

St. Francis Institute of Technology
Mount Poinsur, S.V.P. Road, Borivali (W), Mumbai-103

Class: TE IT B

Academic Year: 2023-2024

Experiment – 4

Mini-Project using HTML/CSS3

1. Aim: To design a webpage on a topic selected for mini-project using HTML/CSS3.

2. Objective: After performing the experiment,

- The students will be able to understand and implement the basic concepts of HTML5 and CSS3 including –
 - Use of various Attributes and Formatting tags
 - Use of Hyperlink
 - Insertion of Images, Tables, List and Multimedia
 - Insertion of Images, Tables, List and Multimedia
 - Blocks elements, Frames and Forms
 - Color, Background, Fonts
 - Tables, Lists,
 - CSS3 selectors
 - Pseudo classes, Pseudo elements
- The students will be able to work in teams and demonstrate their work

3. Lab objective mapped:

- Students will be able to *identify* and *apply* the appropriate HTML tags to develop a webpage. (PO3, PO5, **PO9, P10**, PSO3, PSO4)
- Students will be able to *explore* and *illustrate* the use of appropriate CSS tags to format data on webpage (PO3, PO5, **PO9, P10**, PSO3, PSO4)

4. Prerequisite: HTML5, CSS3

5. Requirements: The following are the requirements –

- PC/Laptop
- Visual Studio Code
- Browser

6. Pre-Experiment Theory:

As in Experiment 1, 2 and 3

7. Laboratory Exercise:

A. Procedure-

- Formation of a group of 3-4 members
- Discussion and selection of a mini-project topic with the faculty

1 | Page

- Finalizing the design of the webpage and enlisting what all features are to be used to implement the design
- Implementation of the project
- Preparation for a presentation of the mini-project in front of the class

B. Program Code

Write and execute an HTML and CSS3 code to design a webpage on a topic selected from the following suggestive list for the mini-project.

- Restaurant
- Any Tourist location
- Music Store
- Lifestyle Brand
- A self-paced learning course
- Any product (eg. Wonderchef/ Tupperware)
- Personal webpage
- Any event/conference webpage

The following features of HTML and CSS3 are expected to be used -

- Use of various Attributes and Formatting tags
- Use of Hyperlink
- Insertion of Images, Tables, List and Multimedia
- Blocks elements, Frames and Forms
- Color, Background, Fonts
- Tables, Lists,
- CSS3 selectors
- Pseudo classes, Pseudo elements

8. Post Experimental Exercise

Demonstration of the mini-project in front of the class as per the following guidelines - •

Each group is given 8 minutes to present their mini-project followed by a Q&A session of 4 minutes.

- All members of the group should be a part of the presentation.
- The presentation should demonstrate all functionalities incorporated in the design. • The presentation should highlight the features of HTML and CSS used in the implementation of the project.
- Mention the references used for implementation of the project.

9. Results/Observations/Program output:

- Present the program code and output

CODE:

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<link rel="stylesheet" href="styles/styles.css">
<link rel="preconnect" href="https://fonts.googleapis.com">
<link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
<link href="https://fonts.googleapis.com/css2?family=Poppins:wght@500&display=swap" rel="stylesheet">
<title>Beats</title>
</head>
<body>
<header>
<div class="nav">
<div class="logo"></div>
</div>
<div class="mainimage"></div>
<div class="opt">
<li class="nv">
<ul><a href="index.html">Home</a></ul>
<ul><a href="specs.html">Specs</a></ul>
<ul><a href="case.html">Case</a></ul>
<ul><a href="products.html">Products</a></ul>
</li>
</div>
```

```

<div class="shop"><button class="shopp">Shop</button></div>
</div>
</header>
<main>
  <div class="on"></div>
  <div class="content">
    <h1>Beats 3</h1>
    <br>
    <h3>Overview</h3>
    <br>
    <p>Enjoy award-winning Beats sound with <br> wireless listening freedom and a sleek, <br>streamlined design with comfortable <br> padded earphones, delivering first-rate <br>playback</p> <br>
    <button class="bag">&nbsp; Add to Bag &nbsp; <span><b>N399K</b></span> </button>
  </div>

  <div class="companies">
    <div class="c1"></div>
    <div class="c2"></div>
    <div class="c3"></div>
    <div class="c4"></div>
  </div>
  <div class="specs"></div>

