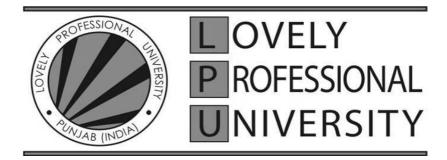
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#### **Project Report**

on

[Hospital Management System]

Submitted to

Miss Ruchita Duggal

#### LOVELY PROFESSIONAL UNIVERSITY

in partial fulfillment of the requirements for the award of degree of

**Bachelor of Computer Science and Engineering** 

Submitted By
[GURJEET SINGH]
[11802292]

Submitted to [RUCHITA DUGGAL]

# CHAPTER 1 INTRODUCTION

# **1.1** ABOUT THE PROJECT:

The Hospital Management System(HMS) is a prototype of an Official Website APOLLO HOSPITALS(<a href="https://apollohospitals.com">https://apollohospitals.com</a>).It is a biggest website among most sites on the Internet till date.

#### **1.2** SYNPOSIS OF APOLLO HOSPITALS:

Apollo Hospitals Enterprise Limited is an Indian hospital chain based in Chennai, India. It was founded by Prathap C. Reddy in 1983 as the first corporate healthcare provider in India. Several of the Apollo's hospitals have been among the first in India to receive international healthcare accreditation by the America-based Joint Commission International (JCI) as well as 13 NABH National Accreditation Board for Hospitals & Healthcare Providers hospitals. In addition to providing hospitals, Apollo has developed services in telemedicine, after starting a pilot project in 2000 at Aragonda, Prathap Reddy's home village. Apollo signed a 'memorandum of understanding' with Health Education England in April 2017 to provide a large number of doctors to fill vacancies in the English National Health Service. Apollo Hospital was founded in the city of Kochi, in association with Adlux Angamaly, the Apollo Adlux Hospital near Cochin International Airport.

