A Short Technical Report towards A7604 – Web Technologies Course

# HEALTH CARE

Submitted in the Partial Fulfillment of the

Requirements

for the Award of the Degree of

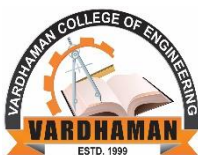## BACHELOR OF TECHNOLOGY

### IN

### INFORMATION TECHNOLOGY

**Submitted**

**By**

**Team No.: 23**

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**VARDHAMAN COLLEGE OF ENGINEERING**

(AUTONOMOUS)Affiliated to JNTUH, Approved by AICTE, Accredited by NAAC with A++ Grade, ISO 9001:2015 Certified Kacharam, Shamshabad, Hyderabad – 501218, Telangana, India

**2023- 24**

**ACKNOWLEDGEMENT**

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# VARDHAMAN COLLEGE OF ENGINEERING, HYDERABAD

## an autonomous institute affiliated to JNTUH

## Department of Information Technology

## CERTIFICATE

This is to certify that the short technical report work entitled "**HEALTH CARE**" carried out by **Mr.K PRANAY GOUD ROLL NO 21881A2F0,Mr.MOHD ABDUL HAFEEZ ,ROLL NO - 21881A12G7,Mr.KODHALE MANMATH ,ROLL NO 22885A1217** towards **A7604 –Web Technologies** course and submitted to the Department of Information Technology, in partial fulfillment of the requirements for the award of degree of **Bachelor of Technology** in **Information Technology** during the year 2023-24.

**Name & Signature of the Instructor**

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# Abstract

"Happy Health" is an informative website dedicated to promoting health and wellness. The site offers a clean and user-friendly interface with a responsive design suitable for different devices. The main header features an attractive title "Health Care" and a navigation bar containing links to important sections, such as "Home," "About us," and "Contact us."The home page starts with a compelling image of healthcare professionals attending to a senior patient. Below the image, there are sections dedicated to different health topics. The topics covered on the home page include "Diabetes," "Ophthalmalgia" (eye-related issues), "Knee pain," "Heart Attack," "Cancer," and "Kidney Problem."

Each section presents a concise overview of the respective health condition, along with relevant images to aid understanding. Additionally, there are hyperlinks provided for users to read more detailed information about each health topic.

The website promotes healthy living practices, such as maintaining a balanced diet, regular exercise, and avoiding harmful habits like smoking and excessive alcohol consumption. It emphasizes prevention and early intervention for various health conditions, including diabetes, heart attacks, and kidney problems.

Overall, "Happy Health" aims to educate its visitors about various health issues and encourage them to adopt a healthy lifestyle. Additionally, the site provides opportunities for user interaction through the "Contact us" section, where users can likely access a form to submit inquiries or feedback. Furthermore, it offers "Sign In" and "Sign Up" options, suggesting that the site might provide personalized features or services to registered users.

# CHAPTER 1

# INTRODUCTION

## 1.1 Motivation

**Motivation for Health Care Website Project:**

The motivation behind our health care website project stems from a deep-rooted commitment to positively impact the lives of individuals and communities by providing accessible, reliable, and comprehensive health care information and resources. We firmly believe that access to accurate health information is a fundamental right, and our project seeks to bridge the gap between knowledge and empowerment in the realm of healthcare. Here are the core motivations that drive our endeavor:

**1. Empowering Individuals**: We are inspired by the potential to empower individuals with the knowledge and tools they need to make informed decisions about their health. By providing easily accessible and trustworthy health information, we aim to promote health literacy and enable people to take charge of their well-being.

**2. Enhancing Health Outcomes:** Health care is central to human welfare, and we are motivated to contribute to improved health outcomes. By offering evidence-based information on health conditions, treatments, and preventive measures, we aspire to assist individuals in managing their health effectively and making lifestyle choices that promote long-term well-being.

**3. Fostering Inclusivity**: Health care disparities are prevalent across different demographics and regions. Our project seeks to address these disparities by creating a platform that caters to diverse audiences, including those from marginalized communities and underserved

populations. We strive to ensure that every individual has access to quality health information regardless of their background.

