

HOSPITAL MANAGEMENT SYSTEM

Health Information System Course
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Table of Contents:

Contents

1-Introduction:	2
2-Diagrams:.....	2
3-Forms	5
4- System vision:.....	13
5- System Capabilities	14
6-Non-Functional Requirements.....	14

1-Introduction:

In this system. we will show the most important functions in our system.

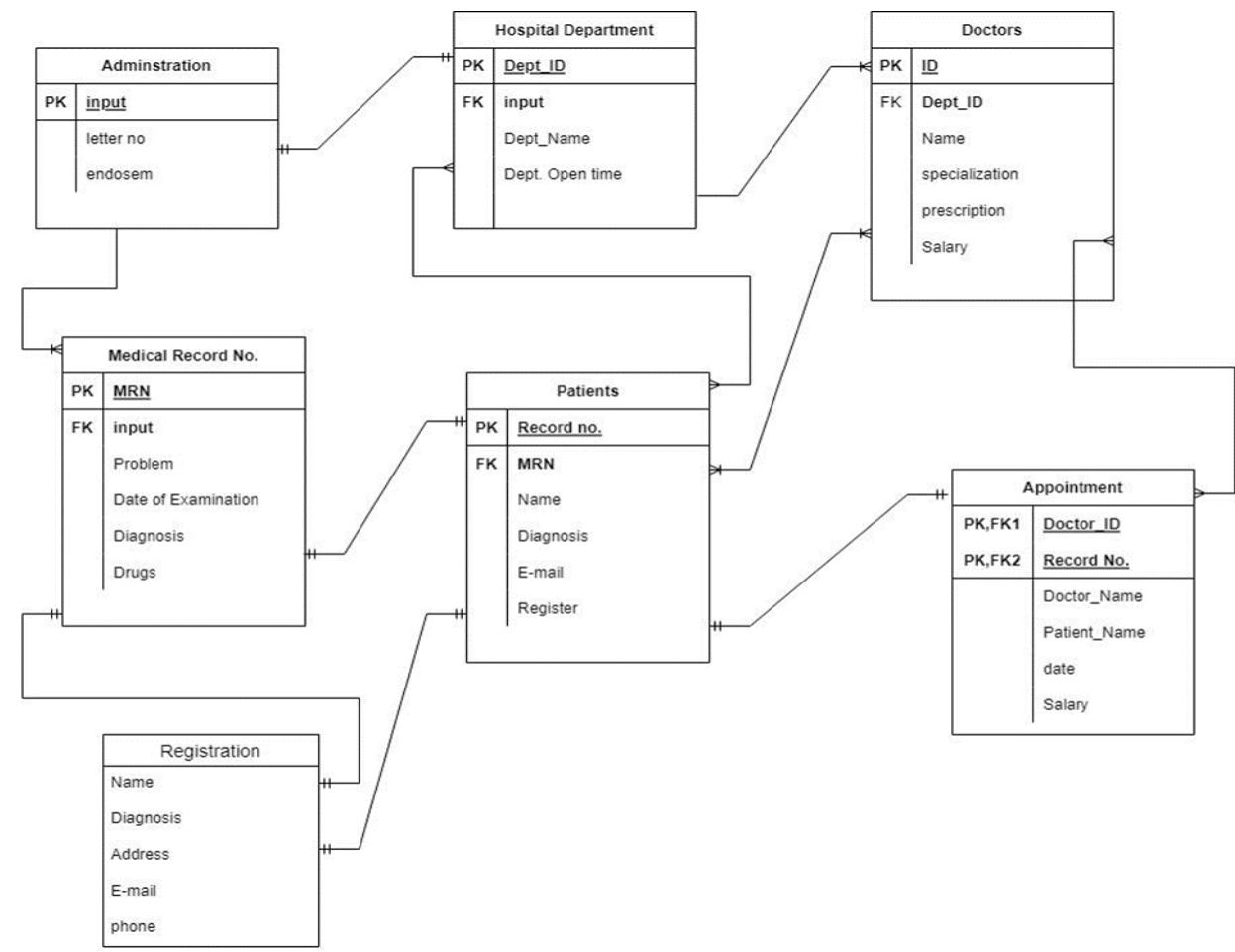
Hospital management system is a computer system that helps manage the information related to health care and aids in the job completion of health care providers effectively.

