

## **Week2\_Day4\_Hands\_On\_Koduru\_Ushasree**

### **Level-1 Problem 1: Responsive Personal Portfolio Homepage**

#### **Scenario:**

You are designing a responsive personal portfolio homepage for a fresher web developer who wants to showcase profile information, skills, and contact details.

#### **Requirements**

- Integrate Bootstrap 5 using CDN.
- Create a responsive layout using container, rows, and columns.
- Use Bootstrap grid system with appropriate breakpoints.
- Include components such as navbar, cards (for skills), and buttons.
- Use utility classes for spacing, alignment, and colors.

#### **Code :-**

```
↳ p1.html > ⚡ html > ⚡ body > ⚡ nav.navbar.navbar-expand-lg.navbar-dark.bg-dark > ⚡ div.container > ⚡ a.navbar-brand
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      <title>Personal Portfolio</title>
7      <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/css/bootstrap.min.css" 
8          |   rel="stylesheet">
9  </head>
10 <body>
11     <nav class="navbar navbar-expand-lg navbar-dark bg-dark">
12         <div class="container">
13             <a class="navbar-brand" href="#">My Portfolio</a>
14
15             <button class="navbar-toggler" type="button"
16                 data-bs-toggle="collapse"
17                 data-bs-target="#navbarNav">
18                 <span class="navbar-toggler-icon"></span>
19             </button>
```

```

19     </button>
20
21     <div class="collapse navbar-collapse" id="navbarNav">
22         <ul class="navbar-nav ms-auto">
23             <li class="nav-item"><a class="nav-link" href="#">Home</a></li>
24             <li class="nav-item"><a class="nav-link" href="#">Skills</a></li>
25             <li class="nav-item"><a class="nav-link" href="#">Contact</a></li>
26         </ul>
27     </div>
28 </div>
29 </nav>
30     <div class="container text-center my-5">
31         <div class="row align-items-center">
32
33             <div class="col-md-6">
34                 <h1 class="fw-bold">Hi, I'm Ushasree 🚩</h1>
35                 <p class="lead">
36                     Fresher Web Developer passionate about building responsive
37                     and interactive websites.
38                 </p>
39                 <button class="btn btn-primary me-2">Hire Me</button>
40                 <button class="btn btn-outline-dark">Download CV</button>
41             </div>
42
43             <div class="col-md-6">
44                 
47             </div>
48
49         </div>
50     </div>

```

```

<div class="container my-5">
    <h2 class="text-center mb-4">My Skills</h2>

    <div class="row g-4">
        <div class="col-sm-6 col-lg-4">
            <div class="card text-center p-3">
                <div class="card-body">
                    <h5 class="card-title">HTML</h5>
                    <p class="card-text">
                        Creating structured and semantic webpages.
                    </p>
                    <button class="btn btn-success">Learned</button>
                </div>
            </div>
        </div>

        <div class="col-sm-6 col-lg-4">
            <div class="card text-center p-3">
                <div class="card-body">
                    <h5 class="card-title">CSS</h5>
                    <p class="card-text">
                        Designing responsive layouts and styling.
                    </p>
                    <button class="btn btn-success">Learned</button>
                </div>
            </div>
        </div>
    </div>

```

```

81      <div class="col-sm-6 col-lg-4">
82          <div class="card text-center p-3">
83              <div class="card-body">
84                  <h5 class="card-title">JavaScript</h5>
85                  <p class="card-text">
86                      Adding interactivity to websites.
87                  </p>
88                  <button class="btn btn-success">Learning</button>
89              </div>
90          </div>
91      </div>
92  </div>
93
94  </div>
95 </div>
96 <div class="container my-5">
97     <h2 class="text-center mb-4">Contact Me</h2>
98
99     <div class="row justify-content-center">
100         <div class="col-md-6 text-center">
101             <p>Email: usha@email.com</p>
102             <p>Phone: +91 XXXXX XXXXX</p>
103             <button class="btn btn-dark">Send Message</button>
104         </div>
105     </div>
106 </div>
107 <footer class="bg-dark text-white text-center p-3"><p class="mb-0">© 2026 My Portfolio | Built with Bootstrap 5</p></footer>
108 <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/js/bootstrap.bundle.min.js"></script>
109 </body>
110 </html>

```

## Output :-

My Portfolio Home Skills Contact

**Hi, I'm Ushasree**

Fresher Web Developer passionate about building responsive and interactive websites.