**4. Supporting Caregivers and Healthcare Professionals**: We recognize the invaluable contributions of caregivers and healthcare professionals in the well-being of patients. Our website aims to provide resources and support to these essential stakeholders, equipping them with the latest medical knowledge, best practices, and tools to deliver compassionate and effective care.

**5. Embracing Innovation**: Health care is a constantly evolving field, with breakthroughs in technology, research, and treatment options. We are motivated to stay at the forefront of these advancements, providing our audience with updates on cutting-edge medical breakthroughs, digital health solutions, and emerging trends that shape the future of healthcare.

**6. Promoting Health Advocacy**: Beyond disseminating information, our project seeks to encourage health advocacy and community engagement. By fostering a supportive online community, we aim to inspire individuals to take an active role in advocating for better health policies, increased awareness, and improved access to healthcare services.

**7. Contributing to Public Health**: Our project recognizes the critical importance of public health initiatives in safeguarding the well-being of entire populations. We aspire to contribute to public health efforts by disseminating information on disease prevention, vaccination, and other essential health measures that promote community health.

### 1.2 Scope

The scope for a health care website can be vast and diverse, covering a wide range of topics and functionalities to serve the needs of different

audiences. Here are some key areas to consider when defining the scope for a health care website:

**1. Medical Information and Education**: Provide comprehensive and accurate information on various health conditions, diseases, treatments, medications, and medical procedures. Offer educational resources, articles, and infographics to enhance health literacy and empower individuals to make informed decisions about their health.

**2. Lifestyle and Wellness**: Offer content and resources related to nutrition, fitness, mental health, stress management, and other aspects of a healthy lifestyle. Provide tips, guidelines, and personalized advice to promote overall well-being.

**3. Telemedicine and Virtual Health Services**: Integrate telemedicine services, allowing users to schedule virtual consultations with healthcare professionals, access remote diagnostics, and receive medical advice through video conferencing.

**4. Patient Support and Advocacy**: Create a platform that supports patients and their families with information on patient rights, support groups, and advocacy resources. Foster a community where individuals can share their experiences and find emotional support.

**5. Healthcare Provider Directory**: Offer a searchable database of healthcare providers, including doctors, specialists, hospitals, clinics, and other medical facilities. Include essential details like contact information, specialties, and patient reviews to help users find suitable healthcare services.

**6. Health News and Updates**: Provide the latest health-related news, medical breakthroughs, and research findings to keep users informed about the ever-evolving landscape of healthcare.

**7. Health Risk Assessments**: Develop interactive tools that allow users to conduct health risk assessments, such as BMI calculators, risk factor assessments, and preventive health screening recommendations.

**8. Medication and Treatment Reminders**: Incorporate features that allow users to set medication reminders, track their treatment progress, and receive alerts for medical appointments and follow-ups

## CHAPTER 2

## PROJECT DESIGN

### 1. Homepage:

- Clean and inviting layout with a hero image or banner that portrays a healthy and caring environment.

- Clear navigation menu with categories like "Medical Information," "Wellness," "Telemedicine," "Community," etc.

- Prominent search bar for users to find specific health information quickly.

### 2. Medical Information Section:

- Well-organized pages with in-depth and accurate information on various health conditions, diseases, and treatments.

- Subcategories for easy navigation, such as "Common Conditions," "Specialty Topics," and "Preventive Care."

- Infographics and illustrations to simplify complex medical concepts.

### 3. Wellness Section:

- Pages dedicated to nutrition, fitness, mental health, stress management, and healthy lifestyle tips.

- Interactive tools like BMI calculators, exercise planners, and personalized health assessments.

- Inspirational stories or testimonials promoting healthy living.

## 4. Telemedicine Services:

- Clear explanation of the telemedicine offerings, including virtual consultations, video appointments, and online prescriptions.

- User-friendly interface for scheduling appointments with healthcare professionals.

- Details on the security measures and confidentiality protocols for telehealth services.

## 5. Community and Support:

- Engaging discussion forums where users can share experiences and seek advice from peers and professionals.

- Support groups and resources for patients and caregivers facing specific health challenges.

- FAQ section addressing common health-related queries.

## 6. Healthcare Provider Directory:

- Comprehensive database of healthcare professionals, clinics, hospitals, and specialized services.

