

CHAPTER 1

INTRODUCTION

Full stack front-end web development refers to the process of building web applications from the client-side to the server-side. This means creating a complete user interface (UI) using HTML, CSS, and JavaScript, as well as developing the back-end functionality using server-side programming languages such as Node.js, Python, or Ruby on Rails.

The front-end part of web development is responsible for creating a visually appealing and interactive user interface, which is achieved through HTML for structure, CSS for styling, and JavaScript for functionality. This includes designing and implementing user interfaces, handling user events, and ensuring that the website is responsive and user-friendly on different devices. On the other hand, the back-end part of web development involves creating server-side logic that interacts with databases and APIs to provide data and functionality to the front-end. This includes handling requests, processing data, and managing user authentication and authorization.

1.1 COMPANY DESCRIPTION

About Hamdan Infocom

- Hamdan Infocom was founded in 2017 it has 2 subsidiaries 1. Hamdan Infocom : It has 17 clients in and around Karnataka where they deal with software design development and operations. Recently they has delved into data mining and data warehousing. Hamdan Infocom also provides cloud services and cloud design as a service for its clients.
- [x] 4th Dimension Training Center: Here they deal with corporate and commercial software training from coding to software development to machine learning and blockchain technologies.

CHAPTER 2

OBJECTIVES

- **Creating an engaging user interface:** A primary objective of front-end web development is to create visually appealing and engaging user interfaces that provide a smooth user experience.
- **Providing interactivity and functionality:** Front-end developers must ensure that their applications provide interactivity and functionality that meets the users' needs, such as managing user input and handling events.
- **Ensuring compatibility and accessibility:** Front-end developers must ensure that their applications work seamlessly across different devices, operating systems, and web browsers. Additionally, they should also make sure that their applications are accessible to people with disabilities.
- **Implementing security features:** Full-stack front-end web developers need to ensure that their applications are secure and implement appropriate security features, such as data encryption, authentication, and authorization.
- **Developing server-side functionality:** Full-stack front-end web developers need to have an understanding of back-end technologies and programming languages to develop server-side functionality that interacts with the front-end, such as managing databases, APIs, and server-side logic.

CHAPTER 3

3.1 SOFTWARE REQUIREMENTS

OPERATING SYSTEM: Windows 7/XP/8/10

WEB SERVER: Apache, XAMPP Control

Panel V3.3.0.

FRONT END: HTML, CSS, Java Script.

SERVER SIDE SCRIPT Php

DATABASE: MySQL.