[Hire Me](#) [Download CV](#)

Profile

### My Skills

**HTML**

Creating structured and semantic webpages.

Learned

**CSS**

Designing responsive layouts and styling.

Learned

**JavaScript**

Adding interactivity to websites.

Learning

### Contact Me

Email: usha@email.com

Phone: +91 XXXXX XXXXX

## **Technical Requirements :-**

The responsive personal portfolio homepage must be developed using HTML5 and Bootstrap 5 integrated through CDN links without using any local Bootstrap files. The layout should be structured using Bootstrap's grid system consisting of container, row, and column classes to ensure proper alignment and responsiveness. Appropriate breakpoint classes must be applied so that the webpage adapts smoothly across mobile, tablet, and desktop devices. Bootstrap components such as navbar, cards, and buttons should be used to display profile information and skills effectively.

## **Level-1 Problem 2: Product Listing Page Using Bootstrap**

### **Scenario:**

Create a responsive product listing page for an online electronics store displaying multiple products in card format.

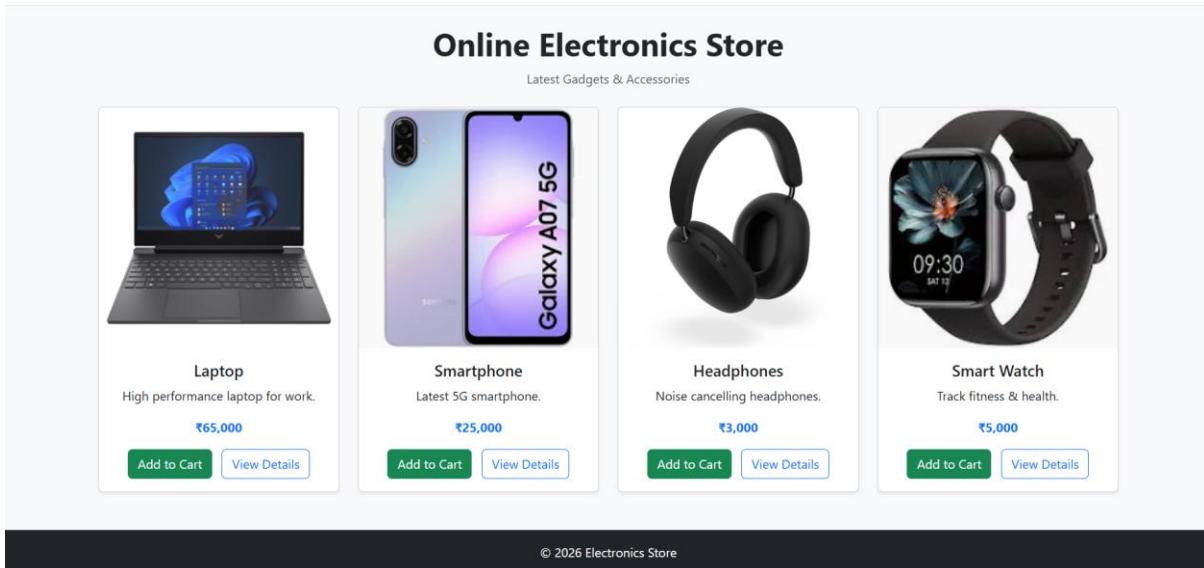
### **Requirements**

- Use Bootstrap grid to display products in 1 column (mobile), 2 columns (tablet), and 4 columns (desktop).
- Each product should be displayed using Bootstrap Card component.
- Include buttons such as “Add to Cart” and “View Details”.
- Use spacing utilities and background color utilities.

