



Ibn Sina
Hospita

HOSPITAL MANAGEMENT SYSTEM.

KING SAUD UNIVERSITY
COLLEGE OF COMPUTER AND INFORMATION
SCIENCES
DEPARTMENT OF SOFTWARE ENGINEERING

Course Code / Title: SWE-381 /Applications
Development

Instructor: Dr. Mashael Maashi

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Section No#: 46440

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PROJECT GROUP MEMBERS:

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Work Distribution:

Functions	Alia	Abeer	Fouz	Hussa	Hadeel
Doctor:					
Sign in/Sign out.		✓			
Request laboratory test.	✓				
Issue subscription to Pharmacy.	✓				
View laboratory results.					✓
Access and view the patient medical file.	✓				✓
Search for a specific patient.	✓				
Patient:					
Sign in/Sign out.		✓			
Update the account information.			✓		
Request for an appointment for a specific doctor.			✓	✓	
Change/ cancel a booked appointment.			✓		
Search for a specific doctor.				✓	
Request for a medical report.				✓	
View his/ her medical report.				✓	
View the list of doctors in each specialty.		✓			
View the history of appointments to him/her previously visited.		✓			

ISSUED FACED BY TEAM MEMBERS:

First, we had a problem to have a time to work that's suitable for all group members, so we had to stay in university after our lectures to late hours. Secondly, we had other projects for other courses to work on, so we make a schedule to distribute the tasks and organize our time between the projects. Finally, lack of experience and knowledge made working in the database part a demanding task.

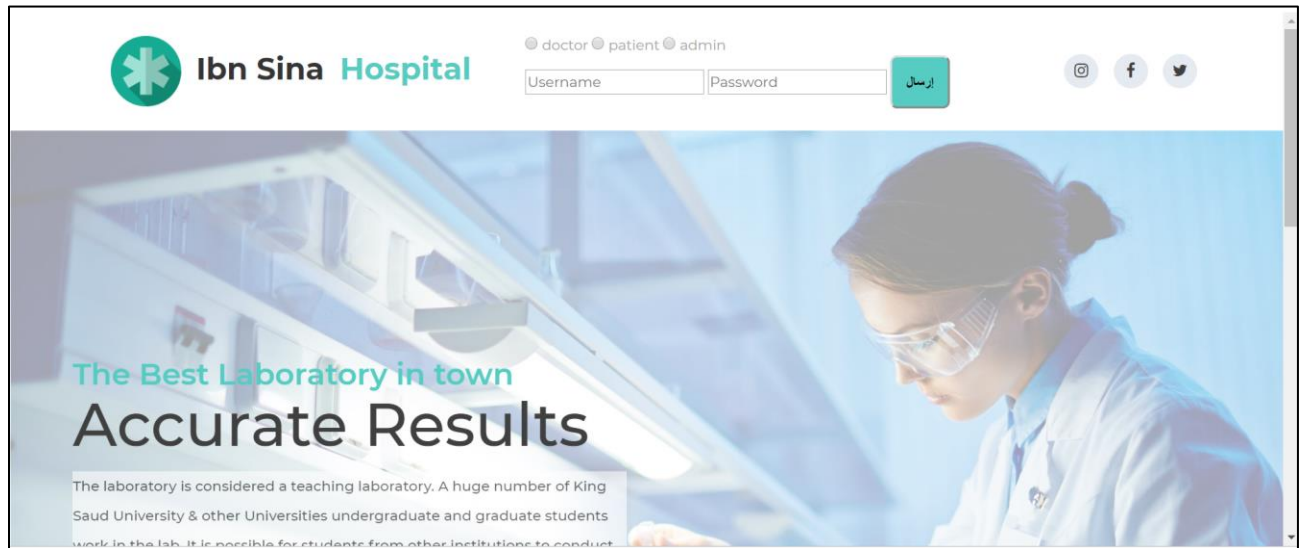
FILE NAMES AND THEIR PURPOSES:

File Name	Purpose
index.php	The home page for Ibn Sina Hospital that view the hospital services and information's, Also, it provides a field to log in either as doctor or as a patient.
DoctorPage.php	The home page for the doctor after he/she signed in, it contains the main functionality that the doctor can do such as Appointment calendar, Patients list, Request a Test.... etc.
AllPatients.php	This page is for Doctor's Patients list, contains information about the patients such as name, file number, age...etc. Also, it has a search bar to search in the list.
ReqTest.php	This page is for Request a test from the laboratory, it contains a form that will be filled with the required information by the doctor to send it to the laboratory.
ReqMedicine.php	This page is for Request a medicine from the pharmacy, it contains a form that will be filled with the required information by the doctor to send it to the pharmacy.
medReport.php	this page is for view and request a medical report, it contains information such as doctor's name, medicine's name and another details.
searchDbyName.php	this page is for view all doctors, it contains information such as doctor's name, office number, phone number and the clinic where he works.
Appointmentform.php	This page allow patient to request a new appointment by choose date , time, clinic and doctor name .

