

## Experiment -4

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**UID:** 24MCA20045

**Branch:** MCA

**Section/Group:** 24MCA1-A

**Semester:** 2

**Date of Performance:** 24 FEB 2025

**Subject Name:** Front-End Technologies

**Subject Code:** 24CAH-655

- **Aim/Overview:**

- The aim of this project is to create a responsive Amazon clone website using Bootstrap. It involves replicating key e-commerce features such as product listings, navigation, and cart functionality. The project will enhance front-end development skills by implementing a mobile-friendly design with Bootstrap components.

- **Task to be done:**

- Improve responsiveness using Bootstrap grid and media queries
- Add a navigation bar with dropdowns for categories.
- Include a search bar with autocomplete functionality.
- Create a carousel for featured products.
- Implement a product grid with hover effects.
- Design an individual product details page.
- Add an “Add to Cart” button for each product.

- **Code for experiment/practical:**

### HTML code

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Amazon</title>
  <link rel="stylesheet" href="amazonpractice.css">
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css" rel="stylesheet">
  <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/js/bootstrap.bundle.min.js"></script>
</head>
<body>
  <!-- Navbar -->
  <nav class="navbar navbar-expand-lg navbar-dark bg-dark border border-white rounded p-2">
```

```

<div class="container-fluid d-flex align-items-center">
  <a class="navbar-brand fw-bold text-white" href="#"><strong>Amazon</strong></a>

<div class="delivery-location text-white mx-3 d-none d-lg-flex">
  
  <span>Deliver to: <strong>Your Location</strong></span>
</div>
<form class="d-flex mx-auto w-50">
  <input class="form-control me-2" type="search" placeholder="Search" aria-label="Search">
</form>
<button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarNav">
  <span class="navbar-toggler-icon"></span>
</button>
<div class="collapse navbar-collapse justify-content-end" id="navbarNav">
  <a class="nav-link text-white" href="#">Language</a>
</div>
</div>
</div>

<section class="container-fluid navOptions">
  <a href="#"> <i class="fas fa-bars"></i> All</a>
  <a href="#">best Sellers</a>
  <a href="#">new releases</a>
  <a href="#">home & kitchen</a>
  <a href="#">today's deals</a>
</section>

<br>

<!-- Sliding Deals Section -->
<div id="carouselDeals" class="carousel slide" data-bs-ride="carousel">
  <div class="carousel-inner">
    <div class="carousel-item active">
      

</div>
<div class="carousel-item">
  
</div>
<div class="carousel-item">
  

```

```

</div>
</div>
<button class="carousel-control-prev" type="button" data-bs-target="#carouselDeals" data-bs-slide="prev">
<button class="carousel-control-next" type="button" data-bs-target="#carouselDeals" data-bs-slide="next">
<span class="carousel-control-next-icon" aria-hidden="true"></span>
  <span class="visually-hidden">Next</span>
</button>
</div>

<!-- Product Listing -->
<div class="container product-container">
  <h2 class="text-center">Featured Products</h2>
    
    <div class="card-body">
      <h5 class="card-title">Samsung Galaxy Watch Ultra</h5>
      <p class="card-text"><strong>₹38,400</strong> <sub>M.R.P <del>₹69,999</del> (45%
off)</sub></p>
      <button class="btn btn-warning">Add to Cart</button>
      <button class="btn btn-dark">Buy Now</button>
    </div>
  </div>
</div>
<div class="col-md-3">
  <h5 class="card-title">ASUS TUF Gaming F15</h5>
  <p class="card-text"><strong>₹79,990</strong> <sub>M.R.P <del>₹1,16,999</del> (32%
off)</sub></p>
  <button class="btn btn-warning">Add to Cart</button>
  <button class="btn btn-dark">Buy Now</button>
</div>
</div>
<div class="col-md-3">
  <h5 class="card-title">Samsung Galaxy S25 Ultra</h5>
  <p class="card-text"><strong>₹1,16,990</strong><sub> M.R.P <del>₹1,50,000</del> (45%
off)</sub></p>
  <button class="btn btn-warning">Add to Cart</button>
  <button class="btn btn-dark">Buy Now</button>
</div>
</div>
<div class="col-md-3">
  <div class="card">
    