## Code :-

```
④ p2.html > ⚡ html > ⚡ body.bg-light
1   <!DOCTYPE html>
2   <html lang="en">
3     <head>
4       <meta charset="UTF-8">
5       <meta name="viewport" content="width=device-width, initial-scale=1">
6       <title>Electronics Store</title>
7       <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/css/bootstrap.min.css" rel="stylesheet">
8     </head>
9     <body class="bg-light">
10    <div class="container text-center my-4">
11      <h1 class="fw-bold">Online Electronics Store</h1>
12      <p class="text-muted">Latest Gadgets & Accessories</p>
13    </div>
14    <div class="container">
15      <div class="row g-4">
16        <!-- Product 1 -->
17        <div class="col-12 col-md-6 col-lg-3">
18          <div class="card h-100 shadow-sm">
19            
21            <div class="card-body text-center">
22              <h5 class="card-title">Laptop</h5>
23              <p class="card-text">High performance laptop for work.</p>
24              <p class="fw-bold text-primary">₹65,000</p>
25              <button class="btn btn-success me-2">Add to Cart</button>
26              <button class="btn btn-outline-primary">View Details</button>
27            </div>
28          </div>
29        </div>
30        <!-- Product 2 -->
31        <div class="col-12 col-md-6 col-lg-3">
32          <div class="card h-100 shadow-sm">
33            
35            <div class="card-body text-center">
36              <h5 class="card-title">Smartphone</h5>
37              <p class="card-text">Latest 5G smartphone.</p>
38
39              <p class="fw-bold text-primary">₹25,000</p>
40              <button class="btn btn-success me-2">Add to Cart</button>
41              <button class="btn btn-outline-primary">View Details</button>
42            </div>
43        </div>
44        <!-- Product 3 -->
45        <div class="col-12 col-md-6 col-lg-3">
46          <div class="card h-100 shadow-sm">
47            
49            <div class="card-body text-center">
50              <h5 class="card-title">Headphones</h5>
51              <p class="card-text">Noise cancelling headphones.</p>
52              <p class="fw-bold text-primary">₹3,000</p>
53              <button class="btn btn-success me-2">Add to Cart</button>
54              <button class="btn btn-outline-primary">View Details</button>
55            </div>
56          </div>
57        </div>
58        <!-- Product 4 -->
59        <div class="col-12 col-md-6 col-lg-3">
60          <div class="card h-100 shadow-sm">
61            
63            <div class="card-body text-center">
64              <h5 class="card-title">Smart Watch</h5>
65              <p class="card-text">Track fitness & health.</p>
66              <p class="fw-bold text-primary">₹5,000</p>
67              <button class="btn btn-success me-2">Add to Cart</button>
68
69              <button class="btn btn-outline-primary">View Details</button>
70            </div>
71          </div>
72        </div>
73      </div>
74    </div>
75    <footer class="bg-dark text-white text-center p-3 mt-5">
76      <p class="mb-0">© 2026 Electronics Store</p>
77    </footer>
78    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/js/bootstrap.bundle.min.js"></script>
79  </body>
80 </html>
```

## **Output :-**



## **Technical Requirements :-**

The product listing page must be implemented using Bootstrap 5 CDN and structured entirely with built-in Bootstrap classes. The Bootstrap grid system should be used to display products responsively in one column on mobile devices, two columns on tablets, and four columns on desktop screens using proper breakpoint classes. Each product must be presented using Bootstrap card components containing product details and action buttons such as “Add to Cart” and “View Details.”

## **Level-2 Problem 3: College Event Management Dashboard**

### **Scenario:**

Design a responsive dashboard for managing college events including event list, add event form, and navigation.

### **Requirements**

- Use Bootstrap navbar with collapse functionality.

- Implement responsive grid layout for dashboard sections.
- Use form components for event registration.
- Implement modal for adding new events.
- Use Bootstrap utilities for alignment and spacing.