Patientinfo.php	This page display patient's information such as file number, name, city, phone number, gender and age.
patientPage.php	this page is the main page for patient, the patient can access other pages to control or mange his account.
appointmentOfPatient.php	this page shows all appointments also allow patient to change or delete any appointment.
MedcFile.php	The doctor can view the patient's condition such as: drugs, doses, previous tests and their results.
Resultpage.php	The results of the tests that were performed and their results are presented with a clarification of the situation, whether it is nature or not, with the date of analysis and time .

MAIN FUNCTIONALITIES SCREENSHOTS:

- Sign in. (both Doctor & patient)

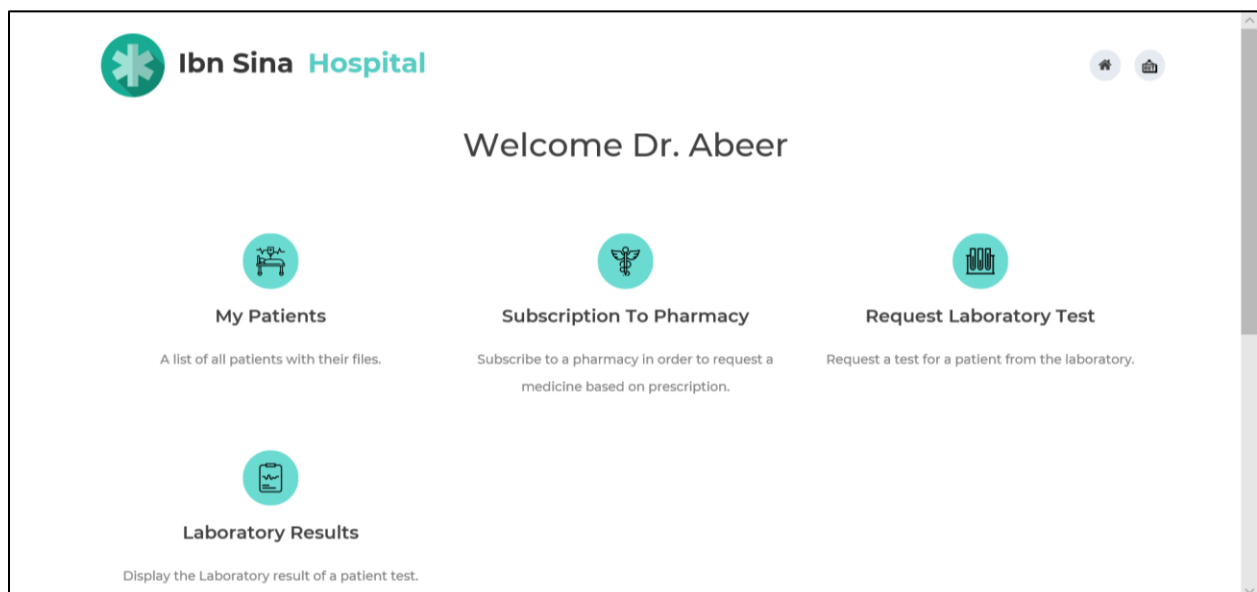


- Sign out. (both Doctor & patient)



Doctor:

*homepage:






- Request laboratory test.


The screenshot shows a web interface for 'Ibn Sina Hospital'. At the top left is the hospital logo, and at the top right are icons for home and a shopping cart. The main heading is 'Fill the Form to Request a Test:'. Below this is a form with the following fields: 'File Number' (text input with placeholder 'Enter Patient's File Number'), 'Doctor User Name' (text input with placeholder 'Enter Doctor's User Name'), 'Test Type' (text input with placeholder 'Enter Test Type'), 'Test Date' (text input with placeholder 'mm/dd/yyyy'), 'Test Time' (time selection dropdown with placeholder '--:-- --'), and 'Special Instructions' (a large text area). At the bottom of the form are two buttons: 'Submit' and 'Clear'.