3.2 HARDWARE REQUIREMENTS

PROCESSOR: Intel i3 i5 i7, Ryzen 5,

9(Anyone)I

RAM: 1GB or above

HARD DISK: 5-6GB

KEY BOARD: Standard Keyboard

MOUSE: PS/2 Mouse

MONITOR: Plug and play monitor

3.3 ADVANTAGES

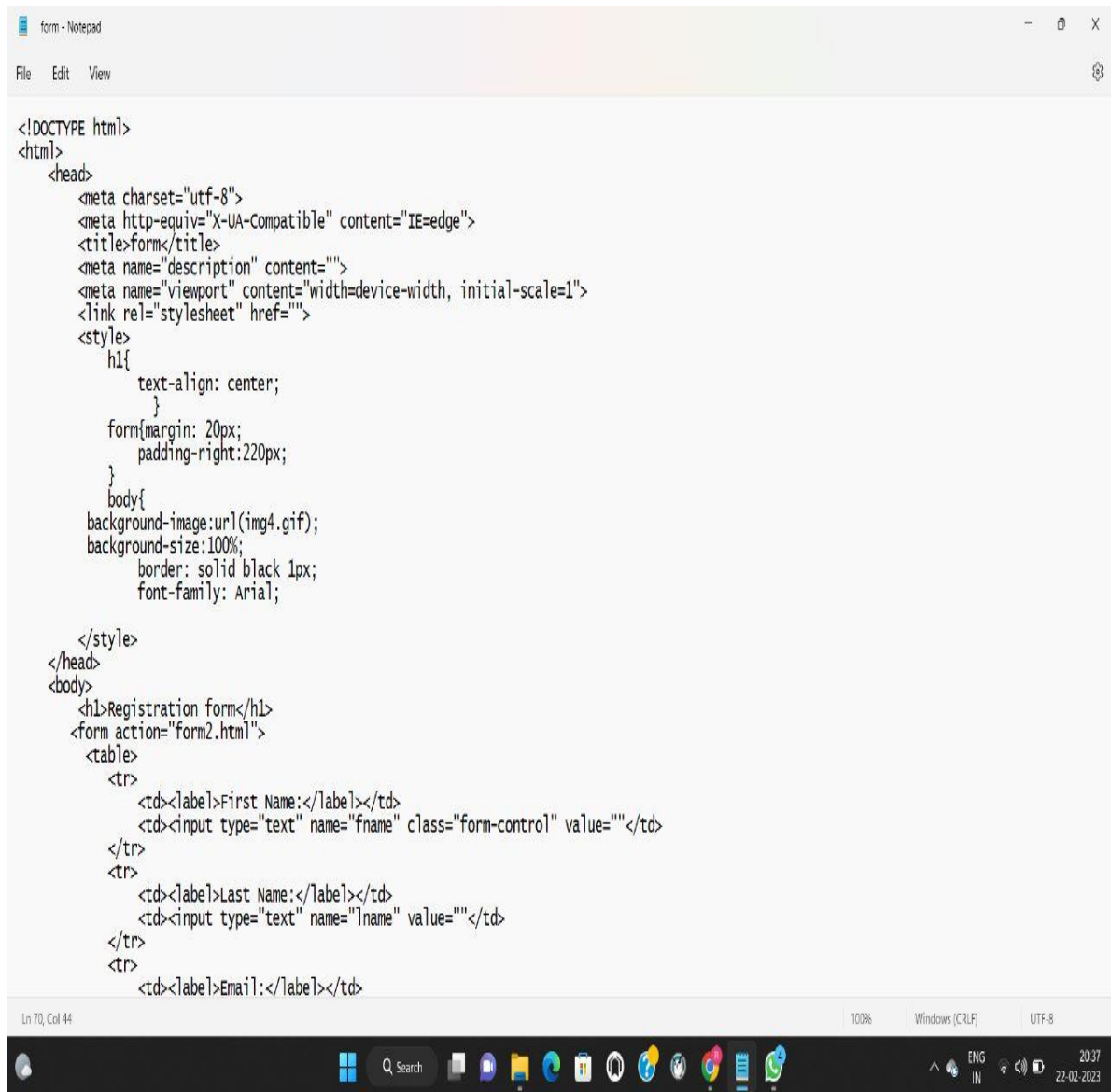
- **Wide Reach:** With the internet being accessible worldwide, websites have a vast reach, and they can target a broad audience with ease.
- **Cost-Effective:** Building a website is relatively cheaper than other forms of advertising, such as print, TV, or radio.
- **Easy to Update:** Websites are easy to update and maintain. Any changes made to the website can be published immediately, providing real-time information to users.
- **Customizable:** Websites can be tailored to meet specific business needs and can be designed to match the brand's aesthetics.

3.4 DISADVANTAGES

- **Security:** Web development involves handling sensitive data, and websites are vulnerable to cyber-attacks, which can lead to data breaches.
- **Technical Complexity:** Building and maintaining websites require technical expertise, and web developers need to stay up-to-date with the latest technologies.
- **Compatibility Issues:** Websites need to be compatible with different browsers and devices, which can be challenging.
- **Slow Load Times:** Websites that are slow to load can negatively impact user experience, leading to a higher bounce rate.