## Code :-

```

p3.html > html > body.bg-light > div.container.my-4
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4  <meta charset="UTF-8">
5  <meta name="viewport" content="width=device-width, initial-scale=1">
6  <title>College Event Dashboard</title>
7  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/css/bootstrap.min.css" rel="stylesheet">
8  </head>
9  <body class="bg-light">
10 <nav class="navbar navbar-expand-lg navbar-dark bg-primary">
11 <div class="container-fluid">
12 <a class="navbar-brand" href="#">College Events</a>
13 <button class="navbar-toggler" type="button"
14 data-bs-toggle="collapse"
15 data-bs-target="#navMenu">
16 <span class="navbar-toggler-icon"></span>
17 </button>
18 <div class="collapse navbar-collapse" id="navMenu">
19 <ul class="navbar-nav ms-auto">
20 <li class="nav-item"><a class="nav-link active" href="#">Dashboard</a></li>
21 <li class="nav-item"><a class="nav-link" href="#">Events</a></li>
22 <li class="nav-item"><a class="nav-link" href="#">Students</a></li>
23 </ul>
24 </div>
25 </div>
26 </nav>
27 <div class="container my-4">
28 <div class="row g-4">
29 <div class="col-12 col-lg-8">
30 <div class="card shadow-sm h-100">
31 <div class="card-header d-flex justify-content-between align-items-center">
32 <h5 class="mb-0">Upcoming Events</h5>
33 <!-- Modal Button -->
34 <button class="btn btn-success" data-bs-toggle="modal" data-bs-target="#eventModal">Add Event</button>
35 </div>
36 <div class="card-body">
37 <ul class="list-group">
38   <li class="list-group-item">Tech Fest - March 10</li>
39   <li class="list-group-item">Cultural Day - March 15</li>
40   <li class="list-group-item">Hackathon - March 20</li>
41 </ul>
42 </div>
43 </div>
44 </div>
45 <div class="col-12 col-md-6 col-lg-4">
46 <div class="card text-center shadow-sm">
47 <div class="card-body">
48 <h5>Total Events</h5>
49 <h2 class="text-primary">12</h2>
50 </div>
51 </div>
52 </div>

```

```

53  <div class="col-12 col-md-6 col-lg-4">
54    <div class="card text-center shadow-sm">
55      <div class="card-body">
56        <h5>Registered Students</h5>
57        <h2 class="text-success">320</h2>
58      </div>
59    </div>
60  </div>
61 </div></div>
62 <div class="modal fade" id="eventModal" tabindex="-1">
63   <div class="modal-dialog">
64     <div class="modal-content">
65       <div class="modal-header">
66         <h5 class="modal-title">Add New Event</h5>
67         <button type="button" class="btn-close" data-bs-dismiss="modal"></button>
68       </div>
69       <div class="modal-body">
70         <form class="needs-validation" novalidate>
71           <div class="mb-3">
72             <label class="form-label">Event Name</label>
73             <input type="text" class="form-control" required>
74             <div class="invalid-feedback">Please enter event name.</div>
75           </div>
76           <div class="mb-3">
77             <label class="form-label">Event Date</label>
78             <input type="date" class="form-control" required>
79             <div class="invalid-feedback">Select event date.</div>
80           </div>
81           <div class="mb-3">
82             <label class="form-label">Department</label>
83             <input type="text" class="form-control" required>
84             <div class="invalid-feedback">Enter department name.</div>

```

```

86           <div class="mb-3">
87             <label class="form-label">Description</label>
88             <textarea class="form-control" required></textarea>
89             <div class="invalid-feedback">Provide description.</div>
90           </div>
91           <button class="btn btn-primary w-100" type="submit">Save Event</button>
92         </form>
93       </div>
94     </div>
95   </div>
96 </div>
97 <footer class="bg-dark text-white text-center p-3 mt-4">College Event Dashboard © 2026</footer>
98 <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/js/bootstrap.bundle.min.js"></script>
99 <script>(() => {
100   'use strict'
101   const forms = document.querySelectorAll('.needs-validation')
102   Array.from(forms).forEach(form => {
103     form.addEventListener('submit', event => {
104       if (!form.checkValidity()) {
105         event.preventDefault()
106         event.stopPropagation()
107       }
108       form.classList.add('was-validated')
109     }, false)
110   })
111 })();
112 </script>
113 </body>
114 </html>