- Issue subscription to Pharmacy.

The screenshot shows a web interface for 'Ibn Sina Hospital'. At the top left is the hospital logo, and at the top right are icons for home and a shopping cart. The main heading is 'Fill the Form to Request a Medicine from the Pharmacy:'. Below this is a form with the following fields: 'File Number' (text input with placeholder 'Enter Patient's File Number'), 'Doctor Name' (text input with placeholder 'Enter Doctor's Name'), 'Clinic' (dropdown menu with placeholder 'Select Clinic'), 'Medicine Name' (text input with placeholder 'Enter Medicine's Name'), 'Quantity' (text input with placeholder 'Enter Medicine's quantity'), and 'Prescription Details' (a large text area). At the bottom of the form are two buttons: 'Submit' and 'Clear'.

- View laboratory results.





Ibn Sina Hospital




Laboratory Results 

please Enter The Patient File Number

Patient Name:	Test Type:	Result:	Age:	Sex:
Ahmad	Pregnancy test	Positive	43	male
Ahmad	Vitamin D	30,20 Deficient	43	male
Ahmad	Calcium	1.2 Low	43	male
Ahmad	WBCs	8 Normal,17 Hight	43	male

- Access and view the patient medical file.



Ibn Sina Hospital





Medical File 

please Enter The Patient File Number


Patient Name	Age	Sex	Medications taken by the patient:	tests were conducted	The Test Result	Date of test
maha	18	female	ecomi cream	Pregnancy test	Positive	2019-04-30
maha	18	female	Brush	Pregnancy test	Positive	2019-04-30
maha	18	female	ecomi cream	Vitamin D	30,20 Deficient	2019-04-02

- Search for a specific patient.

**Ibn Sina Hospital**



My Patients List:

Name	File Number	Age	Gender	City	Medical File
Ahmad	2222	43	male	Dammam	

Ibn Sina Hospital

Contact Info

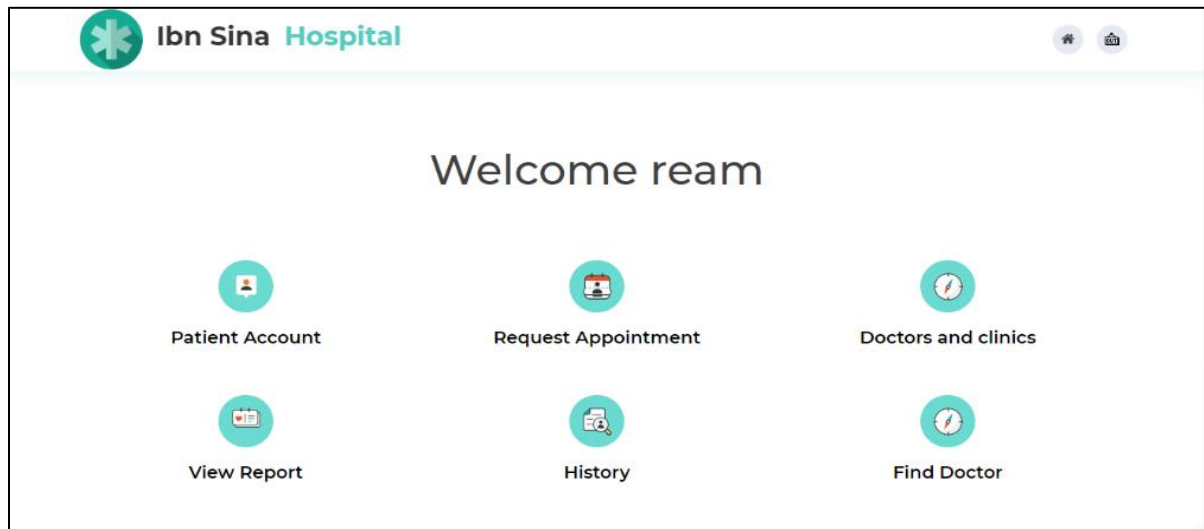
+53 345 7953 32453

Our Locations

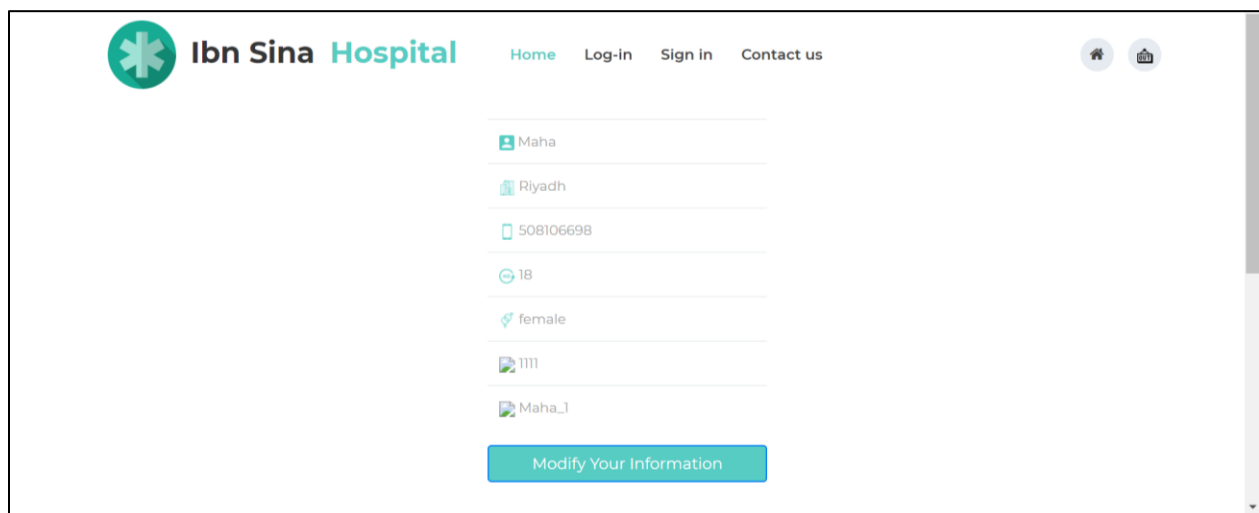
Riyadh

Patient:

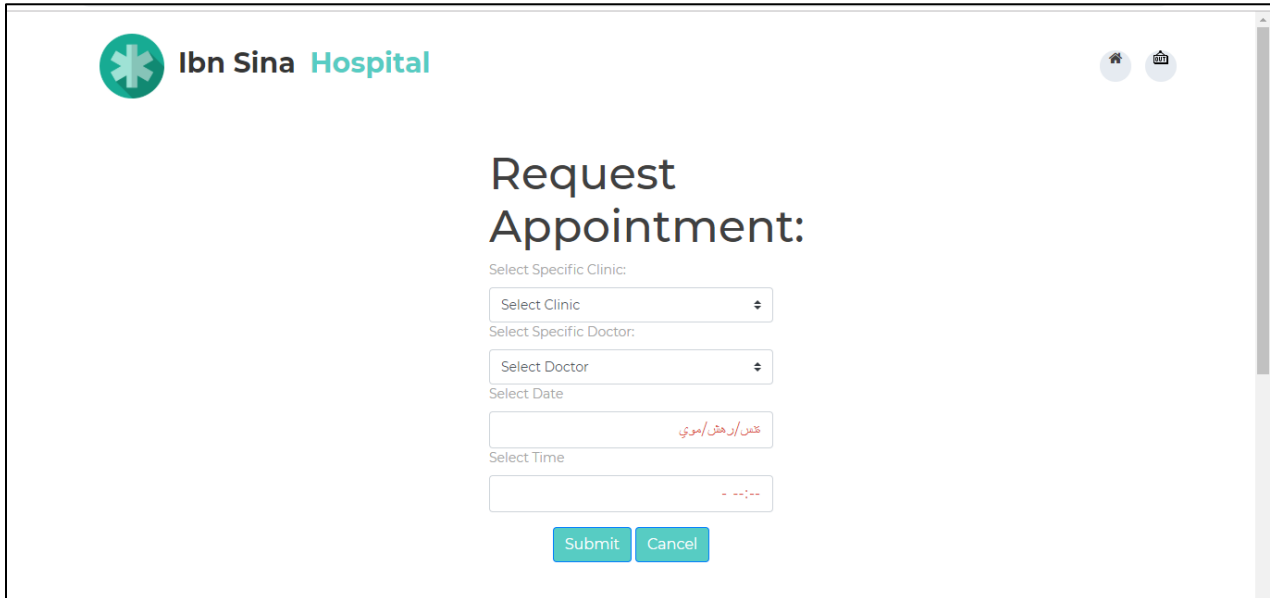
*homepage:



- Update the account information.