Our system is provided with many functions and features where patient registers first into system, then he sees if he will make an appointment or get in consultation with doctors.

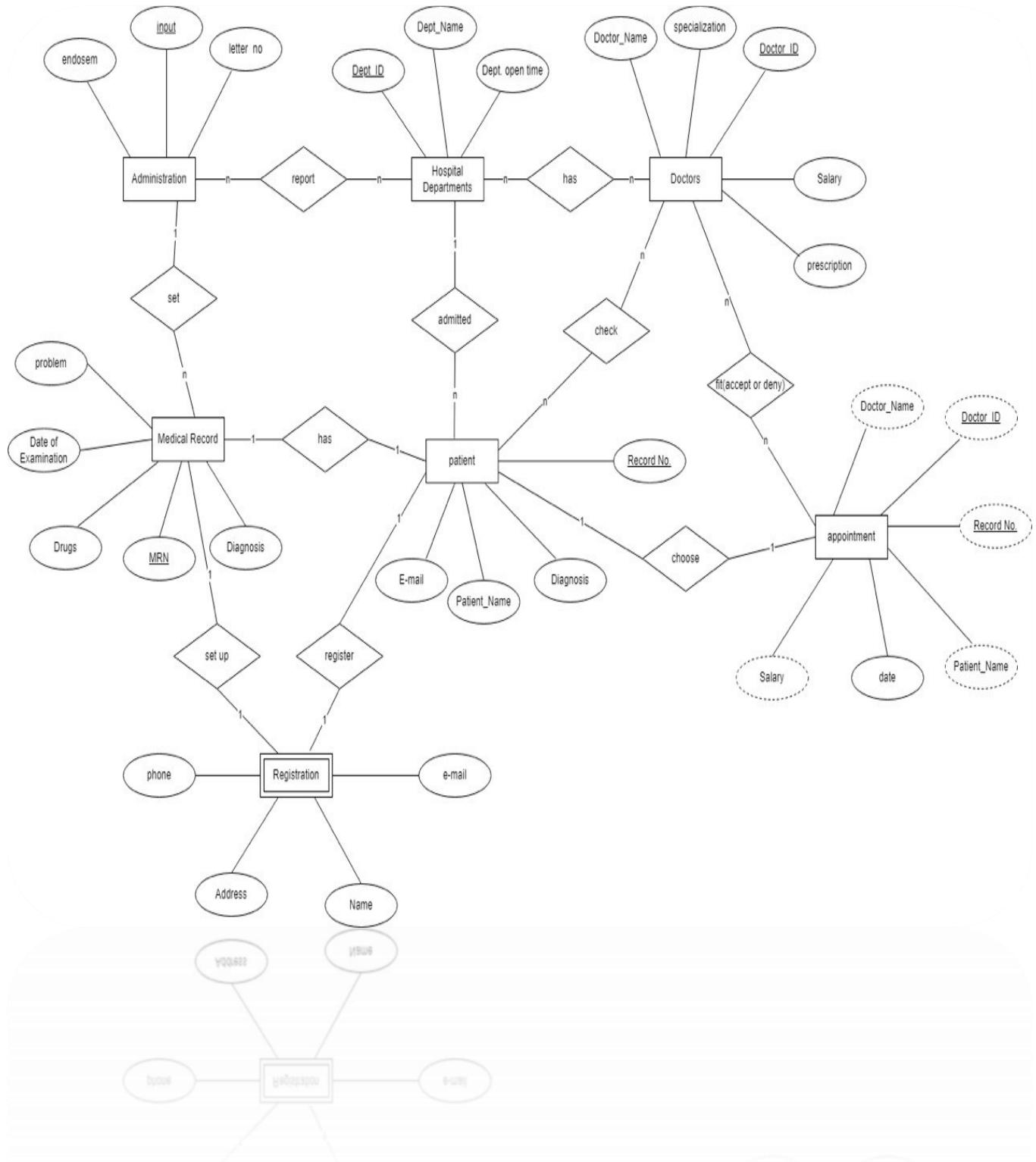
Also, patient can follow our hospital system latest news to be in knowledge with every new in our system.