# **1.3** HIGHLIGHTS OF WEBSITE:

# 1.3.1 HOME PAGE:

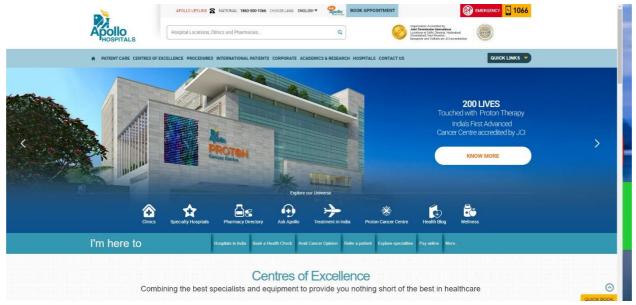


Figure 1.1

# 1.3.2 PATIENT PAGE:

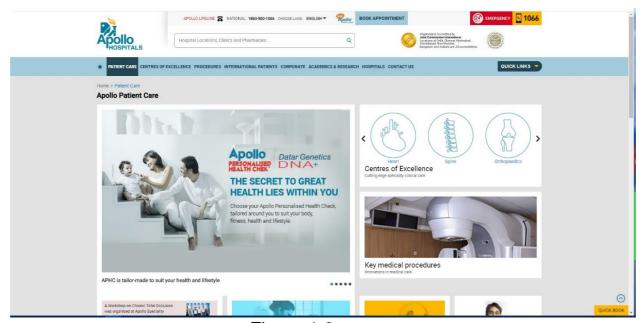


Figure 1.2

# 1.3.3 CAREER PAGE:

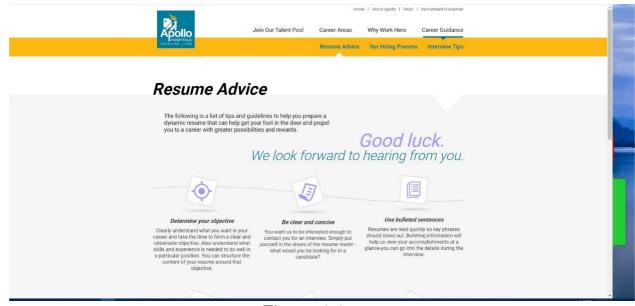


Figure 1.3

# 1.3.4 CONTACT PAGE:

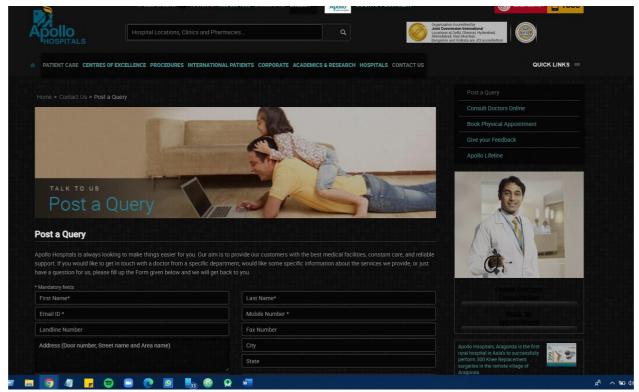


Figure 1.4

# 1.3.5 HOSPITALS PAGE:

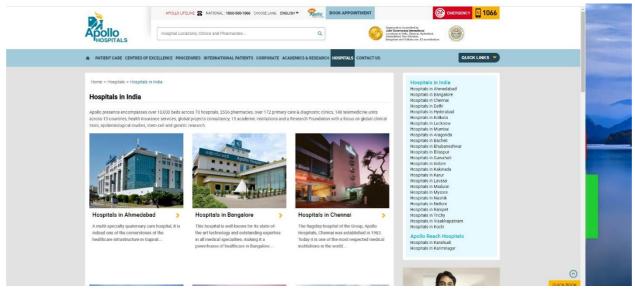


Figure 1.5

# CHAPTER 2 MODULES

# **2.1 PAGES:**

#### **2.1.1 HOME PAGE:**

- It is the homepage of the whole HMS.
- It has various css elements.
- It has some basic and most commonly used entities of a website, such as NAVBAR,HEADINGS, SLIDESHOWS,FOOTERS, IMAGES,DIVISIONS, etc.
- It has some codes of javascript as well.

- The Styling of the webpage is purely in css format.
- The CSS Files are separately attached with it.

## 2.1.2 PATIENT PAGE:

- This page is most helpful page of the whole website.
- It contains all information about the patient and care services.
- It has all the information needed such as availability of beds, rooms, doctors, specialists, etc.
- It has the styling of most popular fonts and text-styles with so much of different colors.
- The most used tag in this page is table tag which contains all the data in the tabular form.
- The Styling of the webpage is purely in css format.

## 2.1.3 OPD SCHEDULE PAGE:

• This webpage consider all the information about the opd schedule.

- It has more deeper implementation of css, such as using the heading tag in the full width with the beautiful background and embedding of content with background.
- The most used tag in this page is table tag which contains all the data in the tabular form.
- The Styling of the webpage is purely in css format.

#### 2.1.4 SPECIALISTS PAGE:

- This webpage helps us to know about the specialists of our Hospital.
- The Division(<div>) tag is widely used in this webpage.
- The Styling of the webpage is purely in css format.
- Content -alignment is also done with the use of div tags to make it looks similar.

# 2.1.5 CAREER PAGE:

• This webpage contains the information about the Interview Process for hiring in apollo hospitals.

- The Mobile-First Site Builder Bootstrap is used in this webpage.
- The Styling of the webpage is purely in css format.
- Content -alignment is also done with the use of div tags to make it looks similar.

#### 2.1.6 LOG-IN PAGE:

- This Page gives to access to the website through some javascript coding.
- The page contains two divs(<div>)
  tag elements which contain a log in
  form.
- We have to put the email-address in the email address field and password in the password field respectively.
- The values are then compared with the java script code to check whether email is correct or not. It validates with the official pattern of email, i.e. <a href="mailto:abc@xyz.co">abc@xyz.co</a>. If it matches then you are redirected to

the website, otherwise you will be shown a alert of You have entered an Invalid Email Address.

- Java scripts functions are used in this to overcome any errors in code.
- The Styling of the webpage is purely in css format.

#### 2.1.7 SIGN-UP PAGE:

• This page is similar to the login page, the only difference is we have to submit the personal details in order to access the website(like name,dob,gender,email,city,state,etc).

# 2.2 CSS:

# 2.2.1 Bootstrap.min:

- This is most widely used bootstrap file,.
- It gives us so many uniqueness, precision in order to create webpages.
- The file is downloaded from the https://getbootstrap.com website.

# 2.2.2 Style:

- This file contains all the styling of the website. From the navbar to footer and more difficult classes to code which are used in all over website.
- The file is in css format and is created locally.
- The id, classes, tags all are styled in this particular file.

# 2.2.3 form-style:

- It is the basic css file to stylize the login and sign up form separately as it contains some java script coding.
- The file is in css format and is created locally.
- The id, classes, tags all are styled in this particular file.

# **2.3 ICONS:**

It has all the icons that are or can be used to give every webpage an icon . It has 8 different colors icons, Each of its can be used to highlight website. The LOGO of the icon is the Big H.

# **2.4 IMAGES:**

It has all the images that are used in all the webpages. Each of the image is downloaded from the official website to create real case scenario.

# **3.TECHNOLOGY USED:**

### **3,1 HTML:**

- Hypertext Markup Language (HTML)
   is the standard markup language for
   documents designed to be displayed
   in a web browser. It can be assisted
   by technologies such as Cascading
   Style Sheets (CSS) and scripting
   languages such as JavaScript.
- Web browsers receive HTML documents from a web server or from local storage and render the documents into multimedia web pages. HTML describes the structure of a web page semantically and originally included cues for the appearance of the document.
- HTML elements are the building blocks of HTML pages. With HTML

constructs, images and other objects such as interactive forms may be embedded into the rendered page. HTML provides a means to create structured documents by denoting structural semantics for text such as headings, paragraphs, lists, links, quotes and other items. HTML elements are delineated by tags, written using angle brackets. Tags such as <img /> and <input /> directly introduce content into the page. Other tags such as surround and provide information about document text and include other tags as sub-elements. Browsers do not display the HTML tags, but use them to interpret the content of the page.

# 3.2 CSS:

 Cascading Style Sheets (CSS) is a style sheet language used for describing the presentation of a document written in a markup language such as HTML.[1] CSS is a cornerstone technology of the World Wide Web, alongside HTML and JavaScript.[2]

- CSS is designed to enable the separation of presentation and content, including layout, colors, and fonts.[3] This separation can improve content accessibility, provide more and control in flexibility the of specification presentation characteristics, enable multiple web share formatting to pages specifying the relevant CSS in a separate .css file which reduces complexity and repetition in the structural content as well as enabling the .css file to be cached to improve the page load speed between the pages that share the file and its formatting.
- Separation of formatting and content also makes it feasible to present the same markup page in different styles for different rendering methods, such as on-screen, in print, by voice (via

speech-based browser or screen reader), and on Braille-based tactile devices. CSS also has rules for alternate formatting if the content is accessed on a mobile device.[4]

#### 3.3 JAVASCRIPT:

- JavaScript often abbreviated as JS, is a programming language that conforms to the ECMAScript specification.[7] JavaScript is highlevel, often just-in-time compiled, and multi-paradigm. It has curlybracket syntax, dynamic typing, prototype-based object-orientation, and first-class functions.
- Alongside HTML and CSS,
   JavaScript is one of the core
   technologies of the World Wide
   Web.[8] JavaScript enables
   interactive web pages and is an
   essential part of web applications.
   The vast majority of websites use it
   for client-side page behavior,[9] and
   all major web browsers have a

dedicated JavaScript engine to execute it.

multi-paradigm As a language, event-driven, JavaScript supports functional. imperative and lt programming styles. has application programming interfaces (APIs) for working with text, dates, regular expressions, standard data structures, and the Document Object Model (DOM). However, the language itself does not include any input/output (I/O), such as networking, storage, or graphics facilities, as the host environment (usually a web browser) provides those APIs.

# 3.4 BOOTSTRAP:

 Bootstrap is a free and open-source CSS framework directed at responsive, mobile-first front-end web development. It contains CSSand (optionally) JavaScript-based design templates for typography, forms, buttons, navigation, and other interface components.

 Bootstrap is the seventh-moststarred project on GitHub, with more than 142,000 stars, behind freeCodeCamp (almost 312,000 stars) and marginally behind Vue.js framework.

