Mini Project Report - 05

Master of Computer Application – General
Semester – I

Sub: Front-End Frameworks And Technologies

Topic: CSS FLEXBOX
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September 2025

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INTRODUCTION

This project demonstrates the creation of a website navigation header using CSS Flexbox. The primary goal was to contain all header elements—including a logo, university title, search bar, and navigation links—within a single container and manage their layout efficiently. By styling a <ul> element as a flex container, this project explores a direct approach to aligning multiple, diverse elements in a single row. The report details the code structure, styling choices, and the final visual outcome.

This report documents the entire process, from structural design with HTML5 to the final styling and layout using modern CSS3 techniques, serving as a practical demonstration of front-end development skills.

INPUT CODE

```html
<html>
  <head>
    <meta charset="UTF-8">
    <title>css flexbox</title>
    <style>
      ul{
        display: flex;
        justify-content: flex-end;
        background-color: yellow;
        padding: 10px;
        border-bottom-left-radius: 20px;
        border-bottom-right-radius: 20px;
        box-shadow: 3px 3px 5px black;
      }
      ul li{
        padding-right: 10px ;
        list-style-type: none;
        margin-top: 10px;
      }
      input{
        width: 500px;
        height: 30px;
        margin-top: 10px;
        margin-right: 5px;
        border:none;
```
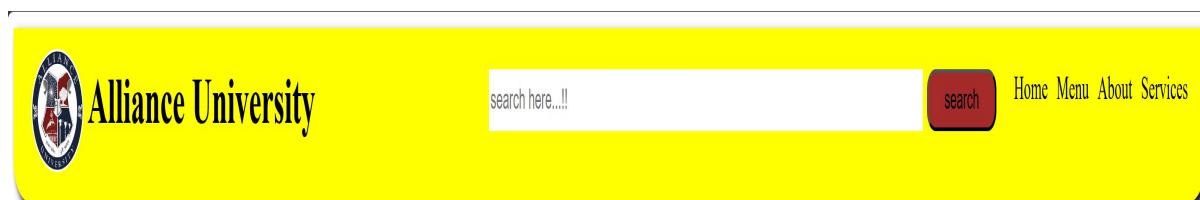
```css
        }
        button{
            width: 80px;
            height: 30px;
            margin-top: 10px;
            margin-right: 20px;
            background:brown;
            border-radius: 10px;
        }
        button:hover{

            background-color: yellow;
        }
        h1{
            margin-top: 7px;
            margin-right: 200px;
        }
        img{
            width: 60px;
            height: 60px;
            border-radius: 50px;
            margin-right: 5px;
        }
    </style>
</head>
<body>
```

```html
    <ul>
        <img src="C:\FFT\images\alliance.png" alt="Alliance">
        <h1>Alliance University</h1>
        <input type="text" placeholder="search here...!!">
        <button>search</button>
        <li>Home</li>
        <li>Menu</li>
        <li>About</li>
        <li>Services</li>
    </ul>
  </body>
</html>
```

CONCLUSION

The project helped in understanding how flexbox properties like justify-content, align-items, and spacing work in real-world scenarios.

This exercise also enhanced my knowledge of styling elements such as buttons, images, and headings, making the webpage interactive and user-friendly. Overall, this project was a good step toward building responsive web applications and developing stronger front-end design skills..

One of the key takeaways from this project is the flexibility and efficiency of the flexbox model, which eliminates the complexity of older layout methods like floats and tables. It ensures that the design remains clean, responsive, and easy to maintain. Additionally, the use of styling features such as background colors, shadows, hover effects, border-radius, and spacing helped improve the aesthetics and usability of the webpage.