- Search and filter options based on location, specialty, and user ratings/reviews.

- Individual profiles with credentials, patient reviews, and contact information.

## 7. Health News and Updates:

- Latest health-related news, medical breakthroughs, and research findings.

- Option for users to subscribe to newsletters or push notifications for updates.

## 8. Appointment Booking and Patient Portal:

- User-friendly interface for booking appointments with healthcare providers.

- Personalized patient portal for users to view medical records, test results, and appointment history.

## 9. Contact and Support:

- Clear contact information for customer support and queries.

- Support for users with technical assistance or website-related issues.

## 10. About Us and Mission:

- Page explaining the purpose and mission of the health care website.

- Information about the team, credentials, and values of the organization.

## 11. Accessibility and Privacy:

- Section outlining accessibility features for users with disabilities.

- Detailed privacy policy and terms of use to ensure user data protection.

## 12. Mobile Responsiveness:

- Ensure the website design is responsive and optimized for seamless access on mobile devices.

# CHAPTER 3

**ARCHITECTURE**

The architecture for this website code is a simple static HTML page with inline CSS styling. It consists of a header section containing the main heading and a navigation bar. The main content of the page is divided into two rows, each containing three cards.

## 1. Header Section:

   - The header contains an h1 element with the class "main-h" displaying the main title "Health Care."

   - The navigation bar is defined using a nav element with the class "navbar" containing an unordered list (ul) with the class "navlist." Each list item (li) contains a link (a) to different sections of the website.

   - There are two "Sign In" and "Sign Up" buttons defined as links with classes "sign" and "sign-2," respectively.

## 2. Main Content Section:

   - The main content is wrapped in a main element.

   - The first part consists of a large image displayed using the img element with the class "hospital-img."

   - The second part is divided into two rows (div elements with class "mid").

   - Each row contains three cards (div elements with class "mid-1") representing different health topics (Diabetes, Ophthalmalgia, Knee pain, Heart Attack, Cancer, Kidney Problem).

- Each card has a title (b element) and an image (img element) related to the health topic, followed by a paragraph (p element) describing the topic.

- Additionally, each card has a link (a element) leading to an external source providing more information about the specific health topic.

Overall, the code is structured using HTML elements and styled with inline CSS using the style element within the head section. However, for more maintainable and organized code, it is recommended to separate the CSS styling into a separate stylesheet and link it to the HTML document using the link element. This would allow for easier management and readability of the code.

# CHAPTER 4

## IMPLEMENTATION:

**HTML CODE:**

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
```

```html
    <meta name="viewport"
content="width=device-width, initial-
scale=1.0">
    <title>Happy Health</title>
    <style>
        *{
            padding:0px;
            margin: 0px;
            box-sizing: border-box;
            /* overflow: auto; */
        }
        .main-h{
          font-size:250%;
          text-align: center;
          text-shadow: 2px
2px  darksalmon;
          }
        .navbar{
          background-color: rgb(194,
194, 244);
          }
```

```css
.navlist{
    display: flex;


}
.navlist li{
    list-style: none;
    padding-left:3% ;
    padding-right: 3%;
    padding-top: 0.75%;
    font-size: 120%;
}
.navlist li a{
    text-decoration: none;
    color: black;
}
/* .sign-btn{
    background-color: black;
} */
.sign{
    color:white;
    text-decoration: none;
```

```css
        padding:1%;
        background-color: black;
        margin-left: 20%;
        border: 0.1% solid black;
        border-radius: 10px;
    }
    .sign-2{
        color:white;
        text-decoration: none;
        padding:1%;
        background-color: black;
        margin-left: 5%;
        border: 0.1% solid black;
        border-radius: 10px;
    }
    .hospital-img{
        width: 85vw;
        height: 70vh;
        margin-left: auto;
        margin-right: auto;
        display: block;
```

```css
        border: 2% solid rgb(194,
194, 244);
            border-radius: 2%;
            box-shadow: 12px 12px
30px rgb(194, 194, 244),-12px -12px
30px rgb(194, 194, 244);
        }
        .mid{
            width: 100vw;
            /* background-color:
rgb(194, 194, 244); */
            padding: 2%;
            margin: auto;
            display: flex;
        }
        .mid-1{
        width: 30vw;
        margin: 2%;
        border: 2px solid  rgb(194,
194, 244);
        padding: 2.5%;
```