  <div class="card-body">
    <h5 class="card-title">Qubo Smart 360 Camera</h5>

```

<p class="card-text"><strong>₹1490</strong><sub> M.R.P <del>₹5000</del> (35% off)</sub></p>

<button class="btn btn-warning">Add to Cart</button>

<button class="btn btn-dark">Buy Now</button>

</div>

</div>

</div>

<div class="col-md-3">

<div class="card">

<p class="card-text"><strong>₹27,990</strong><sub> M.R.P <del>₹50,000</del> (55% off)</sub></p>

<button class="btn btn-warning">Add to Cart</button>

<button class="btn btn-dark">Buy Now</button>

</div>

</div>

</div>

<div class="col-md-3">

<div class="card">



<div class="card-body">

<h5 class="card-title">LG 139 cm (55 inches) 4K Ultra HD Smart LED TV 55UR7500PSC (Dark Iron Gray)</h5>

<p class="card-text"><strong>₹50,000</strong><sub> M.R.P <del>₹100,000</del> (50% off)</sub></p>

<button class="btn btn-warning">Add to Cart</button>

<button class="btn btn-dark">Buy Now</button>

</div>

</div>

</div>

<h5 class="card-title">Sandisk 1TB Portable SSD, 800MB/s R, USB 3.2 Gen 2, Rugged SSD with Upto 2 Meter Drop Protection, Type-C to Type-A Cable, PC & Mac Compatible, 3 Y Warranty, External SSD (SDSSDE30-1T00-G26)</h5>

<p class="card-text"><strong>₹11990</strong><sub> M.R.P <del>₹20,000</del> (55% off)</sub></p>

<button class="btn btn-warning">Add to Cart</button>

<button class="btn btn-dark">Buy Now</button>

</div>

</div>

</div>

<div class="col-md-3">

<div class="card">



<div class="card-body">

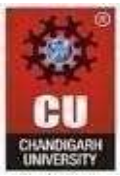
<h5 class="card-title">boAt Airdopes Atom 81 Pro, 100Hrs Battery, 4Mics ENx Tech, 50ms Low Latency, 13mm Drivers, Fast Charge, IPX5, v5.1 Bluetooth TWS in Ear Earbuds Wireless Earphones with mic (Obsidian Noir)</h5>

```

<p class="card-text"><strong>₹20,000</strong><sub> M.R.P <del>₹50,000</del> (30% off)</sub></p>
    <button class="btn btn-warning">Add to Cart</button>
    <button class="btn btn-dark">Buy Now</button>
  </div>
</div>
</div>
<div class="col-md-3">
  <div class="card">
    <p class="card-text"><strong>₹1990</strong><sub> M.R.P <del>₹5000</del> (55%
off)</sub></p>
    <button class="btn btn-warning">Add to Cart</button>
    <button class="btn btn-dark">Buy Now</button>
  </div>
</div>
</div>
<div class="col-md-3">
  <div class="card">
    
    <div class="card-body">
      <h5 class="card-title">Logitech K580 Slim Multi-Device Wireless Keyboard Bluetooth/Receiver,
Compact, Easy Switch, 24 Month Battery, Win/Mac, Desktop, Tablet, Smartphone, Laptop Compatible -
Graphite</h5>
      <p class="card-text"><strong>₹1990</strong><sub> M.R.P <del>₹5000</del> (45%
off)</sub></p>
      <button class="btn btn-warning">Add to Cart</button>
      <button class="btn btn-dark">Buy Now</button>
    </div>
  </div>
</div>
</div>
<div class="col-md-3">
  <div class="card">
    
    <div class="card-body">
      <h5 class="card-title">boAt Partypal 300/320 Speaker with 120 W Signature Sound, Karaoke with Built-in Mic,
Up to 6 hrs Playtime, TWS Mode, Bluetooth v5.3, AUX Port, & USB Type-C Port(Premium Black)</h5>
      <p class="card-text"><strong>₹14,990</strong><sub> M.R.P <del>₹50,000</del> (65%
off)</sub></p>
      <button class="btn btn-warning">Add to Cart</button>
      <button class="btn btn-dark">Buy Now</button>
    </div>
  </div>
</div>
</div>
<div class="col-md-3">
  <div class="card">
    

```

```
<div class="card-body">
  <p class="card-text"><strong>₹24,990</strong><sub> M.R.P <del>₹50,000</del> (45%
off)</sub></p>
  <button class="btn btn-warning">Add to Cart</button>
  <button class="btn btn-dark">Buy Now</button>
</div>
</div>
</div>
</div>
<div class="footer">
  <div class="footer-container">
    <div class="footer-column">
      <h4>Get to Know Us</h4>
      <ul>
        <li><a href="#">About Amazon</a></li>
        <li><a href="#">Amazon Science</a></li>
      </ul>
    </div>
    <div class="footer-column">
      <h4>Connect with Us</h4>
      <ul>
        <li><a href="#">Facebook</a></li>
        <li><a href="#">Instagram</a></li>
      </ul>
    </div>
    <div class="footer-column">
      <h4>Make Money with Us</h4>
      <ul>
        <li><a href="#">Sell on Amazon</a></li>
        <li><a href="#">Advertise Your Products</a></li>
        <li><a href="#">Amazon Pay on Merchants</a></li>
      </ul>
    </div>
    <div class="footer-column">
      <h4>Let Us Help You</h4>
      <ul>
        <li><a href="#">Your Account</a></li>
        <li><a href="#">Help</a></li>
      </ul>
    </div>
  </div>
</div>
</div>
```



</body>

</html>

## CSS code

