

Case Study:

Supermarket E-commerce Website

- 1. Project Overview** This project is a multi-page e-commerce website for a supermarket. It will showcase various products, allow customers to browse by pages, view product details, register an account, log in, and add items to their cart. For simplicity, the project will be built using **HTML5, CSS3, and Bootstrap**, without JavaScript for logic.

//index.html

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
  <meta charset="UTF-8">
```

```
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
  <title>Supermarket - Home</title>
```

```
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css"
rel="stylesheet">
```

```
  <link rel="stylesheet" href="css/style.css">
```

```
</head>
```

```
<body>
```

```
<nav class="navbar navbar-expand-lg navbar-dark bg-success">
```

```
  <div class="container">
```

```
    <a class="navbar-brand fw-bold" href="index.html">
Supermarket</a>
```

```
    <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" id="navbarNav">
```

```
      <ul class="navbar-nav ms-auto">
```

```
        <li class="nav-item"><a class="nav-link active" href="index.html">Home</a></li>
```

```
        <li class="nav-item"><a class="nav-link" href="products.html">Products</a></li>
```

```
<li class="nav-item"><a class="nav-link" href="register.html">Register</a></li>

<li class="nav-item"><a class="nav-link" href="login.html">Login</a></li>

<li class="nav-item"><a class="nav-link" href="contact.html">Contact</a></li>

</ul>

</div>

</div>

</nav>

<div id="carouselExample" 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="#carouselExample" data-bs-
slide="prev">

    <span class="carousel-control-prev-icon"></span>

  </button>

  <button class="carousel-control-next" type="button" data-bs-target="#carouselExample" data-bs-
slide="next">

    <span class="carousel-control-next-icon"></span>

  </button>

</div>

<div class="container my-5">

  <h2 class="text-center mb-4">Featured Products</h2>
```

```
<div class="row g-4">

  <div class="col-md-4">

    <div class="card">

      

      <div class="card-body text-center">

        <h5 class="card-title">Fresh Apples</h5>

        <p class="card-text">₹120 / kg</p>

        <a href="products.html" class="btn btn-success">Shop Now</a>

      </div>

    </div>

  </div>

  <div class="col-md-4">

    <div class="card">

      

      <div class="card-body text-center">

        <h5 class="card-title">Organic Rice</h5>

        <p class="card-text">₹80 / kg</p>

        <a href="products.html" class="btn btn-success">Shop Now</a>

      </div>

    </div>

  </div>

  <div class="col-md-4">

    <div class="card">

      

      <div class="card-body text-center">

        <h5 class="card-title">Fresh Milk</h5>

        <p class="card-text">₹50 / litre</p>

        <a href="products.html" class="btn btn-success">Shop Now</a>

      </div>

    </div>

  </div>

</div>
```

```
        </div>
    </div>

    <footer class="bg-dark text-white text-center py-3">
        <p>&copy; 2025 Supermarket | All Rights Reserved</p>
    </footer>

    <script
    src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js"></script>
</body>
</html>
```

//products.html

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Supermarket - Products</title>
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css"
    rel="stylesheet">
</head>
<body>

    <nav class="navbar navbar-expand-lg navbar-dark bg-success">
        <div class="container">
            <a class="navbar-brand fw-bold" href="index.html">
            Supermarket</a>

            <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" id="navbarNav">
  <ul class="navbar-nav ms-auto">
    <li class="nav-item"><a class="nav-link" href="index.html">Home</a></li>
    <li class="nav-item"><a class="nav-link active" href="products.html">Products</a></li>
    <li class="nav-item"><a class="nav-link" href="register.html">Register</a></li>
    <li class="nav-item"><a class="nav-link" href="login.html">Login</a></li>
    <li class="nav-item"><a class="nav-link" href="contact.html">Contact</a></li>
  </ul>
</div>
</div>
</nav>
```

```
<div class="container my-5">
  <h2 class="text-center mb-4">Our Products</h2>
  <div class="row g-4">
    <div class="col-md-3">
      <div class="card">
        
        <div class="card-body text-center">
          <h5 class="card-title">Fresh Apples</h5>
          <p class="card-text">₹120 / kg</p>
          <button class="btn btn-success">Add to Cart</button>
        </div>
      </div>
    </div>
    <!-- Repeat similar col-md-3 cards for other products -->
  </div>
</div>
```

```
<footer class="bg-dark text-white text-center py-3">
  <p>&copy; 2025 Supermarket | All Rights Reserved</p>
```

