is selected, and the 'doctor' table is viewed. The table structure is as follows:

username	password	firstname	email	address	dob	gender	profession	interests
Tanvir	12345	Md	tanvir@gmail.com	Dhaka	9/8/99	male	doctor	music

Impact of this Project:

Our main focus is design 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 primary target is to focus on every user who can get our service and get benefitted. The target of this design is to make hospital experience better than we currently have. Hospital is a place where no one willingly wants to visit but there are times when we need to. The old system of hospitals are not very user friendly. There are lots of other problems that makes your hospital experience bad. Our main focus is to make peoples life easier in the hour of need. We are working to design such a system that will reduce a lot of paperwork and save peoples time.



Hospital Management System

Limitations and Possible Future Improvements:

Limitation of the project is the system has user limitation only Admin, Doctor, Nurse and Patient can use the system as user. There are some feature limitation as well. Since we are in the initial development phase of our system there are some minor bugs in the system. In future we will increase the users like receptionist, clerk and other employee of the hospital can use the system. We will also add some extra features for the users. After releasing the system, if there are any minor errors our maintenance team will solve the problem. In future we are also planning to launch an app with the same feature that will help the other user who finds it difficult to use website.

[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)