- Request for an appointment for a specific doctor.



Ibn Sina Hospital

Request Appointment:

Select Specific Clinic:

Select Clinic

Select Specific Doctor:

Select Doctor

Select Date

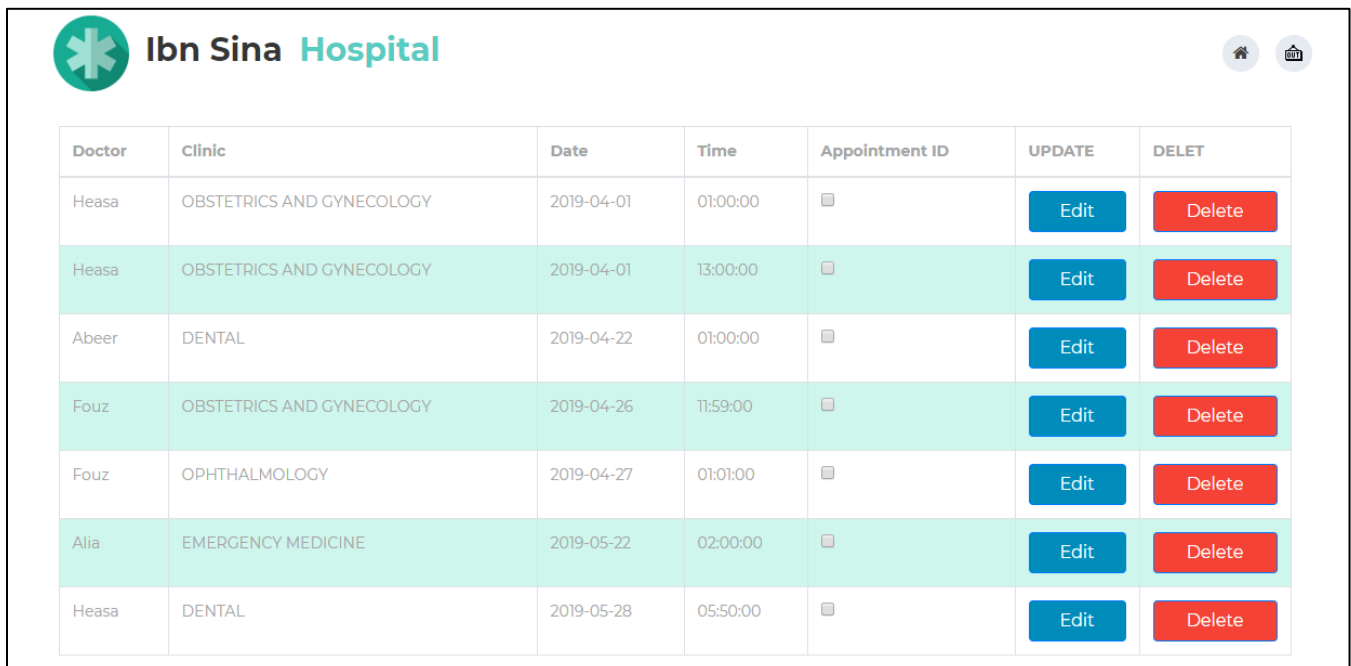
تاريخ الزمعة / موعدي

Select Time

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Submit Cancel

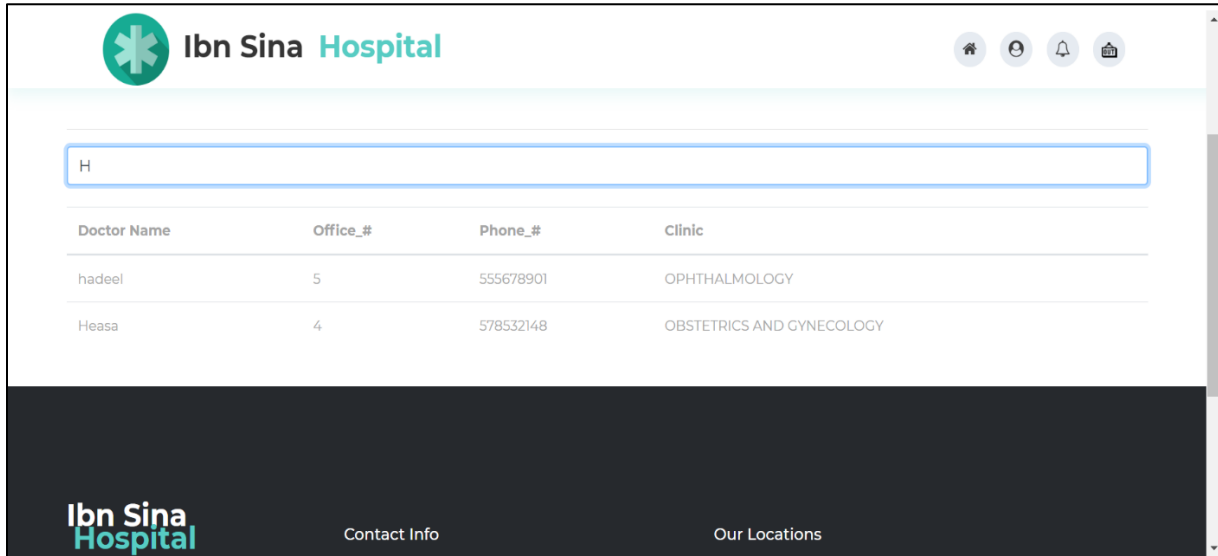
- Change/ cancel a booked appointment.



Ibn Sina Hospital

Doctor	Clinic	Date	Time	Appointment ID	UPDATE	DELETE
Heasa	OBSTETRICS AND GYNECOLOGY	2019-04-01	01:00:00		Edit	Delete
Heasa	OBSTETRICS AND GYNECOLOGY	2019-04-01	13:00:00		Edit	Delete
Abeer	DENTAL	2019-04-22	01:00:00		Edit	Delete
Fouz	OBSTETRICS AND GYNECOLOGY	2019-04-26	11:59:00		Edit	Delete
Fouz	OPHTHALMOLOGY	2019-04-27	01:01:00		Edit	Delete
Alia	EMERGENCY MEDICINE	2019-05-22	02:00:00		Edit	Delete
Heasa	DENTAL	2019-05-28	05:50:00		Edit	Delete

- Search for a specific doctor.



The screenshot shows the Ibn Sina Hospital website. At the top, there is a logo and the text "Ibn Sina Hospital". Below this, there is a search bar containing the letter "H". Under the search bar, there is a table with the following data:

Doctor Name	Office_#	Phone_#	Clinic
hadeel	5	555678901	OPHTHALMOLOGY
Heasa	4	578532148	OBSTETRICS AND GYNECOLOGY

At the bottom of the page, there is a dark blue footer with the text "Ibn Sina Hospital", "Contact Info", and "Our Locations".

- Request for a medical report.



