

REPORT ON HOSPITAL MANAGEMENT SYSTEM

PROJECT COURSE

PYTHON PROGRAMMING (INT 213)

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HOSPITAL MANAGEMENT SYSTEM

ABSTRACT: -

This project's Hospital Management system includes registration of patients, storing their details into the system, and computerized their appointment. The software has the facility to give a unique id for every patient and stores the clinical details of every patient and hospital tests done automatically. It includes a search facility to know the status of each patient. Users can search the details of a patient using the id. The Hospital Management System can be entered using a username and password. It is accessible either by an administrator or receptionist. Only they can add data into the database. The data can be retrieved easily. The interface is very user-friendly. The data are well protected for personal use and make the data processing very fast.

ACKNOWLEDGEMENT: -

I would like to thank my teacher MRS. POOJA RANA for her advice and inputs on this project. Many thanks to my friends and seniors as well, who spent countless hours to listen and provide feedbacks.

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INTRODUCTION: -

1.1 Context:

This project has been done as part of my course for the CSE at Lovely Professional University. Supervised by Pooja Rana, I have around 12 days to fulfil the requirements to succeed the module.

1.2 Motivations:

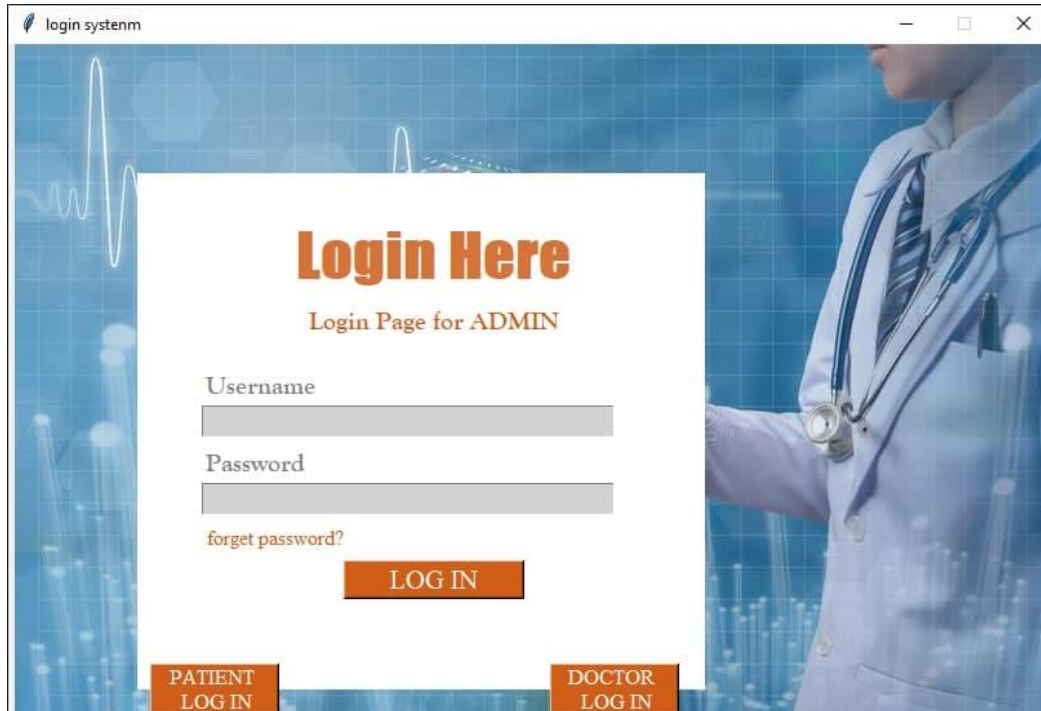
Being extremely interested in everything having a relation with the Python Programming, the group project was a great occasion to give us the time to learn and confirm our interest for this field. The fact that we can make estimations, predictions and give the ability for machines to learn by themselves is both powerful and limitless in term of application possibilities. We can use python programming in Finance, gaming and almost everywhere.