2-Diagrams:

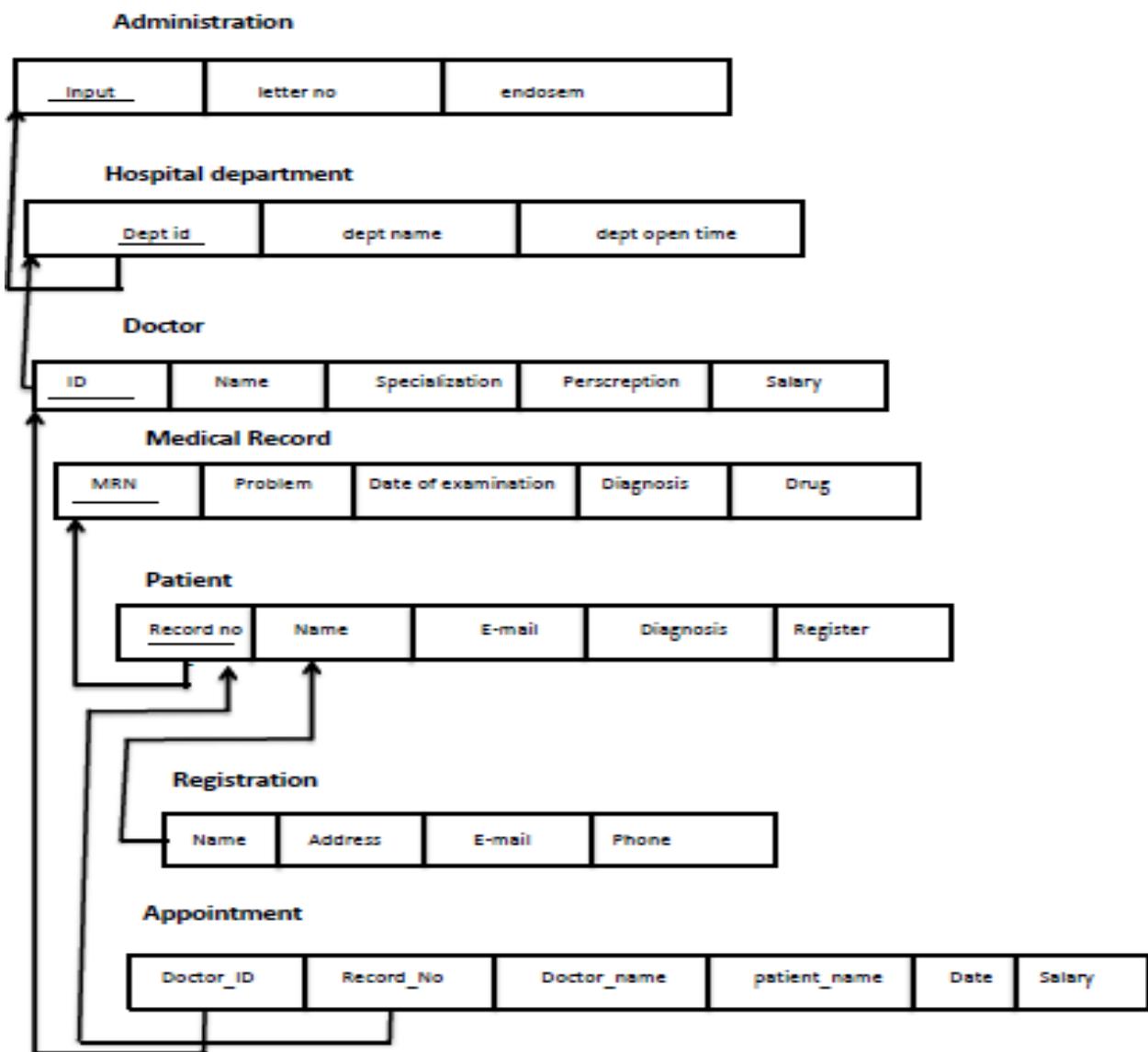
Physical schema:



2-Entity Relation Diagrams (ERD):



3-Schema (Mapping):



3-Forms

1-Log in form:

The screenshot shows a login page with a light gray background. At the top, there is a header bar with icons for back, forward, search, and refresh, followed by the URL '127.0.0.1:8000/login'. Below the header is a large blue circular logo. The main content area contains a white rectangular form with the following fields:

- Email: An input field with a placeholder 'Email'.
- Password: An input field with a placeholder 'Password'.
- Remember me: A checkbox labeled 'Remember me'.
- Forgot your password?: A link labeled 'Forgot your password?'.
- LOG IN: A dark blue button labeled 'LOG IN'.

