

Hospital Management System

End Term Report

by

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Student Declaration

This is to declare that this report has been written by us. No part of the report is copied from other sources. All information included from other sources have been duly acknowledged. We aver that if any part of the report is found to be copied, I/we shall take full responsibility for it.

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BONAFIDE CERTIFICATE

Certified that this project report “FITNESS CLUB” is the bonafide work of “**Luv Bindal ,Divyansh Dadhwal ,Bishal Kumar**” who carried out the project work under my supervision.

<<Signature of the Supervisor>>

<<Name of supervisor>>

<<Academic Designation>>

<<ID of Supervisor>>

<<Department of Supervisor>>

ABSTRACT

The purpose of the project entitled as “HOSPITAL MANAGEMENT SYSTEM” is to computerize the Front Office Management of Hospital to develop software which is user friendly, simple, fast, and cost – effective. It deals with the collection of patient’s information, diagnosis details, etc. Traditionally, it was done manually. The main function of the system is to register and store patient details and doctor details and retrieve these details as and when required, and also to manipulate these details meaningfully. System input contains patient details, diagnosis details, while system output is to get these details on to the screen. The Hospital Management System can be entered using a username and password. Only they can add data into the database. The data can be retrieved easily. The data are well protected for personal use and makes the data processing very fast.

Project Overview :

The features of This Project:

The project consists of two Modules.

Module 1- Patient Form

Module 2- Doctor Appointment

The specifications are: When a patient went into the Hospital, the hospital asks him/her to fill the form, where, the patient fills his/her information. Second, after filling the form, patient checks the doctor availability time, appointment fee and payment option.

The project has 4 Pages,

1) Login page

2) Menu Page

3) Patient Form

4) Doctor Prescription

Introduction

1.1 Background

This website is designed with a simple Architecture and easy to understand content.

1.2 Motivation

The ideas and motivation regarding the theme is pure imagination and creativity of the designer and the attributes are motivated by various other Hotel Management websites and color combinations are well tested and applied on the website with the help of the internet and various color websites which provides you suitable color combination for your designing work. The task given by the faculty is well handled and all the division and attributes are implemented.

1.3 Outcomes

During the designing and coding of the project there were many outcomes. We learned about the designing of the layout of a website. We also experienced some of the new techniques of designing and also learned the importance of the color combination in objects. We also learned to manage code in various steps, classes and objects. To increase the readability and understanding of the user. This project or platform is the result of the education we gained from various areas and our faculty.

1.4 Concrete Goals

The goals are to establish understanding of website designing and coding with help of HTML, CSS etc .To energize the reader with color combination and smoothness

of the web page.To show the various ideas implemented by the designer of the platform.

1.5 Objectives

- 1) Define hospital
- 2) Recording information about the Patients that come.
- 3) Generating bills.
- 4) Recording information related to diagnosis given to Patients.
- 5) Keeping record of the Immunization provided to children/patients.

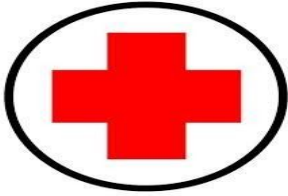
Description

2.1 Header and Navigation Bar



We created a header with the grey color which shows true style and elegance and justifies the design like no other color. At top left corner we attached the logo of our Hospital .The logo contains Inverted Red cross and the logo will be visible at every website Title Tag in header file .

Hospital logo looks like this



Beside the logo there is a navigation bar also which is at the bottom of the header containing section as Add New Patient , Create Prescription , View Database.



Each section has a dropdown menu of their own

Every section and dropdown content has a demo link which onclick just changes the URL but a suggestive link can be added inside the coding easily.

Upper image is the exact illustration of the points described in this section.

```
<header>
  <nav>
    <div class="row">
      
      
      <ul class="main-nav">
        <li><a href="addnewpatient.html"><h4>Add New Patient</h4></a></li>
        <li><a href="prescription.html"><h4>Create Prescription</h4></a></li>
        <li><a href="viewpatients.php"><h4>View Patients Database</h4></a></li>
      </ul>
    </div>
  </nav>
</header>
```


2.2 Content

First of all, we have added images which act as background and provide us the information about the features of the website.



2.3 Add Patient Window.

At the side of Images, we have made an Add patient window where New members can join and book an appointment.

window contains the following information that is to be filled by the user.

Patient ID :

Full Name :

Age :

Gender :

Occupation :

Contact Number

Address



The image shows a web form titled "Patient Info :". It contains several input fields: "Patient ID :", "Full Name :", "Age :", "Gender :", "Occupation :", "Contact Number", and "Address". The "Address" field is a larger text area. Below the fields are two buttons: "ADD" and "RESET". The form is set against a light blue background with a dashed border.

This Add patient window is made of a black background with opacity of 0.7 in which a “REGISTER NOW” is glowing with white colour and at last there is a submit button with blue colour. Class made for Add patient window with following specs:

```
<table width:="50%">
  <tbody>
    <tr>
      <td>Patient ID : <br>
      </td>
      <td><input name="id" type="text"><br>
      </td>
    </tr>
    <tr>
      <td>Address<br>
      </td>
      <td><textarea cols="30" rows="3" name="address"></textarea> </td>
    </tr>
  </tbody>
</table>
```

2.4 Create Prescription Window

Under the **Prescription Window** we added an information table . Under this the prescription which is to be given to patients , will be written by the doctor and will be recommended for future treatment .

window contains the following information that is to be filled by the user.