```css
        box-shadow: 12px 12px 20px
rgb(194, 194, 244),-12px -12px 20px
rgb(194, 194, 244);


        }
        .mid-1 img{
            width:20vw ;
            height: 20vh;
            display: block;
            margin: auto;
        }
        .mid-1 p{
            font-size: 120%;
        }
        .mid-1 a{

            text-decoration: none;
            background-color: coral;
            border: 2px solid black;
            border-radius:5px;
            color: black;
```

```css
        padding: 1%;
    }
    .mid-1 b{
        font-size: 120%;
        margin: auto;
        width: 10%;
        display: block;
    }
    </style>
</head>
</body>
</html>
```

```html
<body>
   <header>
    <h1 class="main-h">Health
Care</h1>
    <nav class="navbar">
        <ul class="navlist">
```

```html
            <li><b><a
href="wt_project.html">Home</a></b></
a></li>
            <li><b><a
href="aboutus.html">About
us</a></b></li>
            <!-- <li><a
href="#">services</a></li> -->
            <li><b><a
href="https://forms.gle/qfRQN89eWxE1b
hNj8">Contact us</a></b></li>
            <!-- <li class="sign-
btn"> -->
                <a href="signin.html"
class="sign">Sign In</a>
                <a href="signup.html"
class="sign-2">Sign Up</a>
                <!-- </li> -->
        </ul>
    </nav>
    </header>
```

```html
<main>
    <img class="hospital-img"
src="https://media.istockphoto.com/id
/1390886692/photo/homecare-visit-
with-a-senior-
gentleman.jpg?b=1&s=170667a&w=0&k=20&
c=Y94dEfq3QhHLCXeBOEfCoqPZURnk365FD4-
xv813rzc=" alt="img">
    <div class="mid">
        <div class="mid-1">
        <b>Diabetes</b>
            <img
src="https://media.istockphoto.com/id
/1407159023/photo/diabetes-word-on-
bock-shape-and-spoon-with-sugar-
inside.jpg?b=1&s=170667a&w=0&k=20&c=V
pjon698TZCgxSaQ1hsWZJuAPvZW1xJNGXFqXh
FEXC0=" alt="">
            <p>A healthy diet,
regular physical activity,
maintaining a normal body weight and
```

avoiding tobacco use are ways to prevent or delay the onset of type 2 diabetes. Diabetes can be treated and its consequences avoided or delayed with diet, physical activity, medication and regular screening and treatment for complications.The exact cause of most types of diabetes is unknown. In all cases, sugar builds up in the bloodstream. This is because the pancreas doesn't produce enough insulin. Both type 1 and type 2 diabetes may be caused by a combination of genetic or environmental factors.</p>
          <br>
          <a href="https://www.cdc.gov/diabetes/basics/diabetes.html#:~:text=Diabetes%20is%20a%20chronic%20(long,your%20panc

```
reas%20to%20release%20insulin.">Read
More</a>
        </div>
        <div class="mid-1">
            <b>Ophthalmalgia</b>
            <img
src="C:\Users\91939\Documents\Downloa
ds\Basics_Eye_ExamGetty-400px.jpg"
alt="">
            <p>More than 4.2 million
Americans aged 40 years and older are
either legally blind (having best-
corrected visual acuity of 6/60 or
worse (=20/200) in the better-seeing
eye) or are with low vision (having
best-corrected visual acuity less
than 6/12 (<20/40) in the better-
seeing eye, excluding those who were
categorized as being blind).
                The leading causes of
blindness and low vision in the
```

```
United States are primarily age-
related eye diseases such as age-
related macular degeneration,
cataract, diabetic retinopathy, and
glaucoma. Other common eye disorders
include amblyopia and strabismus.</p>
            <br>
                <a
href="https://www.cdc.gov/visionhealt
h/basics/ced/index.html">Read
More</a>
        </div>
        <div class="mid-1">
            <b>Knee pain</b>
            <img
src="https://media.istockphoto.com/id
/1421002902/photo/doctor-check-and-
diagnose-the-pain-in-knee-joint-on-
medical-background-3d-
illustration.jpg?b=1&s=170667a&w=0&k=
```