At the bottom right of the page, there is a watermark-like text: 'Activate Windows Go to Settings to activate Windows.'

- In login form: there are two fields which they are email and password.
- Where user enters his/her email and password and after that he /she clicks on login button to login as user to go to next operation.
- In this form also admin logins to manage the operations in our system from: How many patients make an appointment or cancel it – Deleting or updating doctors -all doctors.

2-Register form:

The screenshot shows a registration form on a web page. At the top center is a blue circular logo. Below it is a white rectangular form with the following fields:

- Name: An input field with a placeholder question mark.
- Email: An input field.
- phone: An input field.
- address: An input field.
- Password: An input field.
- Confirm Password: An input field.

At the bottom of the form are two buttons: "Already registered?" and a dark blue "REGISTER" button. To the right of the form, there is a watermark-like text: "Activate Windows Go to Settings to activate Windows." The browser's address bar shows the URL 127.0.0.1:8000/register, and the top right corner has various system icons.

- In this form, there are four fields name, email, phone, password, confirm password.
- User registers in this form to go next to make appointment and do consultations with doctor.

3-Make an appointment form:

The screenshot shows a web browser window with the URL 127.0.0.1:8000. The page title is "Make an Appointment". The form consists of several input fields: "Full name" and "Email address..", "mm/dd/yyyy" date input with a calendar icon, "Doctor" dropdown menu, "Number.." phone number input, and a large "Enter message.." text area for messages. A green "Submit Request" button is at the bottom. The browser toolbar includes icons for back, forward, search, and refresh, along with an "Update" button.

- In make an appointment form , user or patient enters his full name , email address and the date which he/she will make appointments with doctor and chooses the doctor name with his specialty and enters his/her number and then enters message if he/she had a problem with something . then submits his/her request.

4- Adding Doctors form:

Navigation

- Add Doctors
- Appointments
- All Doctors

Doctor Name

Phone

Speciality

Room Number

Doctor Image No file chosen

Submit

Activate Windows
Go to Settings to activate Windows.

5- Get in touch form:

Get in Touch

Name

Email

Subject

Message

Send Message

6-latest news in our hospital:

The screenshot shows a web browser window with the URL 127.0.0.1:8000. The page title is "Latest News". There are three news items displayed in cards:

- List of Countries without Coronavirus case** (Roger Adams, 1 week ago)
- Recovery Room: News beyond the pandemic** (Roger Adams, 4 weeks ago)
- What is the impact of eating too much sugar?** (Diego Simmons, 2 months ago)

A "Read More" button is located at the bottom center of the news section.

7- Our Hospital management system :

The screenshot shows a web browser window with the URL 127.0.0.1:8000. The page title is "One-Health". The header includes a phone number (+00 123 4455 6666), an email address (mail@example.com), and navigation links for Home, About Us, Doctors, News, Contact, Login, and Register.

The main content features a large image of a hospital hallway with a "PISO 1" sign pointing to various departments. Overlaid on the image is the text "LET'S MAKE YOUR LIFE HAPPIER" and "Healthy Living". A "Let's Consult" button is visible. At the bottom, there are three service icons: "Chat with a doctors" (blue circle with a white speech bubble), "One-Health Protection" (green circle with a white checkmark), and "One-Health Pharmacy" (pink circle with a white shopping bag). A message "Activate Windows Go to Settings to activate Windows." is also present.

