

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

**Class: TE IT B**

**Academic Year: 2023-2024**

**Experiment – 4**  
**Mini-Project using HTML/CSS3**

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**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
  - Block 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
- 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 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">

```

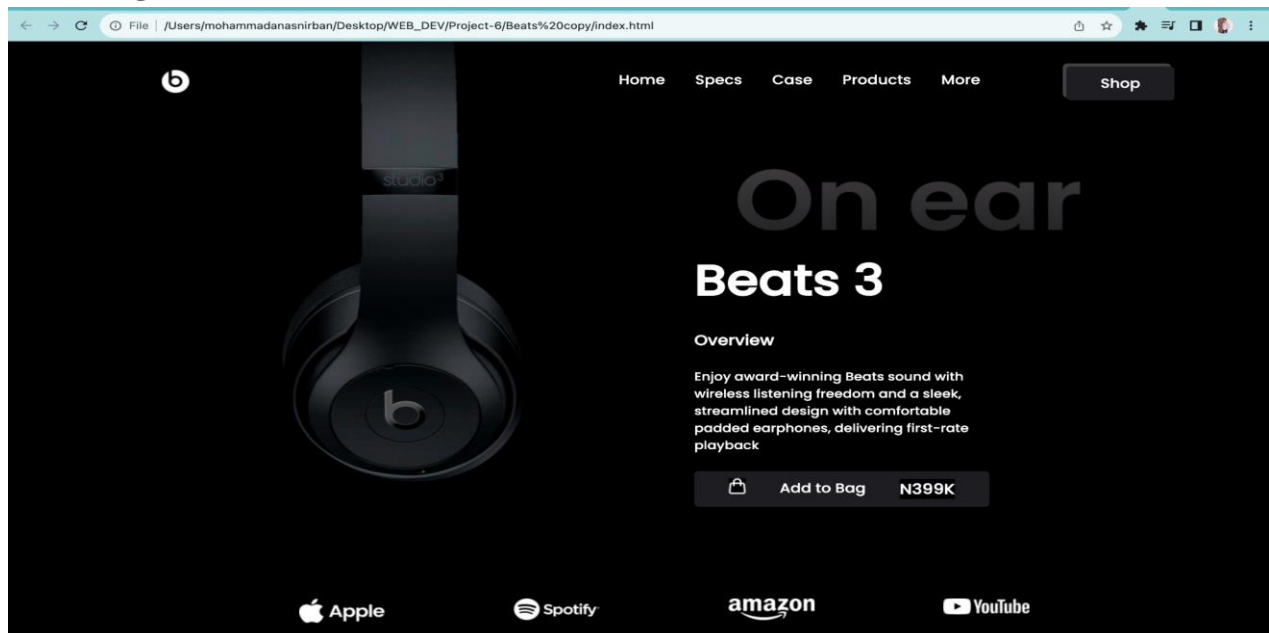
```