```
20&c=YTxrenK2GrYmza3y3XYObFlTud2U84bg
93ZPPbRePTQ=" alt="">
                 <p>Knee pain can occur
```

Knee pain can occur for many reasons, most commonly because of overuse, injuries or arthritis. You can experience knee pain at any age, but older people are more likely to develop it due to degeneration of the joint, a condition known as osteoarthritis.

Depending on what's causing your pain, you may feel better with rest, anti-inflammatory medication and ice. If you have a more severe injury, you may need a procedure or a surgery.The most common causes of knee pain are related to aging, injury or repeated stress on the knee. Common knee problems include sprained or strained

```
ligaments, cartilage tears,
tendonitis and
arthritis.                      </p>
            <br>
                <a
href="https://www.mayoclinic.org/dise
ases-conditions/knee-pain/symptoms-
causes/syc-20350849">Read More</a>
        </div>
    </div>
    <div class="mid">
        <div class="mid-1">
            <b>Heart Attack</b>
            <img
src="https://healthlibrary.askapollo.
com/wp-content/uploads/2019/06/Heart-
Attack-blog.jpg" alt="">
            <p>A diet high in sugars,
animal fats, processed foods, trans
fats and salt increases the risk of
heart attacks. Eat plenty of fruits,
```

```
vegetables, fiber and healthy oils.
Stress. Emotional stress, such as
extreme anger, may increase the risk
of a heart attack.</p>
            <br>
            <a
href="https://www.mayoclinic.org/dise
ases-conditions/heart-
attack/symptoms-causes/syc-
20373106">Read More</a>
        </div>
        <div class="mid-1">
            <b>Cancer</b>
            <img
src="https://scitechdaily.com/images/
Red-Cancer-Cells-Concept.jpg" alt="">
            <p>Each year, more than
13,000 cancer deaths are due to
smoking, sun exposure, poor diet,
alcohol, inadequate exercise or being
overweight. Fortunately, there are a
```

```
number of simple lifestyle changes
you can make to help reduce your risk
of cancer.</p>
            <br>
            <a
href="https://www.cancer.gov/about-
cancer/understanding/what-is-
cancer">Read More</a>
        </div>
        <div class="mid-1">
            <b>Kidney Problem</b>
            <img
src="https://www.narayanahealth.org/s
ites/default/files/pillar-
page/kidney-diseases-banner-bg.jpg"
alt="">
            <p>High blood pressure
and diabetes are the two most common
causes of kidney failure. They can
also become damaged from physical
injury, diseases, or other
```

```html
disorders.Treatment for a chronic
medical condition can slow down the
progression of kidney disease.</p>
            <br>
            <a
href="https://my.clevelandclinic.org/
health/diseases/17689-kidney-
failure#:~:text=Kidney%20failure%20is
%20a%20condition,the%20bathroom%20and
%20brain%20fog.">Read More</a>
        </div>
    </div>
    </main>
</body>
</ht
```

**PHP CODE :**

```php
<?php
$servername = "localhost:3310";
```

```php
$username = "root@";
$password = "";
$dbname = "hafeez";

// Create connection
$conn = new mysqli($servername,
$username, $password, $dbname);

// Check connection
if ($conn->connect_error) {
    die("Connection failed: " .
$conn->connect_error);
}
?>
<!--
<form method="post"
action="submit.php">
  <label for="name">Name:</label>
  <input type="text" id="name"
name="name">
```

```html
    <label for="email">Email:</label>
    <input type="email" id="email"
name="email">

    <label
for="message">Message:</label>
    <textarea id="message"
name="message"></textarea>

    <input type="submit"
value="Submit">
</form> -->
<form method="post"
action="health_db.php">
        <h1>Sign Up</h1>
        <label for="un">User
name:</label>
        <input type="text" id="un"
placeholder="USERNAME" maxlength="20"
name="firstName">
        <br>
```

```html
        <label for="e">Email:</label>
        <input class="wid"
type="email" id="e"
placeholder="abc@gmail.com"
name="email">
        <br>
        <label
for="pwd">Password:</label>
        <input type="password"
id="pwd" placeholder="*********"
name="password">
        <br>
        <LAbel for="ph">Moblie
Number:</LAbel>
        <input type="text" id="ph"
placeholder="MOBILE"
maxlength="10"name="number">
        <br>
        <label>GENDER:</label>
        <select name="gender" >
```