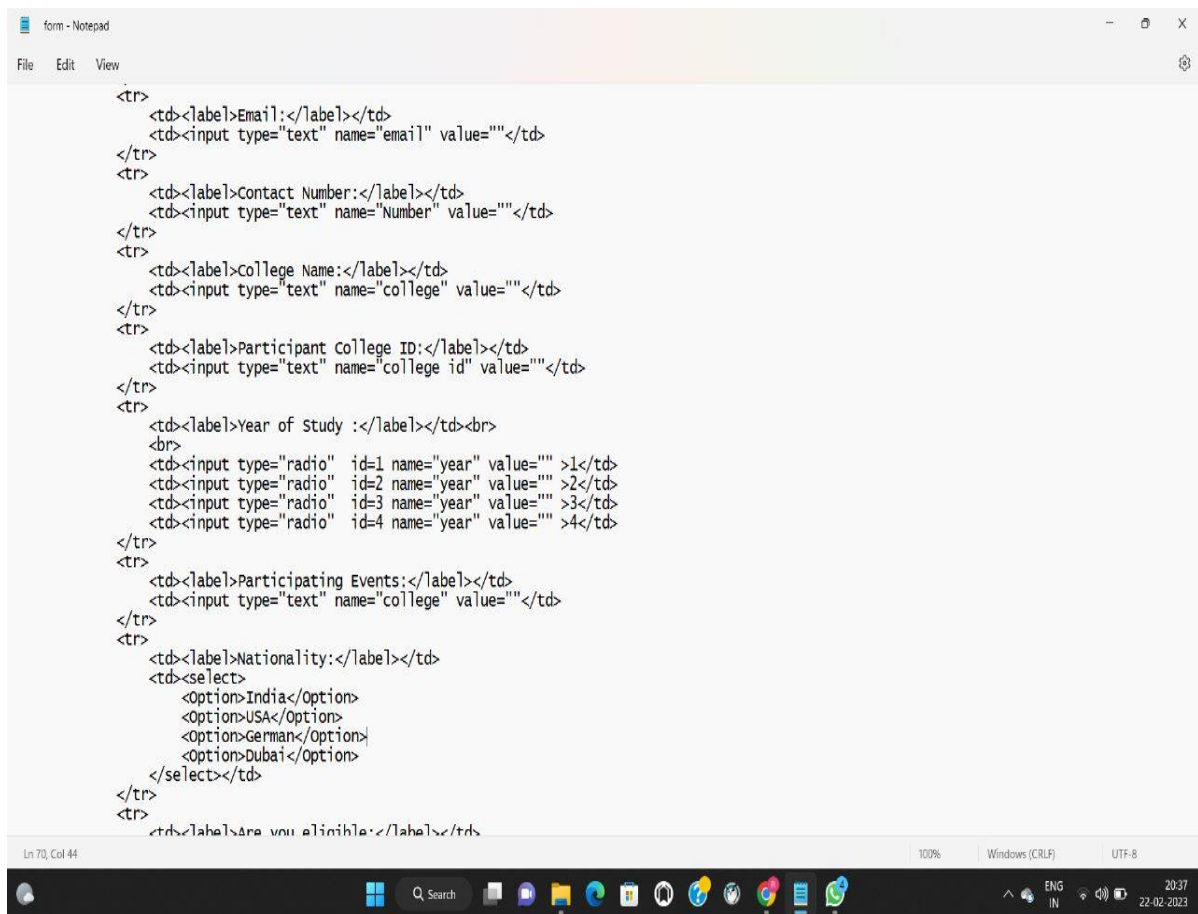
CHAPTER 4

RESULT AND DISCUSSION



```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <title>form</title>
    <meta name="description" content="">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <link rel="stylesheet" href="">
    <style>
      h1{
        text-align: center;
      }
      form{margin: 20px;
        padding-right:220px;
      }
      body{
        background-image:url(img4.gif);
        background-size:100%;
        border: solid black 1px;
        font-family: Arial;
      }
    </style>
  </head>
  <body>
    <h1>Registration form</h1>
    <form action="form2.html">
      <table>
        <tr>
          <td><label>First Name:</label></td>
          <td><input type="text" name="fname" class="form-control" value=""</td>
        </tr>
        <tr>
          <td><label>Last Name:</label></td>
          <td><input type="text" name="lname" value=""</td>
        </tr>
        <tr>
          <td><label>Email:</label></td>
```