<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>
```

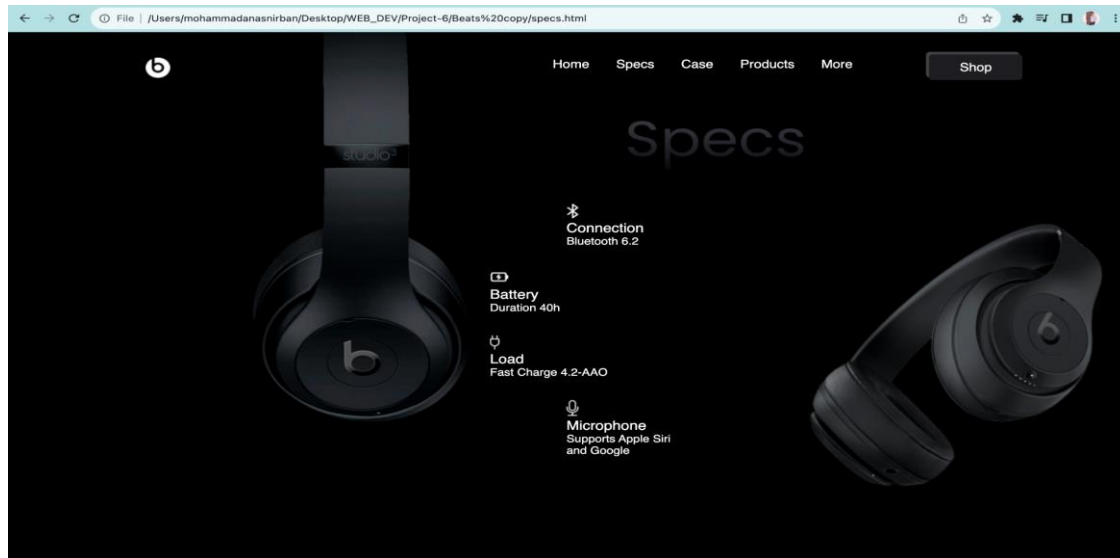
```
<div class="conta">
  <button class="cont1"></button>
  <button class="cont1"></button>
  <button class="cont1"></button>
  <button class="cont1"></button>
</div>
</div>
<div class="up">
   </div>
</footer></body></html>