```
            <option value="m"
>male</option>
            <option
value="f">female</option>
            <option
value="o">others</option>
        </select>
        <input type="submit"
value="Submit">
    </form>
```

**RESULT:**

**FRONT END:**
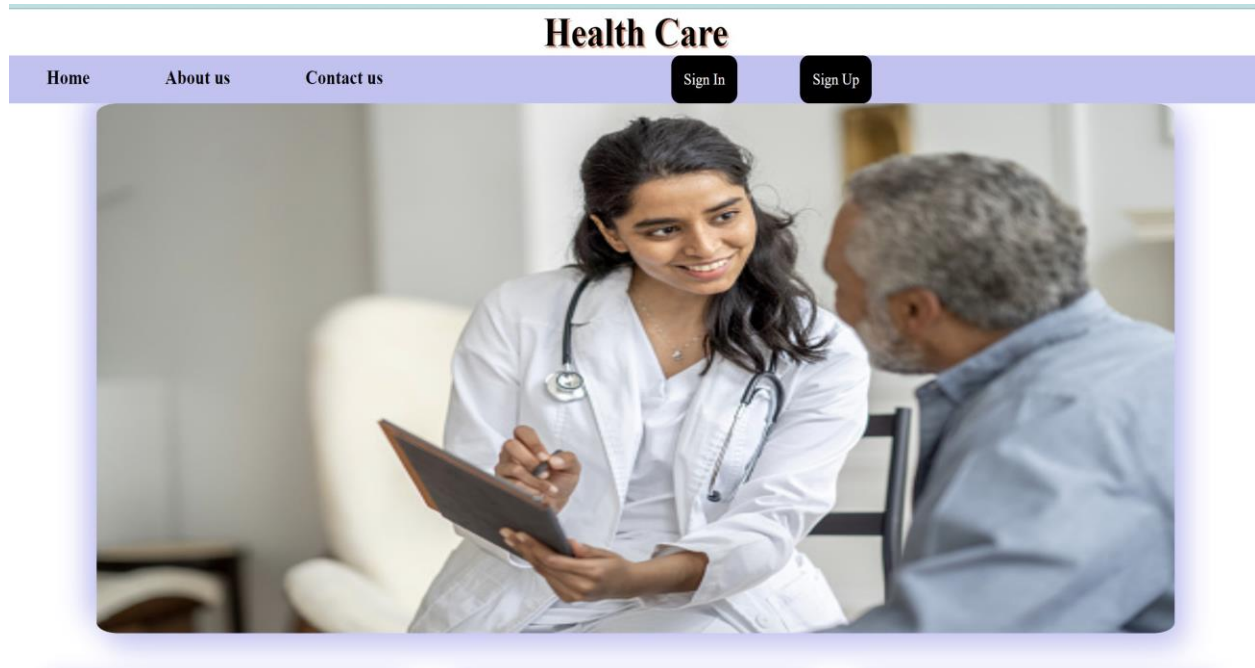
### Diabetes



A healthy diet, regular physical activity, maintaining a normal body weight and avoiding tobacco use are ways to prevent or delay the onset of type 2 diabetes. Diabetes can be treated and its consequences avoided or delayed with diet, physical activity, medication and regular screening and treatment for complications.The exact cause of most types of diabetes is unknown. In all cases, sugar builds up in the bloodstream. This is because the pancreas doesn't produce enough insulin. Both type 1 and type 2 diabetes may be caused by a combination of genetic or environmental factors.

Read More

### Ophthalmalgia



More than 4.2 million Americans aged 40 years and older are either legally blind (having best-corrected visual acuity of 6/60 or worse (=20/200) in the better-seeing eye) or are with low vision (having best-corrected visual acuity less than 6/12 (<20/40) in the better-seeing eye, excluding those who were categorized as being blind). The leading causes of blindness and low vision in the United States are primarily age-related eye diseases such as age-related macular degeneration, cataract, diabetic retinopathy, and glaucoma. Other common eye disorders include amblyopia and strabismus.