7-welcome to our health care center:

Welcome to Your Health Center

Activate Windows
Go to Settings to activate Window ↗

Our Doctors

8- Doctors name and photo and their specialty:

Our Doctors

Mark
Heart

Sam
Eyes

Kevin
Dentistry

Activate Windows
Go to Settings to activate Window ↗

9- footer:

The footer section is located at the bottom of the page. It features a dark green background with white text. At the top, there are four main categories: "Company", "More", "Our partner", and "Contact". Under "Company", there are links to "About Us", "Career", "Editorial Team", and "Protection". Under "More", there are links to "Terms & Condition", "Privacy", "Advertise", and "Join as Doctors". Under "Our partner", there are links to "One-Fitness", "One-Drugs", "One-Live", and "One-Healthcare". Under "Contact", there are address and phone number details: "351 Willow Street Franklin, MA 02038" and "701-573-7582", along with an email address "healthcare@temporary.net". Below these, there is a "Social Media" section with icons for Facebook, Twitter, Google+, Instagram, and LinkedIn. A copyright notice "Copyright © 2020 MACode ID. All right reserved" is at the bottom left. On the right side, there is a "Activate Windows" message with a link to "Go to Settings to activate Windows" and a small circular icon.

Company	More	Our partner	Contact
About Us	Terms & Condition	One-Fitness	351 Willow Street Franklin, MA 02038
Career	Privacy	One-Drugs	
Editorial Team	Advertise	One-Live	701-573-7582
Protection	Join as Doctors		healthcare@temporary.net

Social Media

f t G+ i

Activate Windows
Go to Settings to activate Windows ^

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4-Reports:

Reports of our project will result from running of databases queries as shown in the images:

Doctor Name	Phone	Speciality	Room Number	Image	Delete	Update
Mark	24586321	Heart	5		<button>Delete</button>	<button>Update</button>
Sam	51487446	Eyes	8		<button>Delete</button>	<button>Update</button>
Kevin	47892152	Dentistry	1		<button>Delete</button>	<button>Update</button>
Emma	32147646	Skin	2		<button>Delete</button>	<button>Update</button>

Activate Windows
Go to Settings to activate Windows.

After adding doctors name in the database , that is the result that will be shown.

2-

Patient Name	Email	Phone	Doctor	Date	Message	Status	Approved	Canceled
salma	salma@gmail.com	498685	Mark	2022-05-04	heart ache	canceled	<button>Approved</button>	<button>Canceled</button>
Mariam	mariam.ahmed.382001@gmail.com	498685	Alex	2022-05-13	Tooth ache	canceled	<button>Approved</button>	<button>Canceled</button>
Hasnnaa	Hasnnaa@gmail.com	87587874	Sam	2022-05-18	My eyes hurt	canceled	<button>Approved</button>	<button>Canceled</button>

Activate Windows
Go to Settings to activate Windows.

After patient registered into form then the database shown will be in that result.

3-

The screenshot shows a web interface for a medical application. At the top, there is a navigation bar with links for 'One-Health' (highlighted in green), 'Enter key' (with a magnifying glass icon), 'Home', 'About Us', 'Doctors', 'News', 'Contact', and 'My Appointment'. Below the navigation bar, there is a large, mostly blank light gray area. In the center, there is a dark rectangular box containing a table with the following data:

Doctor Name	Date	Message	Status	Action
Sam	2022-05-18	My eyes hurt	anceled	Cancel

Below the table, there is a small message: "Activate Windows Go to Settings to activate Windows." A vertical scrollbar is visible on the right side of the page.

The result of get in touch form with doctors , the result of this query as shown.

4- System vision:

- To provide an integrated Solution for the Hospital, which Helps in Efficient Management of the Hospital? Enhance Patient Care Improve work efficiency Improve Fiscal Control Eliminate the chances of any Pilferage Enable the Growth of the Hospital.
- As to help patients to know dealing with computerized system.

5- System Capabilities

Stakeholders

Admin: those individual/s which manage the system

patients: those individuals who use this system to make an appointments, get in touch with doctors

doctors: those who help patients.

Activities of Stakeholders

Patients: register into system, make an appointment, get in consult with doctors, follow patient latest news

Admin: manage system operations, Add doctors, view appointments, generate reports, manage database

Doctors: help patients

Physical locations the system will be used: As hospital but computerized

Technology

Internet Service Provider

Computers/Laptops

Visual studio code

Laravel php framework

Website/Browser Based: html, css, javascript ,bootstrap

Database design, mySQL, phpMyAdmin.

6-Non-Functional Requirements

Security: a secure portal login will ensure security for all stakeholders

Reliability: ensuring that software & hardware will perform the required tasks

Usability: the modified website interface and the internal database system designed to be user friendly and straightforward

Extensibility: the client has stated that the organisation will one day be handed over therefore the system will be built in a way that future growth can occur