# **4.SCREENSHOTS:**

## **4.1 CODE SNIPPETS:**

# **4.1.1 INDEX PAGE(HOME PAGE):**

```
disk rel="stylesheet" href="../css/style.css">

disk rel="stylesheet" href="../css/style.css">

disk rel="stylesheet" href="../css/style.css">

disk rel="icon" href="../lcoms/fericon.ico">

disk rel="icon"
```

#### 4.1.2 PATIENT PAGE

## **4.1.3 OPD SCHEDULE PAGE:**

#### **4.1.4 SPECIALISTS PAGE:**

```
ar i.g., Surgical Gastroenterology - Chennal
     Authored the Book "STOMA CARE" - first time in the world for Colorectal Surgeons, G.I.Surgeons, Surgical Oncologists, Enterostomal therapy nurses and Ostomates. The book is foreworded by Dr. Prat
     Colorectal
     Surgeon, Cleveland Clinic, USA.
div class="diagram">cimg src="../images/a.jpg" class="diagram-img">c/div>
div class="was" style="background-image:url('../images/background-2.jpg');">
 <hr size="4px" color="green">
 <h1>
   <center>Cardiologists:<center>
 <hr size="4px" color="green">
<br/><br><br/><br/><br/><br/><br/>
</div>
<b>Dr. Anurakti Dev Singla, Pediatric Cardiology - Ludhiana
    Chapters contributed to text books
''A Comprehensive Approach to Congenital Heart Diseases'', Jaypee Brothers, Chapter Pulmonary atresia with Ventricular Septal Defect, 2013.
     Transcatheter device closure of patent ductus arteriosus without arterial access- Single institution experience (Original article), Gaurav Garg, Anurakti Srivastava, Himanshu Tyagi, Sridhar P. Re
     issue 65 (2013), pp 546-551.
 </div>
<div class="diagram"><img src="../images/b.jpg" class="diagram-img"></div>
```

#### **4.1.5 CAREER PAGE:**

```
<div style="height:300px; width:30%; float:left; margin:10px;">
   <center><img src="../images/bullet-sent-ic.png" style="height:80px; width:150px;" /></center>
   center/strong/sluse bulleted sentences//is/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/strong><br/>Coenter/str

<
       <div style="height:300nx: width:30%: float:left: margin:10nx:">
   Our Style= meaght:seoph; wauth:sea; Tidatiert; meaghn!spx; > 
<center>clmg src="../images/highlight-ic.npg" style="height:80px; width:150px;" /></center>
<center>cstrong>cl>Highlight your strengths(l></strong>cbr>cbr>
           Put the strong and most relevant points first. This is your hook for the reader, the rest of your resume reels them in.
</div>
<div style="height:300px; width:30%; float:left; margin:10px;"></div</tr>
   <center><img src="../images/be-positive-ic.png" style="height:80px; width:150px;" /></center>

           </div>

<
       <center><strong><i>Create a concise format<i></strong><br><br></pr>
           A resume should be limited to one page unless you have more than 7 years of work experience. Make certain you're using the space to your full advantage. The font size should be no small fonts with nienty of space between lines and in the margins
```

# **4.1.6 LOG-IN PAGE:**

```
class="submit"><center><input type="submit" name="submit" value="Submit" onclick="ValidateEmail(document.form1.text1,document.form1.text2)" /></center>
class="submit"><center><iniput type="submit" name="submit" value="Submit" onclick="ValidateEmail(document.form1.text1,document.form1.text2)" /></center>
class="submit"><center><iniput type="submit" name="submit" value="Submit" onclick="ValidateEmail(document.form1.text1,document.form1.text1,document.form1.text1,document.form1.text1,document.form1.text1,document.form1.text1,document.form1.text1,document.form1.text1.focus();
    return false;
    }
}
</script>

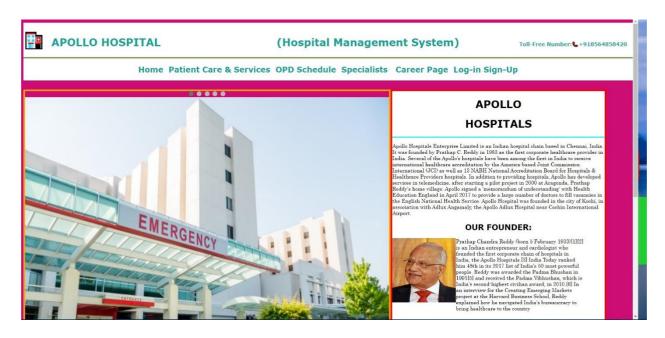
ody>
```

#### 4.1.7 SIGN-UP PAGE:

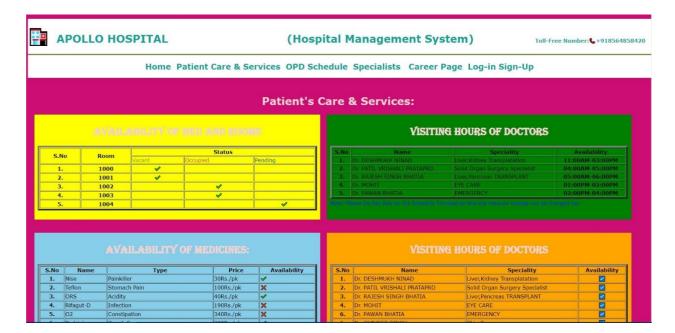
```
| Company | Comp
```

# **4.2 OUTPUTS:**

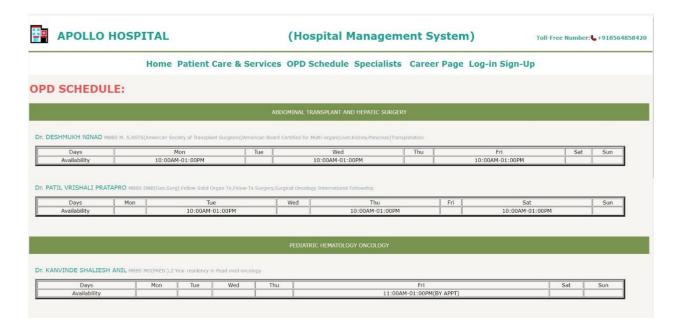
# **4.2.1 HOME PAGE:**



## **4.2.2 PATIENT PAGE:**



#### **4.2.3 OPD SCHEDULE PAGE:**



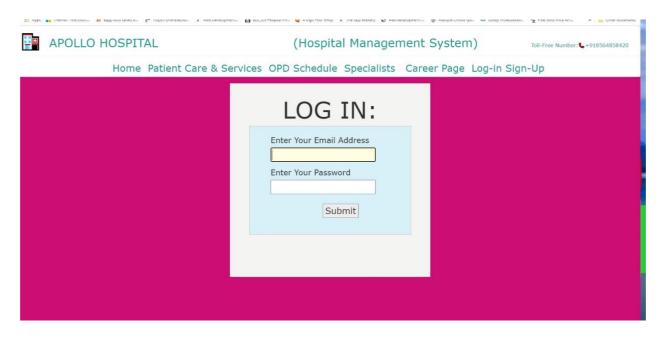
## **4.2.4 SPECIALISTS PAGE:**



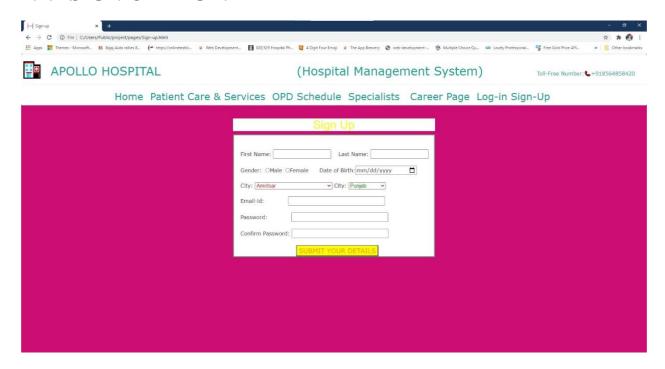
#### **4.2.5 CAREER PAGE:**



#### 4.2.6 LOG-IN PAGE:



#### **4.2.7 SIGN-UP PAGE:**



# 5.LINKS:

#### 5.1 GITHUB LINK:

https://github.com/Gurjeets934/hms.git

#### 5.2 VIDEO LINK:

https://drive.google.com/file/d/1S76nzSn-Lco-I4kB-GMQ7xiirfndMGWp/view?usp=sharing

# 6.REFERENCES:

https://wikipedia.org

https://google.com

https://apollohospitals.com