Read More

### Knee pain



Knee pain can occur for many reasons, most commonly because of overuse, injuries or arthritis. You can experience knee pain at any age, but older people are more likely to develop it due to degeneration of the joint, a condition known as osteoarthritis. Depending on what's causing your pain, you may feel better with rest, anti-inflammatory medication and ice. If you have a more severe injury, you may need a procedure or a surgery.The most common causes of knee pain are related to aging, injury or repeated stress on the knee. Common knee problems include sprained or strained ligaments, cartilage tears, tendonitis and arthritis.
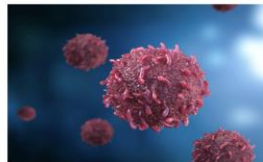
Read More

### Heart Attack



A diet high in sugars, animal fats, processed foods, trans fats and salt increases the risk of heart attacks. Eat plenty of fruits, vegetables, fiber and healthy oils. Stress. Emotional stress, such as extreme anger, may increase the risk of a heart attack.

Read More

### Cancer



Each year, more than 13,000 cancer deaths are due to smoking, sun exposure, poor diet, alcohol, inadequate exercise or being overweight. Fortunately, there are a number of simple lifestyle changes you can make to help reduce your risk of cancer.

Read More

### Kidney Problem



High blood pressure and diabetes are the two most common causes of kidney failure. They can also become damaged from physical injury, diseases, or other disorders.Treatment for a chronic medical condition can slow down the progression of kidney disease.