</footer>

```
<script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js"></script>

</body>

</html>
```

//products2.html

```
<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Supermarket - Products Page 2</title>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css"
rel="stylesheet">

</head>

<body>

<nav class="navbar navbar-expand-lg navbar-dark bg-success">

  <div class="container">

    <a class="navbar-brand fw-bold" href="index.html">
    Supermarket</a>

    <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" id="navbarNav">

      <ul class="navbar-nav ms-auto">

        <li class="nav-item"><a class="nav-link" href="index.html">Home</a></li>

        <li class="nav-item"><a class="nav-link active" href="products.html">Products</a></li>

        <li class="nav-item"><a class="nav-link" href="register.html">Register</a></li>

        <li class="nav-item"><a class="nav-link" href="login.html">Login</a></li>
```

```

        <li class="nav-item"><a class="nav-link" href="contact.html">Contact</a></li>
    </ul>
</div>
</div>
</nav>

<div class="container my-5">
    <h2 class="text-center mb-4">Products - Page 2</h2>
    <div class="row g-4">
        <div class="col-md-3">
            <div class="card">
                
                <div class="card-body text-center">
                    <h5 class="card-title">Bananas</h5>
                    <p class="card-text">₹60 / kg</p>
                    <button class="btn btn-success">Add to Cart</button>
                </div>
            </div>
        </div>
        <!-- Repeat for other products on page 2 -->
    </div>
    <nav class="mt-4 text-center">
        <ul class="pagination justify-content-center">
            <li class="page-item"><a class="page-link" href="products.html">1</a></li>
            <li class="page-item active"><a class="page-link" href="products-page2.html">2</a></li>
            <li class="page-item"><a class="page-link" href="products-page3.html">3</a></li>
        </ul>
    </nav>
</div>

<footer class="bg-dark text-white text-center py-3">

```

<p>© 2025 Supermarket | All Rights Reserved</p>

</footer>

<script

src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js"></script>

</body>

</html>

//products3.html

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Supermarket - Products Page 3</title>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet">

</head>

<body>

<nav class="navbar navbar-expand-lg navbar-dark bg-success">

<div class="container">

Supermarket

<button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarNav">

</button>

<div class="collapse navbar-collapse" id="navbarNav">

<ul class="navbar-nav ms-auto">

<li class="nav-item">Home

<li class="nav-item">Products

<li class="nav-item">Register

<li class="nav-item">Login


```

        <li class="nav-item"><a class="nav-link" href="contact.html">Contact</a></li>
    </ul>
</div>
</div>
</nav>

<div class="container my-5">
    <h2 class="text-center mb-4">Products - Page 3</h2>
    <div class="row g-4">
        <div class="col-md-3">
            <div class="card">
                
                <div class="card-body text-center">
                    <h5 class="card-title">Tomatoes</h5>
                    <p class="card-text">₹70 / kg</p>
                    <button class="btn btn-success">Add to Cart</button>
                </div>
            </div>
        </div>
        <div class="col-md-3">
            <div class="card">
                
                <div class="card-body text-center">
                    <h5 class="card-title">Onions</h5>
                    <p class="card-text">₹40 / kg</p>
                    <button class="btn btn-success">Add to Cart</button>
                </div>
            </div>
        </div>
        <div class="col-md-3">
            <div class="card">
                
                <div class="card-body text-center">
                    <h5 class="card-title">Garlic</h5>
                    <p class="card-text">₹60 / kg</p>
                    <button class="btn btn-success">Add to Cart</button>
                </div>
            </div>
        </div>
    </div>
    <!-- Repeat for other products on page 3 -->
</div>
<nav class="mt-4 text-center">
    <ul class="pagination justify-content-center">
        <li class="page-item"><a class="page-link" href="products.html">1</a></li>
        <li class="page-item"><a class="page-link" href="products-page2.html">2</a></li>
        <li class="page-item active"><a class="page-link" href="products-page3.html">3</a></li>
    </ul>
</nav>
</div>

<footer class="bg-dark text-white text-center py-3">