```
/* General Styling */
body {
    font-family: Arial, sans-serif;
    background-color: #f8f9fa;
}

/* Navbar */
.navbar {
    padding: 10px 20px;
}

.navbar .delivery-location {
    font-size: 14px;
}

/* Styling for the navigation section */
.container-fluid.navOptions {
    background-color: #232f3e;
}

/* Styling for navigation links */
.container-fluid.navOptions a {
    color: rgb(248, 241, 241);
    transition: background 0.3s ease;
}

/* Hover effect */
.container-fluid.navOptions a:hover {
    background-color: rgba(255, 255, 255, 0.2);
}

/* Icon styles */
.container-fluid.navOptions i {
    margin-right: 5px;
}

@media (max-width: 768px) {
    .container-fluid.navOptions {
        overflow-x: scroll;
    }
}
```

```
.carousel img {  
    height: 400px;  
    object-fit: fill;  
}  
  
/* Product Section */  
.product-container {  
    margin-top: 30px;  
}  
  
.card {  
    border-radius: 10px;  
    box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);  
}  
  
.card img {  
    height: 300px;  
    object-fit: fill;  
}  
  
.footer-container {  
    display: flex;  
    justify-content: space-around;  
    max-width: 1200px;  
    margin: 0 auto;  
}  
  
.footer-column {  
    width: 22%;  
}  
  
.footer-column h4 {  
    font-size: 16px;  
    font-weight: bold;  
}  
  
.footer-column ul {  
    list-style: none;  
    padding: 0;  
}  
  
.footer-column ul li {  
    margin: 8px 0;  
}  
  
.footer-column ul li a {  
    text-decoration: none;
```



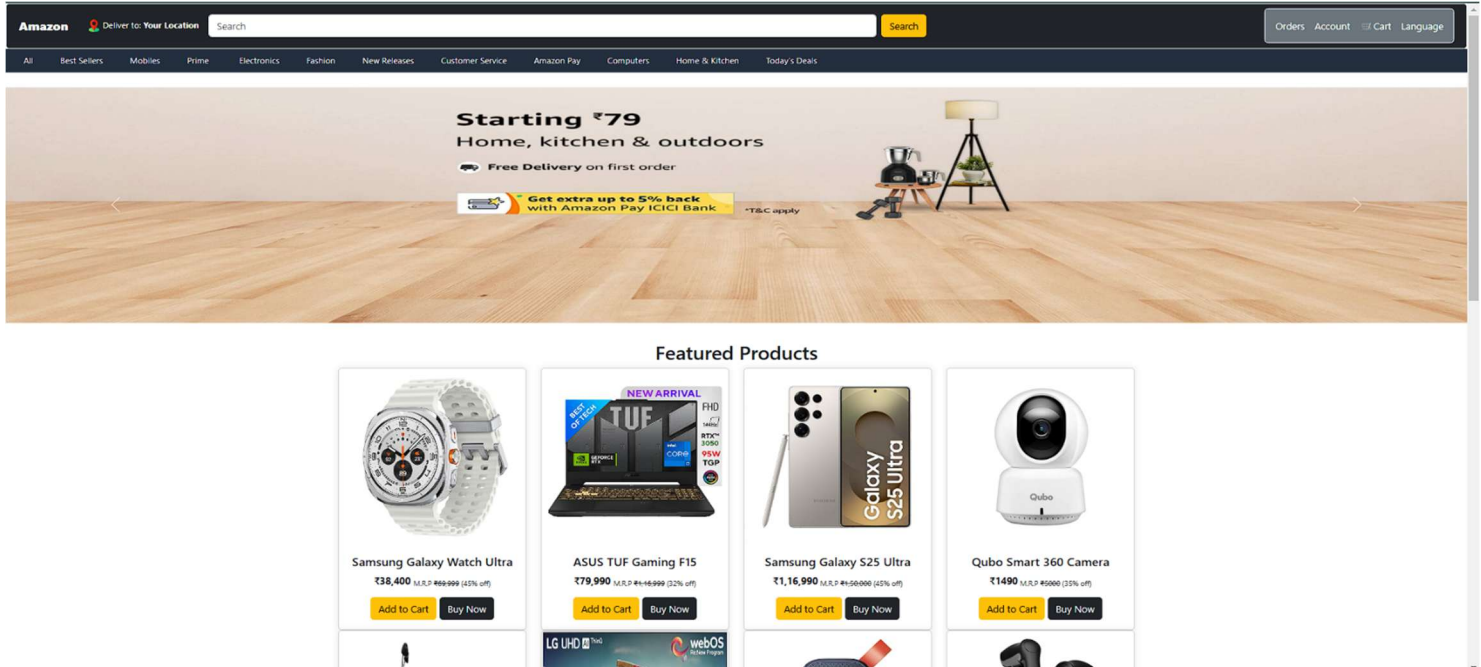
```
color: white;
}
```