  <div class="spec">
    <div class="info">
      <div class="blu"><p><span>Connection</span> <br> Bluetooth 6.2</p> </div>
      <div class="bat"><p><span>Battery</span> <br> Duration 40h </p></div>
      <div class="chrg"><p><span>Load</span> <br> Fast Charge 4.2-AAO</p></div>
      <div class="mic"><p><span>Microphone</span> <br> Supports Apple Siri <br> and Google</p></div>
    </div>
    <div class="specimg"></div>
  </div>
  <div class="case">
    
    <div class="casei">
      <div class="caselogo"></div>
    <div class="add">

```

```


<div class="products">
    <div class="black"><br><h4>Black</h4><br><p class="b">N299K</p> </div>
    <div class="red"><br><h4>Red Black</h4><br><p class="r">N299K</p> </div>
    <div class="gold"><br><h4>Night Black</h4><br><p class="g">N299K</p> </div>
    <div class="blue"><br><h4>Blue</h4><br><p class="bl">N299K</p> </div>
    <div class="cream"><br><h4>Black</h4><br><p class="c">N299K</p> </div>
</div>
</div>
</main>
<footer>
    <div class="foot">
        
    </div>
    <div class="prod"><p class="pr">Products</p>
        <br> <br>
        <li class="ft">
            <ul><a href="#">Headphones</a></ul>
            <ul><a href="#">Earphones</a></ul>
            <ul><a href="#">Earbuds</a></ul>
            <ul><a href="#">Accessories</a></ul>
        </li></div>
    <div class="prod"><p class="pr">Support</p>
        <br> <br>
        <li class="ft">
            <ul><a href="#">Product Help</a></ul>
            <ul><a href="#">Register</a></ul>
            <ul><a href="#">Updates</a></ul>
            <ul><a href="#">Provides</a></ul>
        </li></div>
    <div class="mail">
        <input type="email" placeholder="Email" class="em">
        <button class="sb">  &nbsp;
        Subscribe</button>
        <div class="conta">
            <button class="cont1"></button>

```

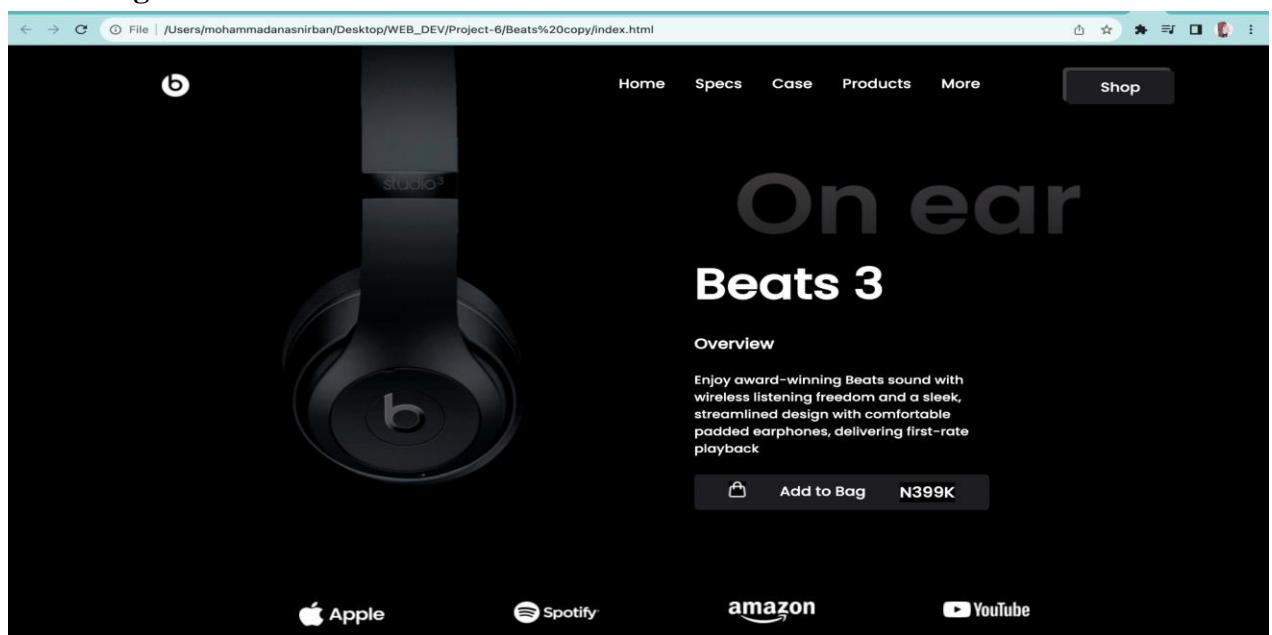
```