Figure 1: Code Screen short



```
<tr>
  <td><label>Email:</label></td>
  <td><input type="text" name="email" value=""></td>
</tr>
<tr>
  <td><label>Contact Number:</label></td>
  <td><input type="text" name="Number" value=""></td>
</tr>
<tr>
  <td><label>College Name:</label></td>
  <td><input type="text" name="college" value=""></td>
</tr>
<tr>
  <td><label>Participant College ID:</label></td>
  <td><input type="text" name="college id" value=""></td>
</tr>
<tr>
  <td><label>Year of Study :</label></td><br>
  <td><input type="radio" id=1 name="year" value="" >1</td>
  <td><input type="radio" id=2 name="year" value="" >2</td>
  <td><input type="radio" id=3 name="year" value="" >3</td>
  <td><input type="radio" id=4 name="year" value="" >4</td>
</tr>
<tr>
  <td><label>Participating Events:</label></td>
  <td><input type="text" name="college" value=""></td>
</tr>
<tr>
  <td><label>Nationality:</label></td>
  <td><select>
    <option>India</option>
    <option>USA</option>
    <option>German</option>
    <option>Dubai</option>
  </select></td>
</tr>
<tr>
  <td><label>Are you eligible:</label></td>
```

Figure 2: Code Screen shor

```
form - Notepad
File Edit View

<td><input type="radio" id=3 name="year" value="" >3</td>
<td><input type="radio" id=4 name="year" value="" >4</td>
</tr>
<tr>
<td><label>Participating Events:</label></td>
<td><input type="text" name="college" value=""></td>
</tr>
<tr>
<td><label>Nationality:</label></td>
<td><select>
<option>India</option>
<option>USA</option>
<option>German</option>
<option>Dubai</option>
</select></td>
</tr>
<tr>
<td><label>Are you eligible:</label></td>
<td><input type="checkbox" name="my eligibility" value="my eligibility"></td>
</tr>
<br>
<tr>
<td><label>Do you need visa to come?</label></td>
<td><input type="radio" id="yes" name="Do you need visa to come?" value="yes">yes</td>
<td><input type="radio" id="No" name="Do you need visa to come?" value="No">No</td>
</tr>
<br>
</table>
<br>
<tr><BUTTON>submit</BUTTON></tr>
<br>
<br>
what is your idea....?<br><textarea name="mytext" cols="90" rows="10"></textarea>
</form>

</body>
</html>

Ln 70, Col 44
100% Windows (CRLF) UTF-8
20:37 22-02-2023
```

Figure 3: Code Screen short

form

File | D:/intrenship/forms/form.html

Registration form

First Name:

Last Name:

Email:

Contact Number:

College Name:

Participant College ID:

Year of Study : ☐ 1 ☐ 2 ☐ 3 ☐ 4

Participating Events:

Nationality:

Are you eligible: ☐

Do you need visa to come? ☐ yes ☐ No

What is your idea...?

GO →

X

20:35
22-02-2023

Figure 4: Output

CHAPTER 5

5.1 INTERNSHIP DESCRIPTION

1st week :

- Introduction of company
- Study on basics of python

2nd week :

- Introduction of HTML
- Brief study on HTML

3rd week:

- Creating of web pages
- Study of CSS and designing web pages

4th week:

- Study of Java script

5.2 INTERNSHIP OUTCOMES

- Learnt to create a web page using html.
- Learnt basics of python and html for web development.

CHAPTER 6

CONCLUSION

web development is the process of creating websites and web applications that can be accessed through the internet. It involves different aspects such as web design, front-end development, back-end development, and web server configuration.

Web development has evolved over the years, and new technologies and frameworks are continually being introduced to improve the web development process. Some of the most commonly used technologies and frameworks include HTML, CSS, JavaScript, React, Angular, Node.js, PHP, and many others.

Web development is a crucial aspect of businesses today as websites and web applications have become essential tools for marketing, communication, and e-commerce. As a result, there is a high demand for web developers who possess the necessary skills to create and maintain these websites and applications.