```

## **Output :-**

The screenshot shows a dashboard titled "College Events". At the top right, there are links for "Dashboard", "Events", and "Students". Below the title, there are two main sections: "Upcoming Events" and "Total Events". The "Upcoming Events" section lists three events: "Tech Fest - March 10", "Cultural Day - March 15", and "Hackathon - March 20", each with a small description box. A green "Add Event" button is located at the top right of this section. The "Total Events" section displays the number "12" in blue. Below these sections, there is a box for "Registered Students" showing the number "320" in green. At the bottom of the dashboard, a dark footer bar contains the text "College Event Dashboard © 2026".

## **Technical Requirements :-**

The college event management dashboard must be created using Bootstrap 5 via CDN while ensuring a responsive and structured dashboard layout. A responsive navigation bar with collapse functionality must be implemented for smaller devices. Dashboard sections should be organized using Bootstrap's grid system with proper breakpoint usage including sm, md, lg, and xl classes. Event registration should be handled through Bootstrap form components with validation styling applied using built-in classes. A modal component must be implemented for adding new events, functioning correctly using the Bootstrap JavaScript bundle.

## **Level-2 Problem 4: E-Commerce Landing Page with Advanced Features**

### **Scenario:**

Build a professional e-commerce landing page with hero section, product carousel, offcanvas menu, and themed design.

## Requirements

- Use responsive navbar with offcanvas menu.
- Implement Bootstrap Carousel for featured products.
- Create multiple sections using grid system.
- Use forms for newsletter subscription.
- Apply Bootstrap utilities for display control and alignment.
- Customize theme using Bootstrap variables or custom overrides.

## Code :-

```
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4  <meta charset="UTF-8">
5  <meta name="viewport" content="width=device-width, initial-scale=1">
6  <title>E-Commerce Landing Page</title>
7  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/css/bootstrap.min.css" rel="stylesheet">
8  <style>
9  :root{
10   --bs-primary: #6f42c1;
11   --bs-success: #20c997;
12 }
13 </style>
14 </head>
15 <body>
16
17 <!-- NAVBAR WITH OFFCANVAS-->
18 <nav class="navbar navbar-dark bg-primary">
19 <div class="container-fluid">
20   <a class="navbar-brand">ShopZone</a>
21   <button class="navbar-toggler" type="button" data-bs-toggle="offcanvas" data-bs-target="#menu">
22     <span class="navbar-toggler-icon"></span>
23   </button>
24 </div>
25 </nav>
26
27 <!-- OFFCANVAS MENU -->
28 <div class="offcanvas offcanvas-start" id="menu">
29 <div class="offcanvas-header">
30   <h5>Menu</h5>
31   <button class="btn-close" data-bs-dismiss="offcanvas"></button>
32 </div>
33
34 <div class="offcanvas-body">
35   <ul class="nav flex-column">
36     <li class="nav-item"><a class="nav-link" href="#">Home</a></li>
37     <li class="nav-item"><a class="nav-link" href="#">Products</a></li>
```

```

38   <li class="nav-item"><a class="nav-link" href="#">Offers</a></li>
39   <li class="nav-item"><a class="nav-link" href="#">Contact</a></li>
40 </ul>
41 </div>
42 </div>
43 <!-- ===== HERO SECTION ===== -->
44 <div class="container-fluid bg-light text-center py-5">
45 <h1 class="display-5 fw-bold" href="#">Welcome to ShopZone</h1>
46 <p class="lead" href="#">Best Deals on Electronics & Gadgets</p>
47 <button class="btn btn-primary btn-lg" href="#">Shop Now</button>
48 </div>
49 <!-- ===== PRODUCT CAROUSEL ===== -->
50 <div class="container my-5">
51 <h2 class="text-center mb-4" href="#">Featured Products</h2>
52 <div id="productCarousel" class="carousel slide" data-bs-ride="carousel">
53 <div class="carousel-inner">
54 <div class="carousel-item active text-center">
55 
56 </div>
57 <div class="carousel-item text-center">
58 
59 </div>
60 <div class="carousel-item text-center">
61 
62 </div>
63 </div>
64 <button class="carousel-control-prev" type="button" data-bs-target="#productCarousel" data-bs-slide="prev">
65 | <span class="carousel-control-prev-icon" href="#"></span>
66 </button>
67 <button class="carousel-control-next" type="button" data-bs-target="#productCarousel" data-bs-slide="next">
68 | <span class="carousel-control-next-icon" href="#"></span>
69 </button>