The screenshot shows the Ibn Sina Hospital website with a "Medical Reports" section. A notification box at the top says "Your request have been submitted successfully!!!!" with a "موافق" (Agree) button. Below the notification, there is a search bar with the text "Search..". Under the search bar, there is a table with the following data:

Doctor	Patient Number	Medicine Name	Details	Request a report
Heasa	1111	ecomi cream		request

The browser's address bar shows "localhost موقع" and the page title is "This is Ibn Sina Medical Reports".

- View his/ her medical report.

The screenshot shows the 'Medical Reports' page of the Ibn Sina Hospital website. The header includes the hospital logo, name, and navigation links. The main heading is 'Medical Reports'. Below it is a search bar. A table displays a single report entry for a doctor named Heasa, patient number 1111, and medicine name 'ecomi cream'. A 'request' button is visible next to the entry.

Doctor	Patient Number	Medicine Name	Details	Request a report
Heasa	1111	ecomi cream		<button>request</button>

- View the list of doctors in each specialty.


The screenshot shows the 'Meet Our Doctors' page of the Ibn Sina Hospital website. The header includes the hospital logo and name. The main heading is 'Meet Our Doctors'. Below it is a dropdown menu labeled 'Select Clinic to view the Doctor's names' with 'Family Doctors' selected. A 'View' button is located below the dropdown.