<button class="cont1"></button>
<button class="cont1"></button>
<button class="cont1"></button>
</div>
</div>
<div class="up">
    
</div>
</body></html>

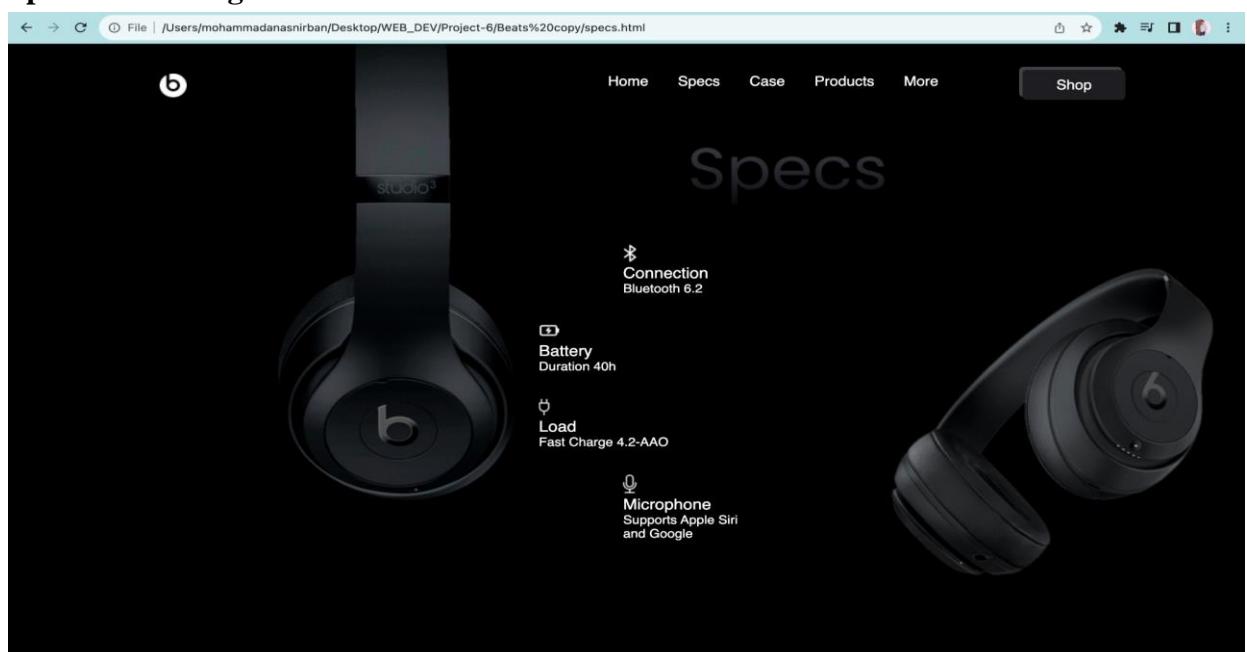
```

OUTPUTS:

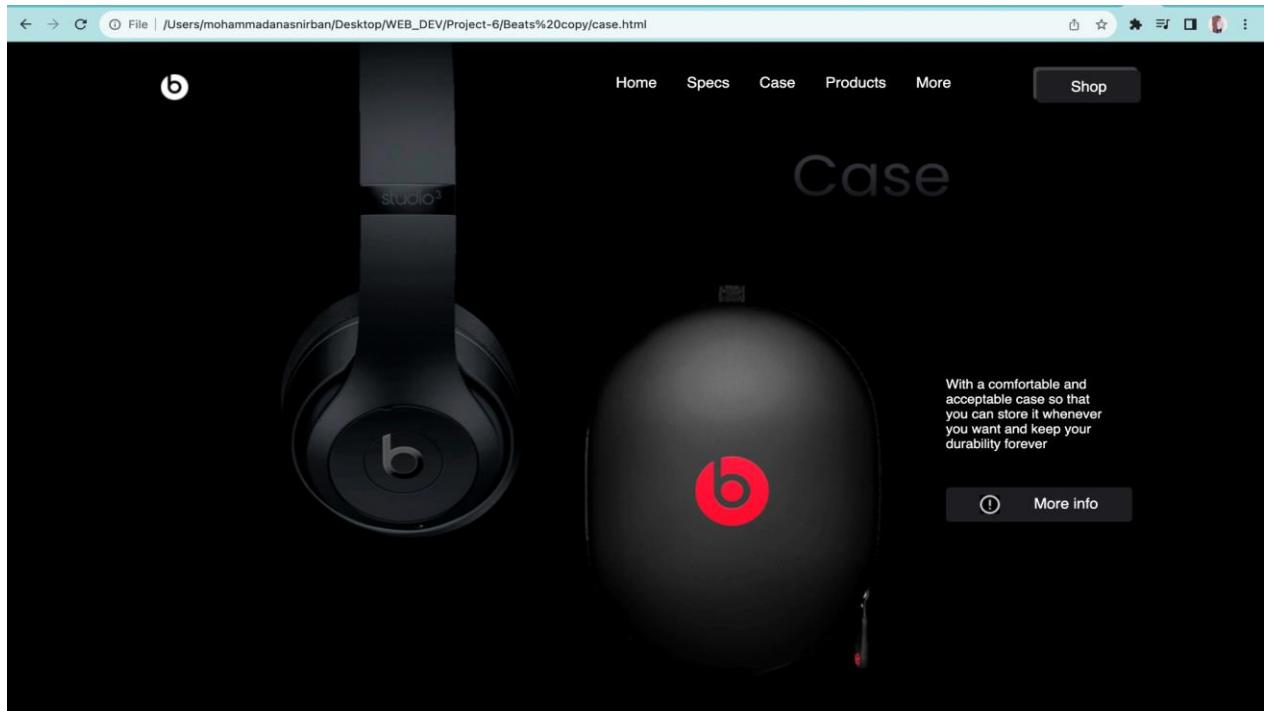
Home Page



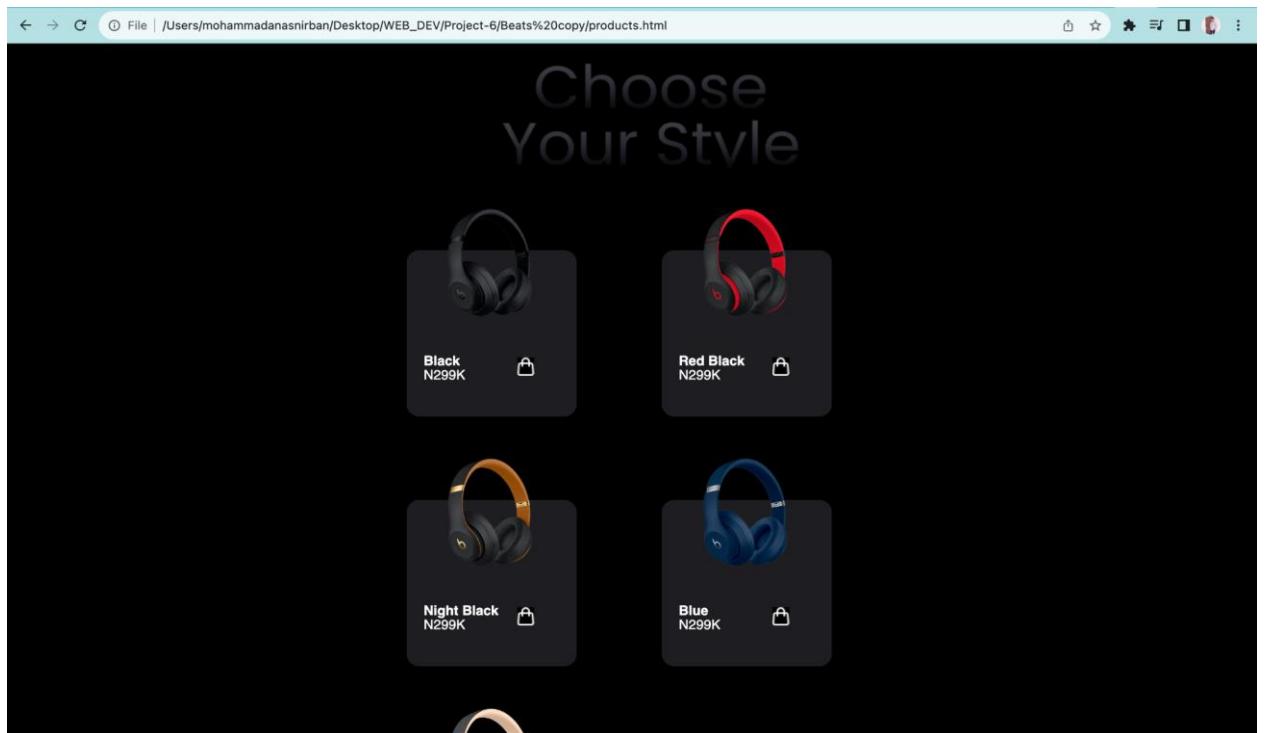
Specification Page



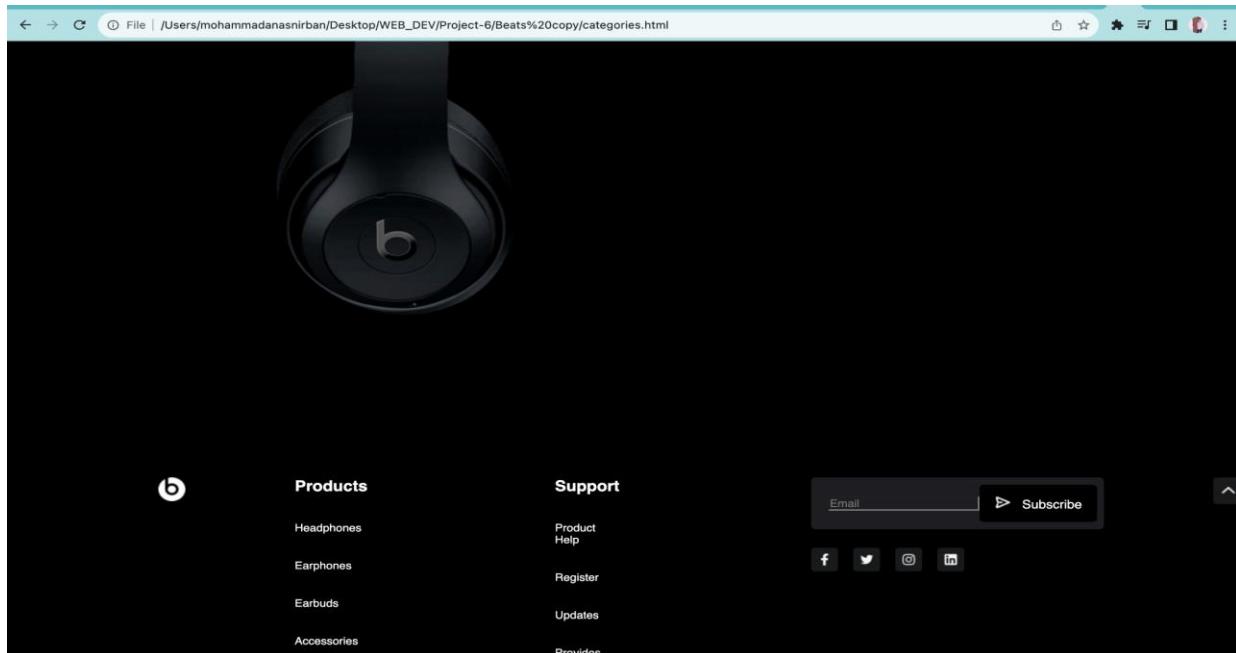
Case Page



Products Page



More Info Page



10. Conclusion:

- Write what was performed in the experiment
- Write which all features of HTML and CSS you used to perform the experiment •

Enlist the references

11. References:

- HTML 5 Black Book (Covers CSS3, JavaScript, XML, XHTML, AJAX, PHP, jQuery) 2Ed., DT Editorial Services
- <https://www.w3schools.com/html/default.asp>
- <https://www.youtube.com/watch?v=qz0aGYrrlhU>
- <https://www.tutorialspoint.com/html/index.htm>
- https://spoken-tutorial.org/tutorial_search/?search_foss=HTML&search_language=English
- <https://www.youtube.com/watch?v=1Rs2ND1ryYc>
- <https://www.tutorialspoint.com/css/index.htm>
- <https://spoken-tutorial.org/watch/HTML/Forms+in+HTML/English/>
- <https://spoken-tutorial.org/watch/HTML/More+on+Forms/English/>