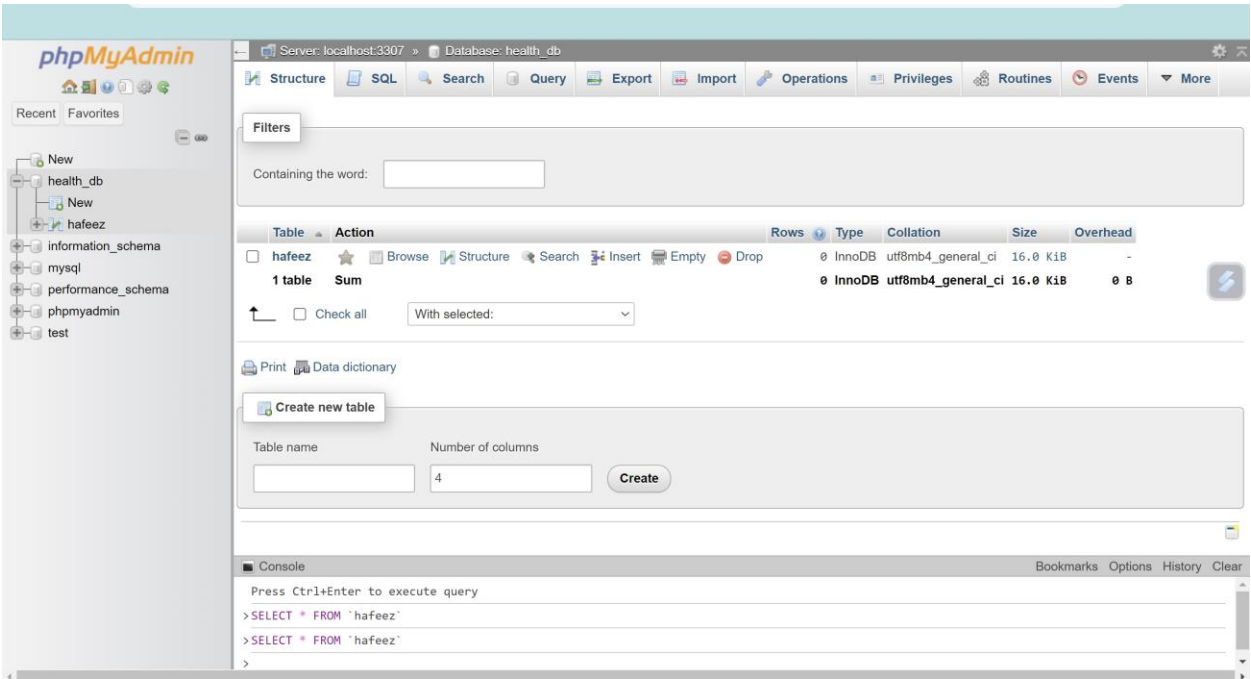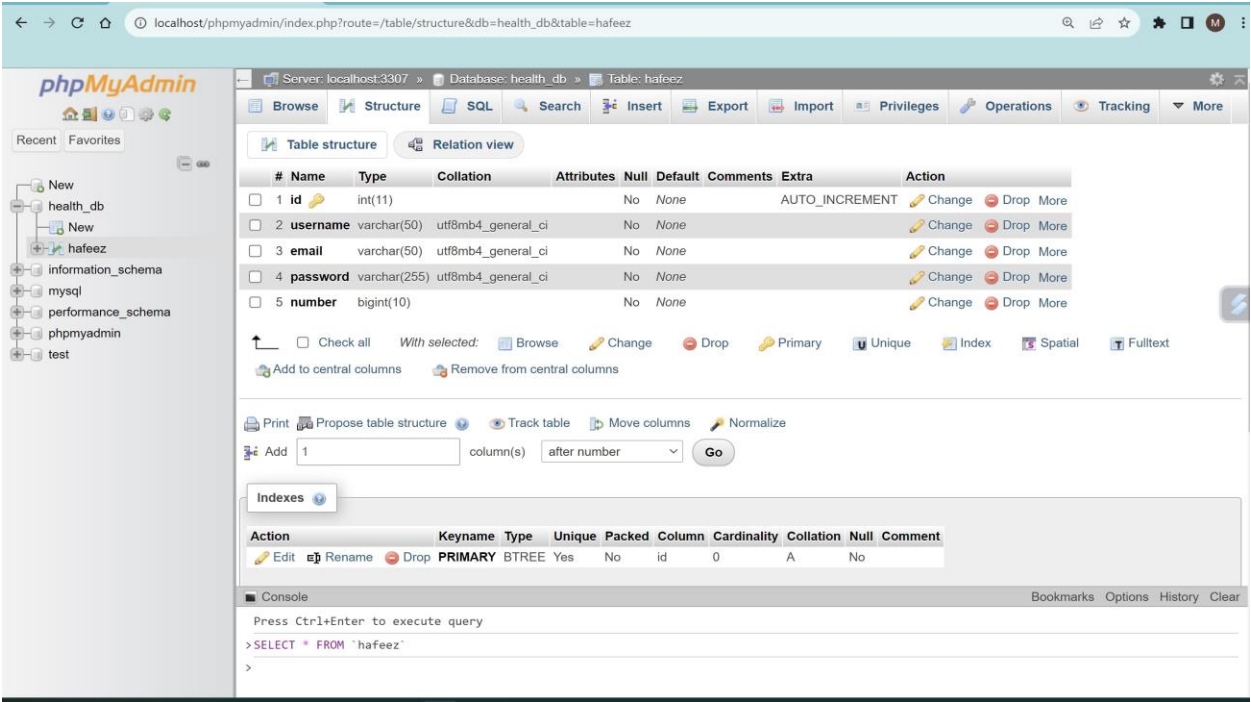
Read More

# SIGN UP

REGISTRATION FORM

MOHD ABDUL HAFEEZ

mohdhafeez3646@gmail.co

•••••••••

•••••••••

9392643646

GENDER: male

SIGN UP

**Already have an account?SIGN IN**

# LOGIN

LOGIN FORM

MOHD ABDUL HAFEEZ

•••••••••

Sign In

**Dont't have an account?SIGN UP**

## BACK END:

**CONCLUSION:**

In conclusion, the Health Care Website serves as a comprehensive and accessible online resource, empowering individuals and communities to make informed decisions about their health and well-being. Throughout the project, our team remained committed to providing reliable and up-to-date information, promoting health education, and facilitating seamless access to medical services.The website's user-friendly interface and intuitive navigation enhance user experience, allowing users to easily find medical information, wellness tips, and connect with healthcare professionals. The integration of telemedicine services ensures convenient access to virtual consultations, making healthcare more accessible and convenient, particularly for individuals in remote areas or with limited mobility.The interactive tools and personalized health assessments help users to proactively manage their health, while the vibrant community forums foster support and shared experiences among users facing similar health challenges.

**REFERENCES**:

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