PRESCRIPTION :

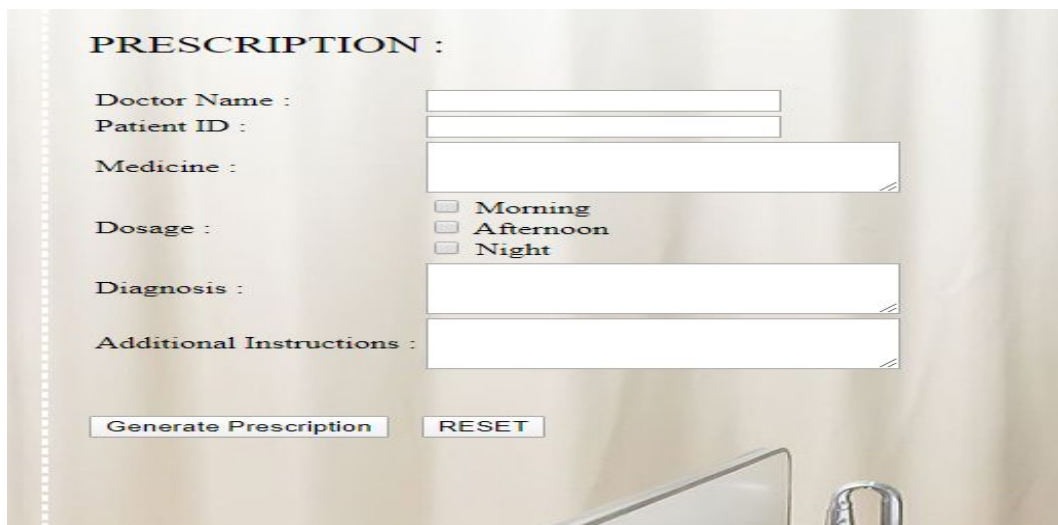
Doctor Name :

Patient ID :

Medicine :

Dosage :

Diagnosis :

A screenshot of a web application window titled "PRESCRIPTION :". The form contains several input fields and a list of options. The fields are: "Doctor Name :" with a single-line text box; "Patient ID :" with a single-line text box; "Medicine :" with a multi-line text box; "Dosage :" with a list of three radio button options: "Morning", "Afternoon", and "Night"; "Diagnosis :" with a single-line text box; and "Additional Instructions :" with a multi-line text box. At the bottom of the form, there are two buttons: "Generate Prescription" and "RESET". The background of the window is a light beige color with a subtle texture.

Under the Prescription Window we added information table which briefly describe the Medicine , Dosage and diagnosis which will be followed by patient and is written by the Doctor .

```

<table width="50%">
  <tbody>
    <tr>
      <td>Doctor Name : <br>
      </td>
      <td><input name="doc_name" type="text"><br>
      </td>
    </tr>
    <tr>
      <td>Dosage : <br>
      </td>
      <td>
        <input name="dose" type="checkbox"> Morning<br>
        <input name="dose" type="checkbox"> Afternoon<br>
        <input name="dose" type="checkbox"> Night<br>
      </td>
    </tr>
  </tbody>
</table>

```

Frameworks and Technologies Used

3.1 Technologies and software

It helps to determine tags and classes and also helps us to choose reasonable indent. It helps us to clean the code which helps us to understand the code better.

3.2 MYSQL & PHP , Why to use?

MySQL is developed, distributed, and supported by Oracle Corporation. MySQL is a database system used on the web it runs on a server. MySQL is ideal for both small and large applications. It is very fast, reliable, and easy to use. It supports standard SQL. MySQL can be compiled on a number of platforms.

Why to use MYSQL?

- Leading open source RDBMS
- Ease of use – No frills
- Fast
- Robust
- Security
- Multiple OS support

PHP

- PHP is an acronym for "PHP Hypertext Preprocessor"
- PHP is a widely-used, open source scripting language
- PHP scripts are executed on the server
- PHP costs nothing, it is free to download and use

Why to use PHP?

- PHP runs on various platforms (Windows, Linux, Unix, Mac OS X, etc.)
- PHP is compatible with almost all servers used today (Apache, IIS, etc.)
- PHP supports a wide range of databases

_ 3.3 Software Requirements: -

- Operating System : Windows XP
- Programming language : HTML , CSS etc
- Database : MYSQL

Work Division

All the designing and work is done by all three of us and all the working hours are used wisely for creativity, implementation, designing, color combinations etc.

1)- **Luv Bindal** – After the completion of the making process of the website, I took the responsibility to make the final project report. Hence, I observed all the coding and final webpage look, and analysed the process of each part of the coding, and the output result of each part and collected all the screenshots and attached to the file accordingly.

2) **Bishal Kumar** –. He took a keen look to the process of making the website and prepared a brief summary of the cooking website.

3)- **Divyansh Dadhwal**- According to the allotment, He studied the topic and made the whole html coding to build the website perfectly. He gave a gorgeous look to our webpage structure by his coding skill

SWOT Analysis

STRENGTHS: capabilities and resources that can be the basis of a distinct competitive advantage.

- capabilities or cost advantages
- cultural connections
- extraordinary reputation
- superior location or geographic advantage

WEAKNESSES: areas that need improvement (or should be avoided). The absence of certain strengths we have in our Hospital Management website . Weaknesses might include:

- absence of marketing plan
- damaged reputation
- lagging in technology
- management or staff problems

OPPORTUNITIES:

- a market vacated by a competitor
- availability of new technology
- changes in population profile or need
- Competitor vulnerabilities
- lack of dominant competition
- new market segment that offer improve profit
- new vertical, horizontal, or niche markets

THREATS: anything that stands in the way of your success. we can include or improvise with time and decrease threat.A competitor has an innovative product or service

- adverse changes in reimbursement or regulations
- economic shifts
- loss of key staff or associates
- new or increased competition