1.3 Idea:

As a first experience, we wanted to make our project as much didactic as possible by approaching every different step of the python programming and trying to understand them deeply. We also referred to various you tube video and took the idea how they have designed the pages.

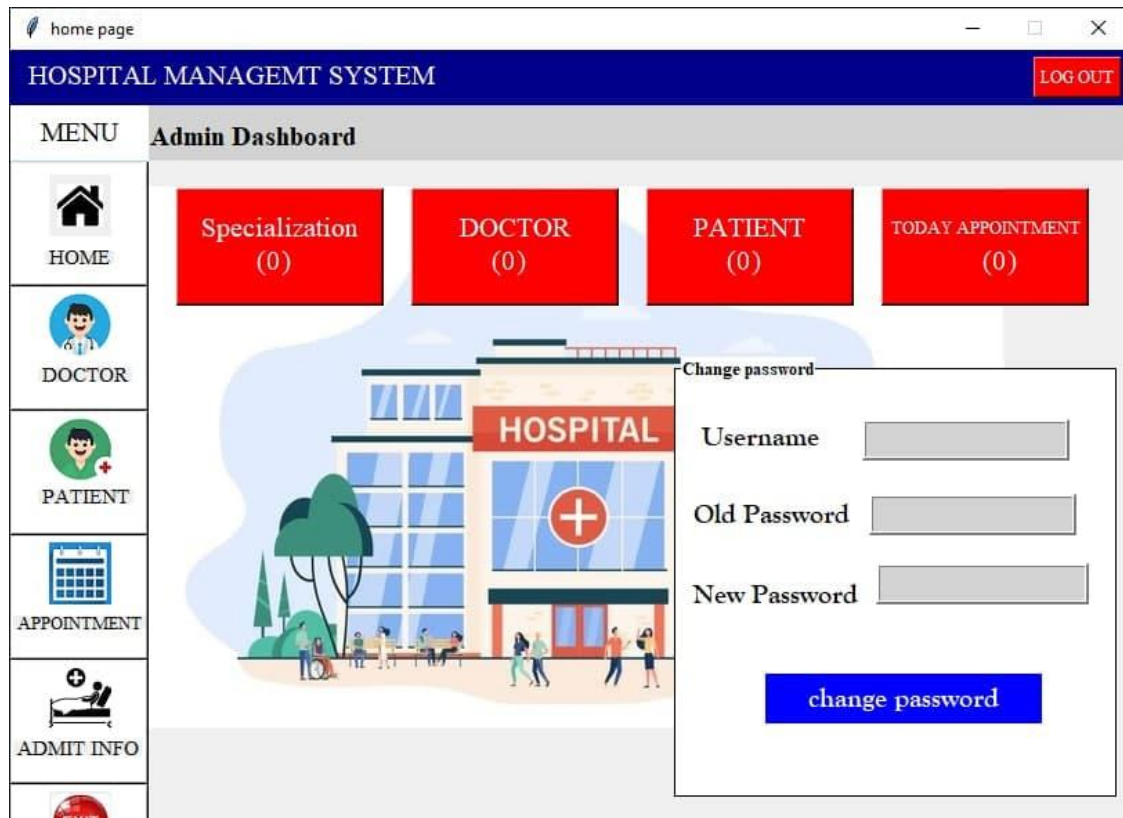
Screenshots: -

Login page: -



A login page through which a user can enter into the site by entering username and password and access different option from home page. If User forget their password, they can get new password from forget password option. Through this page patient and doctor also can visit their respective page through logging into it.

Home page: -



A home page is the main web page of a website. From home page admin/user can get all the information about hospital management, simply admin/user can know about doctor's and their specializations as well as patients' detail can be found on the home page. Number of appointments is also accessible to the user.

If user want to change their respective password, they can directly change their password from home page.

If user want to log out then simply click on log out button top right side.

Or they can simply click on the EXIT button on the bottom left side.