Select Clinic to view the Doctor's names

Family Doctors ▼

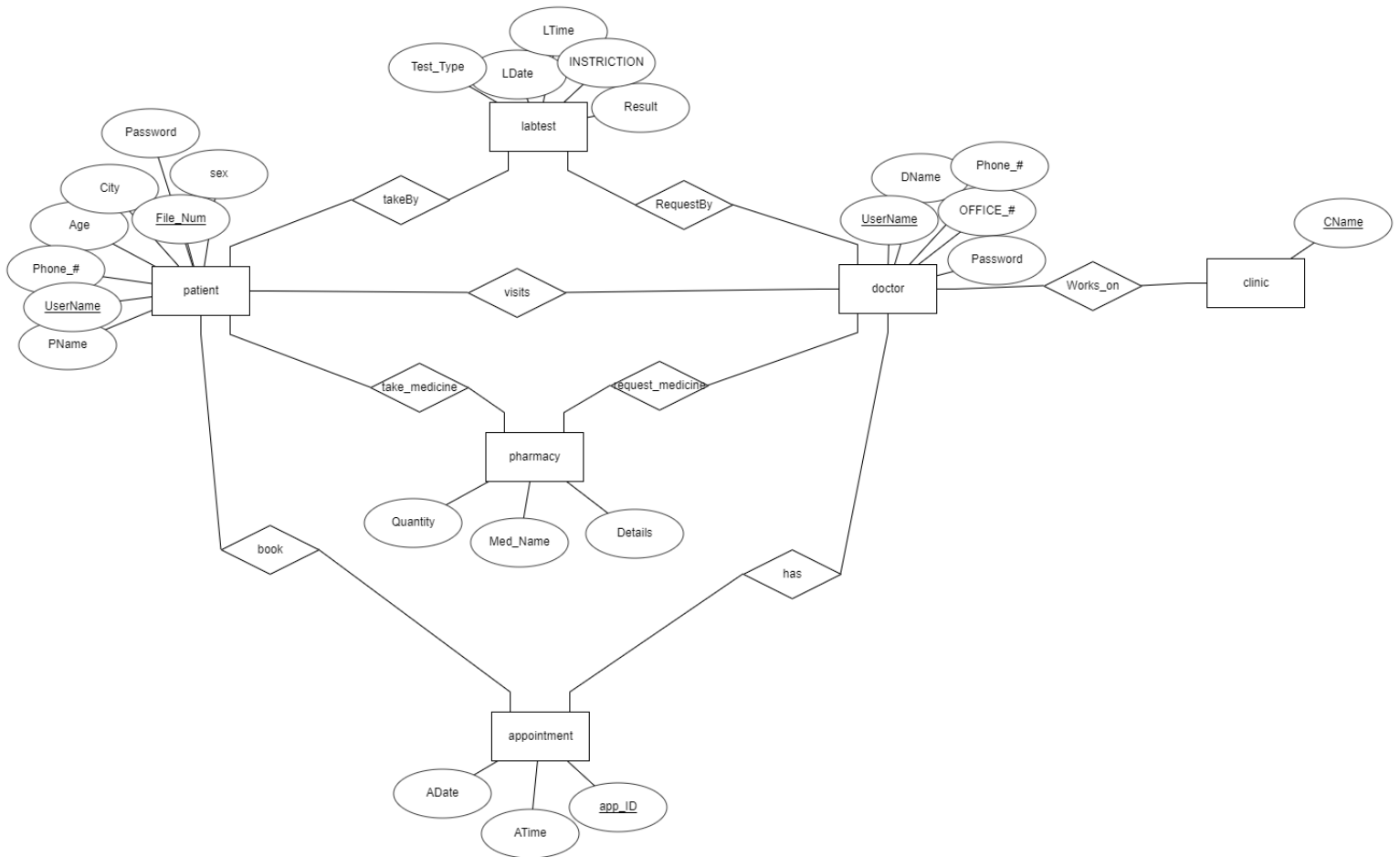
View

- View the history of appointments to him/her previously visited.


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Doctor	Clinic	Date	Time	Appointment ID	UPDATE	DELET
Heasa	OBSTETRICS AND GYNECOLOGY	2019-04-01	01:00:00		Edit	Delete
Heasa	OBSTETRICS AND GYNECOLOGY	2019-04-01	13:00:00		Edit	Delete
Abeer	DENTAL	2019-04-22	01:00:00		Edit	Delete
Fouz	OBSTETRICS AND GYNECOLOGY	2019-04-26	11:59:00		Edit	Delete
Fouz	OPHTHALMOLOGY	2019-04-27	01:01:00		Edit	Delete
Alia	EMERGENCY MEDICINE	2019-05-22	02:00:00		Edit	Delete
Heasa	DENTAL	2019-05-28	05:50:00		Edit	Delete

ENTITY RELATIONSHIP DIAGRAM (ERD):



PAGES ARCHITECTURE DIAGRAM:

