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Project Report:

Website of Hassle Free Health Care

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• The importance of Healthcare

Health care is the improvement of health via the prevention, diagnosis, treatment, amelioration or cure of disease, illness, injury, and other physical and mental impairments in people.

Health care is delivered by health professionals and allied health fields. Medicine, dentistry, pharmacy, midwifery, nursing, optometry, audiology, psychology, occupational therapy, physical therapy, athletic training, and other health professions all constitute health care.

High-quality health cure helps prevent diseases and improve quality of life. Without access to healthcare, people are far more at list Diseases, malnutrition, pregnancy-all can become incredibly dangerous without proper help and support.

The health care sector is one of the most important domains that impacts the entire global population and is closely linked to the development of any country. It also plays a crucial role in how a country is perceived in maintaining economic stability. As such, healthcare systems form a key part of government strategies across the world.

• About Hassle Free Health Care

The project we create for web development is called Hassle Free Health Care. It is a medical category website. The purpose of making this website is to bring current medical services to the doorstep of common people. To that end, we hope to achieve our goals by using our website, and we move toward that goal.

• Languages used in project

This health care project is made up of HTML, CSS, JavaScript, Bootstrap, PHP and MySQL. The website is designed with HTML, CSS, Bootstrap and JavaScript. The backend of the website is built with PHP and MySQL.

• Introduction of HTML

The HyperText Markup Language on HTML is the standard markup language for documents designed to be displayed in a web browser.

- 1.It can be assisted by technologies such as Cascading Style Sheets (CSS) and scripting languages such as JavaScript.
- 2. Web browsers received HTML documents from a web server or from local storage and render the documents into multimedia web pages.
- **3.**HTML describes the structure of web page semantically and originally included cues for the appearance of the document.
- **4.**With HTML constructs, images and other objects such as interactive forms may be embedded into the rendered page.
- **5.**HTML provides a means to create structured documents by denoting structured semantics for text such as heading, paragraphs, lists, links, quotes and other items.

- **6.**HTML elements are delineated by tags written using angle brackets. Tags such and <input> directly introduce content into the page.
- **7.**Other tags such as surround and provide information about documents text and may include other tags as sub-elements.
- **8.**Browsers do not display the HTML tags but use them to interpret the content of the page.

• Introduction of CSS

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

- **1.**CSS is designed to enable the separation of content and presentation, including layout, colors, and fonts.
- **2.**This separation can improve content accessibility; provide more flexibility and content intro specification of presentation characteristics; enable multiple web pages to share formatting by specifying the relevant CSS in a separate.
- **3.** CSS file, which reduces complexity and repetition in the structured content and enable 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.
- 4. CSS also has rules for alternate formatting if the content is accessed on a mobile device. The name cascading comes from the specified priority scheme to determine which style rule applies if more than one rule matches a particular element. This cascading priority scheme is predictable.

• Introduction of Javasript

JavaScript is a high-level often just-in-line compiled language that conforms to the ECMA Script standard. It had dynamic typing, prototype-based object-orientation, and first-class functions.

- **1.**It is multi paradigm, supporting event-driven, functional, and imperative programming styles. It has application programming interfaces (APIs) for working with text, dates, regular impressions, standard data structures, and the Document Object Model (DOM).
- **2.** JavaScript engines were originally used only in web browsers, but are now core components of some servers and a variety of applications.
- **3.**The most popular runtime system for this usage is Node.js. Although Java and JavaScript are similar in name, syntax and respective standard libraries, the two languages and distinct and differ greatly in design.
- **4.**JavaScript contains a standard library of objects, such as Array, Data and Math and a core set of language elements such as operators, control structures and statements core JavaScript can be extended for a variety of purposes by supplementing it with additional objects.

Introduction of Bootstrap

Bootstrap is an HTML, CSS and JavaScript Framework, and it is useful to develop responsive website without rewriting the code for each device or screen. If you code once, it just works for any browser, device and screen.

- 1.Bootstrap has not only HTML/CSS components but also JS components with Bootstrap, you get to use common HTML elements but with a beautiful representation of items.
- 2. Finally, we can use our own theme on top of Bootstrap, making our code the most customizable ever.
- **3.**Bootstrap is a framework that is suitable for mobile-friendly web development. It means the code and the template available on bootstrap are applicable to various screen sizes. It is responsive for every screen size.
- **4.**The framework is for and can be used in 2 ways that are either by downloading the zip files and including libraries/modules of bootstrap in the project pre directly including the URL of bootstrap and using the online version.

• The Introduction of PHP

PHP is a general-purpose scripting language geared toward web development PHP originally stood for personal Home Page, but it now stands for the recursive initialism PHP: Hypertext Preprocessor.

- **1.**PHP Code is usually processed on a web server by a PHP interpreter implemented as a module, a daemon or as a common Gateway Interface (CGI) executable.
- 2.On a web server, the result of the interpreted and executed PHP code-which may be any type of data, such as generated HTML or binary image data-would form the whole or part of an HTTP response, Various web template systems, web content management systems, and web frameworks exists which can be employed to orchestrate or facilitate the generation of that response.
- **3.**Additionally, PHP can be used for many programming tasks outside the web context, such as standalone graphical applications ad robotic drone control.
- **4.**PHP code can also be directed executed from the command line.

• Introduction of MySQL

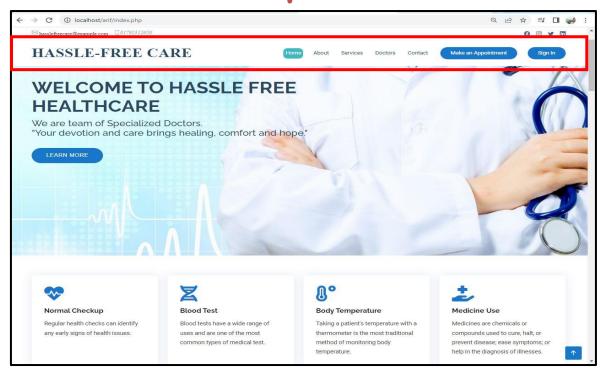
MySQL is an open-source relational database management system (RDBMS). Its name is a combination of "My", the name of co-founder Michael widenius's daughter My, and "SQL", the acronym for structured Query Language.

- 1. A relational database organizes data into one or more data tables in which data may be related to each other; these relations help structure the data.
- 2. In addition to relational databases as well as control user accoss to the database. In addition to relational databases and SQL, an RDBMS like MySQL works with an operation system to implement a relational database in a computers storage system, manages users, allows for networks access and facilitates testing database integrity and creation of backups, MySQL has stand-alone clients that allow users to interact directly with a MySQL database using SQL, but more often, MySQL is used with other programs to implement applications that need relational database capability.



The header contains the name/logo of the website. And the navigation bar in the header (Home, About, Services, Doctors, Contact, Make an Appointment, Sign in) is linked up and the header will be fixed.

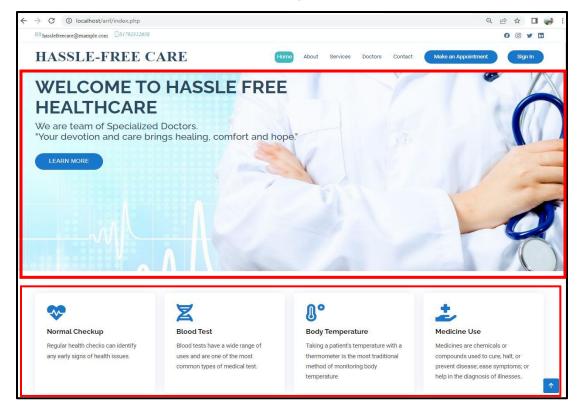
Input:



Home Section

Clicking on the home button in the navigation bar of the header will show the home section of the website.

Input:

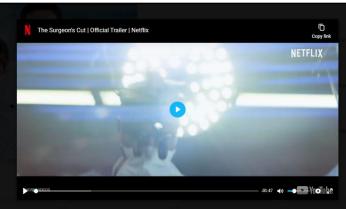


About Section

Clicking on the about button in the navigation bar of the header will show the about section of the website..

Input:





Count Section

Below the about section is the count section. 4 page are linked up in the count section (Doctors, Department, Research, Awards).

Input:

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cl-- COUNT SECTION -->
section id-*Counts* class="counts">
section id-*Counts* class="counts">
div class="rou no-gutters">
div class="rou no-gutters">