Doctor dashboard: -

The screenshot displays the 'HOSPITAL MANAGEMT SYSTEM' interface. On the left is a 'MENU' sidebar with icons and labels: HOME, DOCTOR, PATIENT, APPOINTMENT, ADMIT INFO, and EXIT. The top navigation bar includes 'login systemm' and window controls. Below this is a header 'HOSPITAL MANAGEMT SYSTEM' and a sub-header with tabs: 'Doctor Dashboard' (active), 'Manage Specialization', and 'Manage Doctor'.

The 'Doctor Dashboard' section is divided into two main areas:

- Add Doctor:** A form with the following fields and buttons:
 - specialization: dropdown menu (showing 'select')
 - Name: text input
 - Consultancy Fees: text input
 - Contact No.: text input
 - Email: text input
 - Address: text input
 - Buttons: Add (blue), Update (green), Clear (orange), Delete (purple)
- Doctor Details:** A section with a search bar 'Enter Doctor Name' and 'Search' (blue) and 'Show All' (orange) buttons. Below is a table with the following columns: ID, specialization, Doctor name, Address, Fee, Contact No., and Email.

In Doctor dashboard, user can insert doctor's detail like their specification, consultancy fees, contact numbers, email id and address also add, Update, Clear and Delete option are also present.

If any user wants find any doctor detail simply they can enter the name and click on the search button after that can find doctor's ID, specification, Doctor name , Address , fees, Contact no. and Email id.

Doctor Specification: -

The screenshot displays the 'Doctor Dashboard' within a 'HOSPITAL MANAGEMT SYSTEM'. The dashboard includes a sidebar menu with options: HOME, DOCTOR, PATIENT, APPOINTMENT, ADMIT INFO, and EXIT. The main content area is divided into two sections: 'Doctor Specialization' and 'All Specialization'.

Doctor Specialization

Enter Doctor Specialization

Input field:

Buttons: Add, Update, Clear, Delete

All Specialization

Search: Search Show All

ID	specialization	creation date
1	dentist	2021-11-09 11:17:17
2	operation	2021-11-09 15:10:33
3	ortho	2021-11-09 11:35:58
4	physio	2021-11-09 11:36:52
5	surgeon	2021-11-09 10:46:12

In this page user can add doctor specialization like if they are dentist, surgeon, orthopaedic surgeon etc. And also, if any user want search about any doctor specialization, they search it from the right side of the page and get their detail.

Patient Page: -

login systemm

HOSPITAL MANAGEMT SYSTEM

MENU

- HOME
- DOCTOR
- PATIENT
- APPOINTMENT
- ADMIT INFO

Manage Patient

Patient Details

Patient Name

Gender

D.O.B

Contact No.

Email

Address

Appoint Doctor

Symptoms

Select to appoint doctor

Enter Date (DD//MM//YYYY)

Enter Time (HH/MM/SS)

Patient Details

Enter Patient Name

ID	Patient Name	Gender	DOB	Contact	Email	Address	Symptoms	Specificat	Doctor	Apt Date	Apt
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In this page we can add the details of the patient like their name, gender, Date of birth, contact number, email id and address. In this same page User can know about the appointed doctor by telling his symptoms and we can add date and time for the patient.

Details of the user can be seen below the page after entering their name with their id, name, Gender, DOB, Contact, Email, Address, Symptoms, Specificat, appointment date .


Appointment page: -


login systemm


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HOSPITAL MANAGEMT SYSTEM


MENU



HOME


DOCTOR


PATIENT


APPOINTMENT


ADMIT INFO


EXIT

Patient | Appointment History

Search Appointment

Patient Name:

Search

Clear

Appointment Menu

Show Today's Appointment

Show All Appointment

Delete All

Delete Today's History

Patient ID	Patient Name	Gender	Patient Contact	Symptoms	Specification	Doctor	Apt Date	Apt Time
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In this page we can simply type the patient's name and search it and we can find everything about that patient.

In Appointment Menu user can find about today's appointment, all appointment of the patient and clear or delete the history of the appointments.

Thank you