```
.footer-column ul li a:hover {
  text-decoration: underline;
}
```

```
@media (max-width: 768px) {
  .footer-container {
    flex-direction: column;
  }
```

```
.footer-column {
  width: 100%;
  margin-bottom: 20px;
}
}
```

## • OUTPUT: -



Registration or DL Required, (40Km, Blue)  
**₹27,990** M.R.P. ₹50,000 (43% off)

[Add to Cart](#) [Buy Now](#)

Gray)  
**₹50,000** M.R.P. ₹100,000 (50% off)


[Add to Cart](#) [Buy Now](#)

Meter Drop Protection, Type-C to Type-A Cable, PC & Mac Compatible, 3 Y Warranty, External SSD (SDSDE30-1T00-G26)  
**₹11,990** M.R.P. ₹20,000 (40% off)

[Add to Cart](#) [Buy Now](#)


13mm Drivers, Fast Charge, IPX5, v5.1 Bluetooth TWS in Ear Earbuds Wireless Earphones with mic (Obsidian Noir)  
**₹20,000** M.R.P. ₹40,000 (50% off)

[Add to Cart](#) [Buy Now](#)




boAt Rockerz 255 Z Plus, AI-ENx Tech, Spatial Audio, 50HRS Battery, Low Latency Mode, Fast Charge, App Support, IPX4, GPP5, BT v5.3, Bluetooth Neckband, Wireless with Mic Earphones (Pine Green)  
**₹1,990** M.R.P. ₹5,000 (60% off)

[Add to Cart](#) [Buy Now](#)




Logitech K580 Slim Multi-Device Wireless Keyboard Bluetooth/Receiver, Compact, Easy Switch, 24 Month Battery, Win/Mac, Desktop, Tablet, Smartphone, Laptop Compatible - Graphite  
**₹1,990** M.R.P. ₹5,000 (60% off)

[Add to Cart](#) [Buy Now](#)



boAt PartyPal 300/320 Speaker with 120 W Signature Sound, Karaoke with Built-in Mic, Up to 6 hrs Playtime, TWS Mode, Bluetooth v5.3, AUX Port, & USB Type-C Port(Premium Black)  
**₹14,990** M.R.P. ₹30,000 (50% off)

[Add to Cart](#) [Buy Now](#)



JBL Cinema SB190 Deep Bass, Dolby Atmos Soundbar with Wireless Subwoofer for Extra Deep Bass, 2.1 Channel with Remote, Sound Mode for Voice Clarity, HDMI eARC, Bluetooth & Optical Connectivity (380W)  
**₹24,990** M.R.P. ₹50,000 (50% off)

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Make Money with Us  
Sell on Amazon  
Become an Affiliate  
Fulfillment by Amazon  
Advertise Your Products  
Amazon Pay on Merchants

Let Us Help You  
Your Account  
Returns Centre  
Recalls and Product Safety Alerts  
100% Purchase Protection  
Amazon App Download  
Help

## 5. Learning outcomes (What I have learnt):

- **HTML Structure & Semantic Elements** – Understanding how to structure a webpage using proper tags (header, nav, section, article, footer, etc.).
- **CSS Styling & Layouts** – Learning to use CSS Flexbox & Grid for layout design.
- **Bootstrap Components & Classes** – Using Bootstrap Grid, Navbar, Cards, Carousel, Buttons, Forms, and Modals to build a responsive UI. Buttons & Alerts.
- **Responsive Design** – Making the website mobile-friendly using Bootstrap and CSS media queries.
- **CSS Animations & Effects** – Adding hover effects, transitions, and shadows for a better user experience.

Sr. No.	Parameters	Marks Obtained	Maximum Marks
1.	Worksheet		8 Marks
2.	Viva		10 Marks
3.	Simulation		12 Marks
	Total		30 Marks

Teacher Signature |