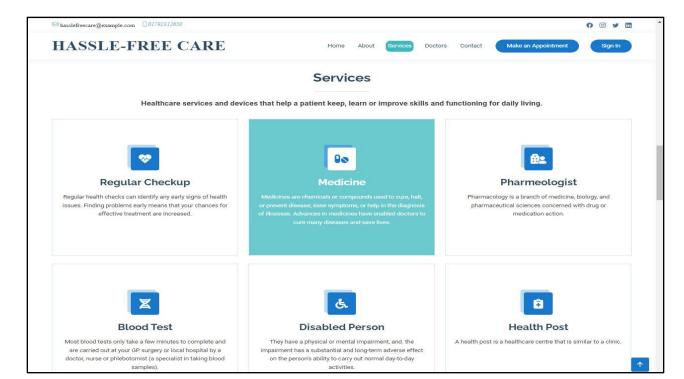
div class="count-low">
div class="fas fa-flask">
div class="count-low">
```



Services Section

Clicking on the Services button in the navigation bar of the header will show the Services section of the website.

Input:



Appointment Section

Clicking on the Make an Appointment button in the navigation bar of the header will show the Appointment section of the website. The data of this appointment form will be added to the database.

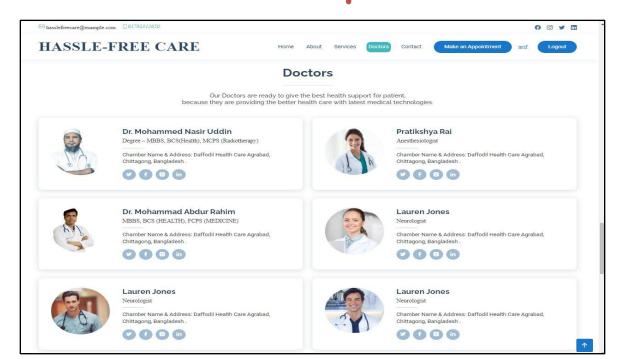
Input:

Make an Appointment We Review And Accept Patient's Requests On A 24/7 Basis. Please, Contact Us Now:					
Your Name	We Review All	Your Email		Your phone	
mm/dd/yyyy	0	Select Age	~	Select Doctor	V
Message(optional)					
					ž

Doctors Section

Clicking on the Doctors button in the navigation bar of the header will show the Doctors section of the website. This section will show some information to doctors.

Input:



Contact Section

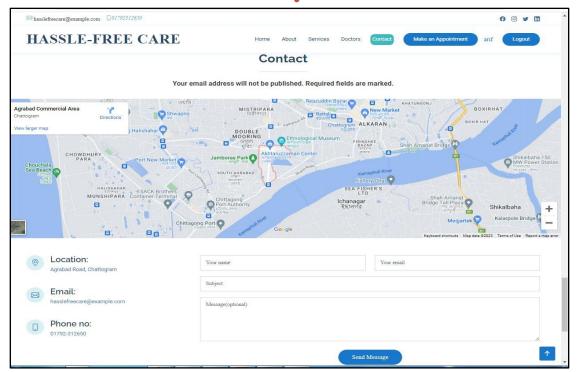
Clicking on the Contact button in the navigation bar of the header will show the Contact section of the website. This section will show some contact information.

Input:

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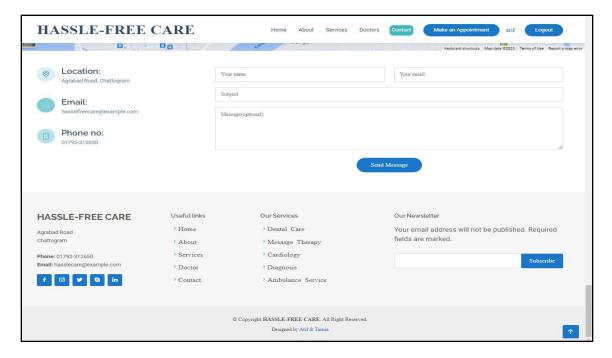
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Footer Section

This section contains all the information about the website.

Input:



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Doctors

A doctor is someone who is experienced and certified to practice medicine to help maintain or restore physical and mental health. A doctor is tasked with interacting with patients, diagnossing medical problems and successfully treating illness or injury. There are many specific areas in the field of medicine that students can study. This article explains what a doctor does, a doctor's earning potential, where they can work and common types of doctors, how to become one and some FAQS.





While healthcare systems vary in their structure and available resources, it is widely recognized that medical doctors play a key role in the adaptation and performance of these systems. Physicians have a unique influence on the utilization of healthcare resources by prescribing treatments and drugs. They can play various formal and informal roles that help creating a rich environment for improved practices and ultimately increase the performance of healthcare organizations.

Studies on health system performance and clinical governance emphasize the importance of strong clinical leadership to drive improvement efforts and initiatives. Hospital performance is increasingly associated with medical specialists taking up tasks beyond direct patient care and develop their co-operation with executive boards. Leadership and engagement of other professionals are also crucial for health system improvement yet, the unique status and influence of the medical profession may require a specific focus of attention. Clinical leadership refers to the engagement and guiding role of physicians in health system improvement.



Research

1.

Every treatment, intervention, medication, way of care, and aftercare in the medical field or health care system came new discoveries. This high quality of care we are oble to experience body was not discovered overnight, but rather threat the control of the co





2.