```

## OUTPUTS:

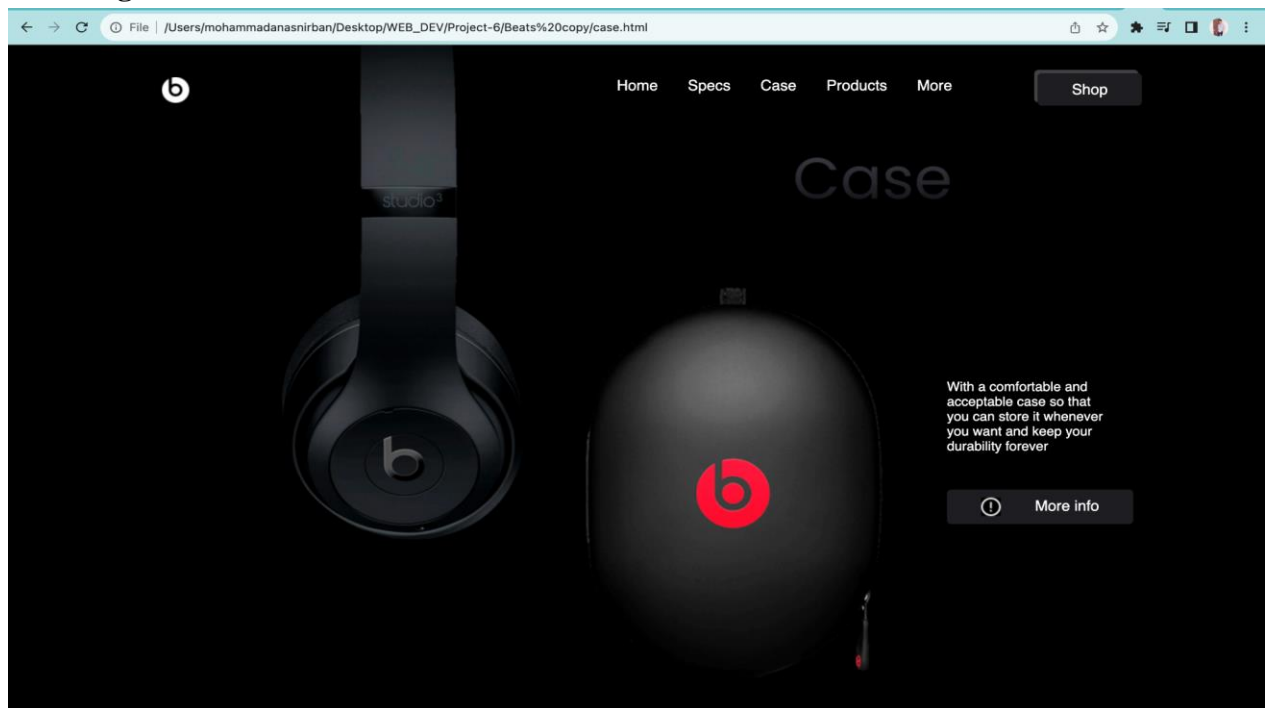
### Home Page



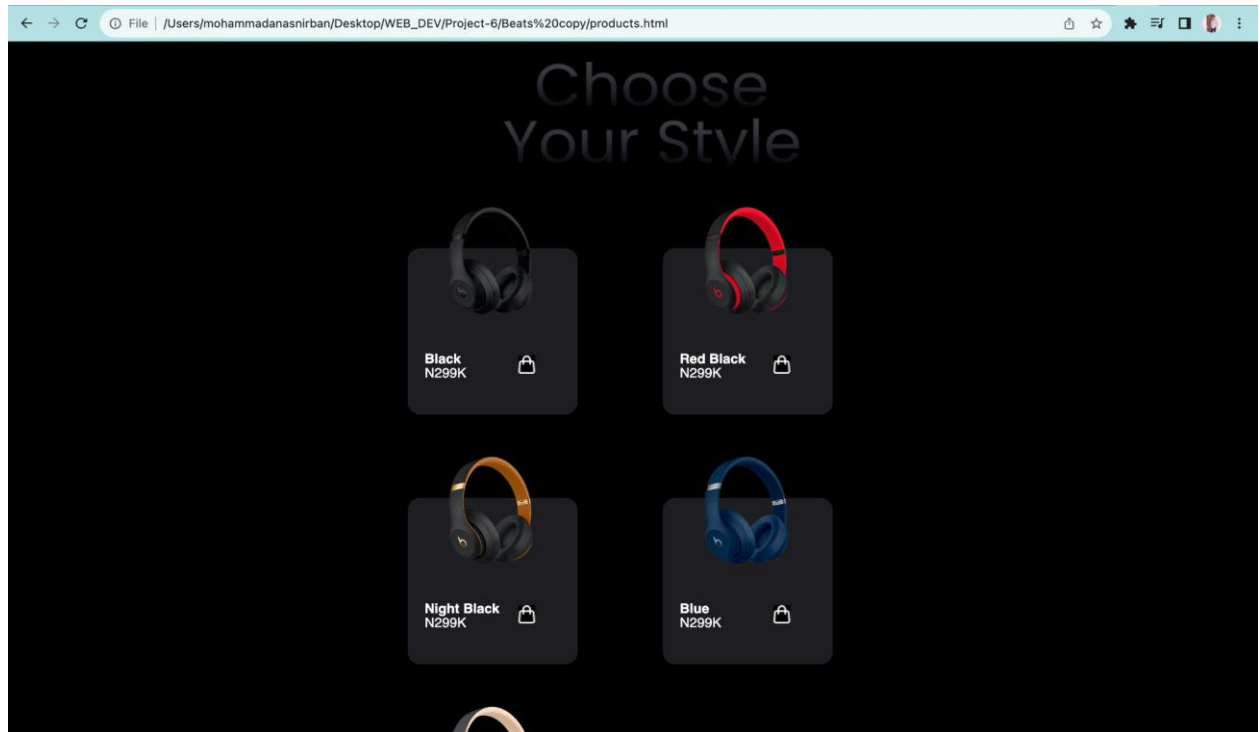
## Specification Page



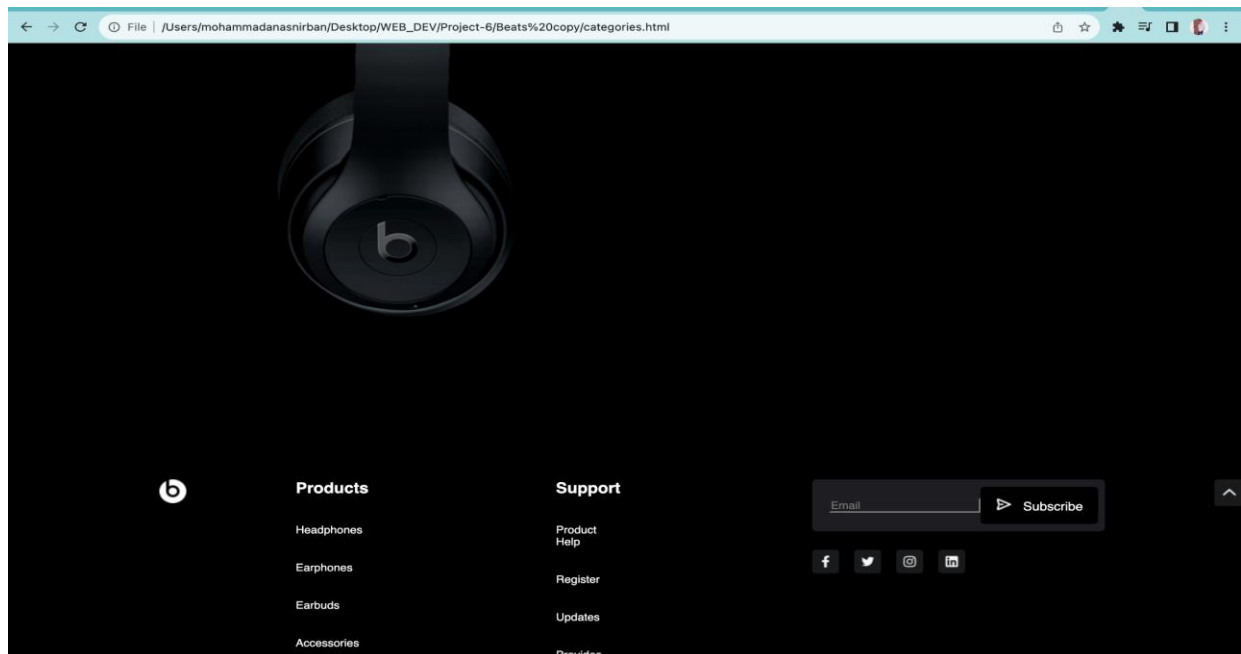
## Case Page



## 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://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/>