```

```

70 </div>
71 </div>
72 <!-- ===== PRODUCT GRID ===== -->
73 <div class="container my-5">
74 <h2 class="text-center mb-4" href="#">Popular Products</h2>
75 <div class="row g-4">
76 <div class="col-12 col-md-6 col-lg-3">
77 <div class="card h-100 text-center">
78 
79 <div class="card-body">
80 <h5>Smartphones</h5>
81 <p>Latest model smartphone</p>
82 <button class="btn btn-success" href="#">Buy Now</button>
83 </div>
84 </div>
85 </div>
86 <div class="col-12 col-md-6 col-lg-3">
87 <div class="card h-100 text-center">
88 
89 <div class="card-body">
90 <h5>Laptop</h5>
91 <p>High performance laptop</p>
92 <button class="btn btn-success" href="#">Buy Now</button>
93 </div>
94 </div>
95 </div>
96 <div class="col-12 col-md-6 col-lg-3">
97 <div class="card h-100 text-center">
98 
99 <div class="card-body">
100 <h5>Headphones</h5>
101 <p>Noise cancelling audio</p>
102 <button class="btn btn-success" href="#">Buy Now</button>
103 </div>

```

```

07 <div class="col-12 col-md-6 col-lg-3">
08 <div class="card h-100 text-center">
09 
11 <h5>Smart Watch</h5>
12 <p>fitness tracking watch</p>
13 <button class="btn btn-success">Buy Now</button>
14 </div>
15 </div>
16 </div>
17 </div>
18 </div>
19 <div class="container-fluid bg-primary text-white text-center py-5">
20 <h3>Subscribe to Newsletter</h3>
21 <p>Get latest offers and updates</p>
22 <form class="row justify-content-center">
23 <div class="col-md-4 col-10 mb-2">
24 <input type="email" class="form-control" placeholder="Enter your email">
25 </div>
26 <div class="col-md-2 col-6">
27 <button class="btn btn-light w-100">Subscribe</button>
28 </div>
29 </form>
30 </div>
31 <footer class="bg-dark text-white text-center p-3">© 2026 ShopZone | All Rights Reserved</footer>
32 <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/js/bootstrap.bundle.min.js"></script>
33 </body>
34 </html>

```

## Output :-

The screenshot displays the ShopZyy website interface. At the top, there's a blue header bar with the logo "ShopZyy" on the left and a menu icon on the right. Below the header, the main content area has a light gray background. It features a "Welcome to ShopZyy" banner with the tagline "Best Deals on Electronics & Gadgets" and a "Shop Now" button. The "Featured Products" section shows three items: a smartphone on a stand, a laptop with speakers, and a pair of headphones. The "Popular Products" section shows four items in separate boxes: a Galaxy A07 5G smartphone, a high-performance laptop, noise-cancelling headphones, and a smart watch. Each product box includes a "Buy Now" button. At the bottom, there's a blue footer section for newsletter subscription with fields for email and a "Subscribe" button.

## **Technical Requirements :-**

The e-commerce landing page must be developed using Bootstrap 5 CDN and designed to provide a fully responsive professional interface. A responsive navigation bar integrated with an offcanvas menu must be implemented to support navigation on smaller screens. Featured products should be displayed using the Bootstrap carousel component with proper sliding functionality and navigation controls. Multiple webpage sections including hero area, product grid, and newsletter subscription form must be created using the Bootstrap grid system. Bootstrap utility classes should be used extensively for display control, spacing, and alignment.