The general definition of research is, an investigation that is intentionally designed to help develop or contribute to knowledge. Our foundation of care today has been developed only because of medical research. So without this type of focus in research, our health core wouldn't be what it is. Research is essential to find out what treatments work best, and more specifically what treatments work best for what patient.

to certain treatments. The simple fact is that clinical research improves our lives. It leads to significant disc health care, and ensures that patients receive the best care possible.



Department

1. Nursing Department

The nursing department is the organizational structure through which nurses provide nursing care for clients under the jurisdiction of the institution. The nursing department consists of nursing service and nursing education. The primary purpo of the nursing service is to provide comprehensive soft, effective and veil-organical nursing core Proviging the personnel of the department. The personnel consists of nursing superintendent, assistant nursing superintendents, head nurses and staff nurses. All of these are registered nurses, other personnel who function in the nursing service department may include the uxiliary personnel nurse aids and domestics who handle the non-nursing services.



2. Operation Theatre Complex (OT)

ists of one or more operation theatres and other facilities. OT complex must be located in a place where there is Into consists of one of more operation treatives and other foculates. Us complex must be alcored in a place where time is easy and quick occess to the delivery suit. These should be use to need to the control of the

3. Pharmacy Department

Pharmacy is a crucial factor in medical factor. It should be planned and arganized well. The pharmacy department has responsibility for selecting purchasing, compounding, storing and dispensing all drugs and medications. The pharmacy should be under the supervision of a registered pharmacist.



Awards

1.

He word health refers to a state of complete emotional and physical well-being. Healthcare exists to help people maintain this aptimal state of health. Our country's healthcare system is weeker in comparison to other developing and developed nations. The Government of Bangladeth is taking various steps towards to bring healthy livelihood to people of all classes

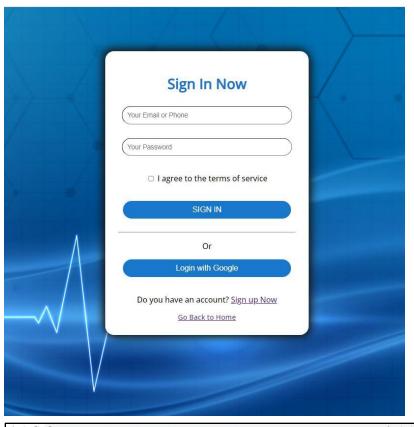


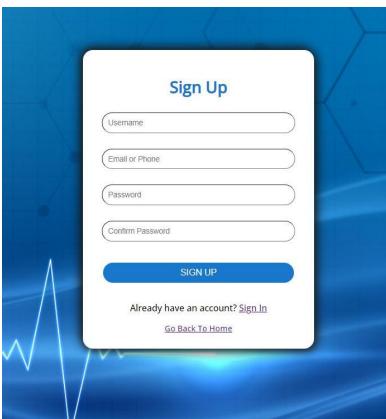


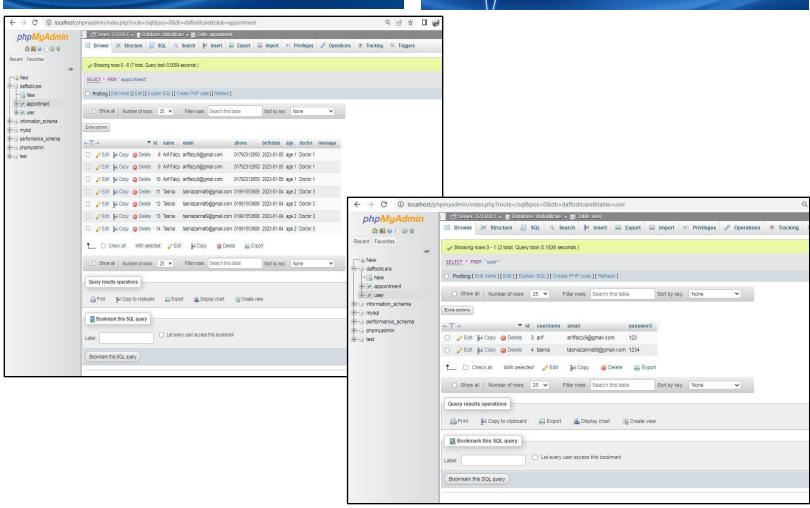
From strengthening of the medical institutions by developing world class infrastructure and training methods to settling up of new hospitals, our politicions are doing the best in the capacities. Brands impact awards are a huge success and have helped large number of professionals and companies to sciolation a strong facilities in the industry.



Database







Project Future Work

The reason for creating this website is that a website is that a website is very important for arguably any healthcare organization in today's world.

In the future we want to make our website bigger. We want it to reach the doorstep of common people. Want to add more new features to the website. There are plans to increase the number of departments of Hassle Free Health Care. On the online platform, patients can be given medical advice at home. I want to add such features. Besides, i want to create a site of online Pharmacy, so that common people can buy their necessary medicines at home.

The End