```

<p>© 2025 Supermarket | All Rights Reserved</p>

</footer>

<script

src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js"></script>

</body>

</html>

//register.html

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Supermarket - Register</title>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet">

</head>

<body>

<nav class="navbar navbar-expand-lg navbar-dark bg-success">

<div class="container">

Supermarket

</div>

</nav>

<div class="container my-5">

<h2 class="text-center mb-4">Register</h2>

<div class="row justify-content-center">

<div class="col-md-6">

<form>

<div class="mb-3">

<label class="form-label">Name</label>

```
        <input type="text" class="form-control" required>
    </div>

    <div class="mb-3">
        <label class="form-label">Email</label>

        <input type="email" class="form-control" required>
    </div>

    <div class="mb-3">
        <label class="form-label">Password</label>

        <input type="password" class="form-control" required>
    </div>

    <div class="mb-3">
        <label class="form-label">Confirm Password</label>

        <input type="password" class="form-control" required>
    </div>

    <div class="mb-3">
        <label class="form-label">Address</label>

        <textarea class="form-control" rows="3" required></textarea>
    </div>

    <button type="submit" class="btn btn-success w-100">Register</button>
</form>
</div>
</div>
</div>

<footer class="bg-dark text-white text-center py-3">
    <p>&copy; 2025 Supermarket | All Rights Reserved</p>
</footer>

<script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js"></script>
</body>
</html>
```

//login.html

```
<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Supermarket - Login</title>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css"
rel="stylesheet">

</head>

<body>

<nav class="navbar navbar-expand-lg navbar-dark bg-success">

  <div class="container">

    <a class="navbar-brand fw-bold" href="index.html">
Supermarket</a>

  </div>

</nav>

<div class="container my-5">

  <h2 class="text-center mb-4">Login</h2>

  <div class="row justify-content-center">

    <div class="col-md-4">

      <form>

        <div class="mb-3">

          <label class="form-label">Email</label>

          <input type="email" class="form-control" required>

        </div>

        <div class="mb-3">

          <label class="form-label">Password</label>

          <input type="password" class="form-control" required>

        </div>

        <button type="submit" class="btn btn-success w-100">Login</button>

      </form>

    </div>

  </div>

</div>
```

```
        </form>

    </div>

</div>

</div>

<footer class="bg-dark text-white text-center py-3">

    <p>&copy; 2025 Supermarket | All Rights Reserved</p>

</footer>

<script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js"></script>

</body>

</html>
```

//contact.html

```
<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Supermarket - Contact</title>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css"
rel="stylesheet">

</head>

<body>

<nav class="navbar navbar-expand-lg navbar-dark bg-success">

    <div class="container">

        <a class="navbar-brand fw-bold" href="index.html">
Supermarket</a>

    </div>

</nav>

<div class="container my-5">

    <h2 class="text-center mb-4">Contact Us</h2>
```

```
<div class="row justify-content-center">

  <div class="col-md-6">

    <form>

      <div class="mb-3">

        <label class="form-label">Name</label>

        <input type="text" class="form-control" required>

      </div>

      <div class="mb-3">

        <label class="form-label">Email</label>

        <input type="email" class="form-control" required>

      </div>

      <div class="mb-3">

        <label class="form-label">Message</label>

        <textarea class="form-control" rows="4" required></textarea>

      </div>

      <button type="submit" class="btn btn-success w-100">Send Message</button>

    </form>

  </div>

</div>

</div>

<div>

  <div class="bg-dark text-white text-center py-3">

    <p>&copy; 2025 Supermarket | All Rights Reserved</p>

  </div>

  <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js"></script>

</body>

</html>
```

Case Study Document :

Local Event Management Website

Objective :

To design and develop a responsive, visually appealing, and user-friendly website for a community event using HTML5, CSS3, and Bootstrap without JavaScript. The site should present event details, schedule, activities, media content, and allow users to register.

//index.html

```
<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Community Event</title>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css"
rel="stylesheet">

<link rel="stylesheet" href="style.css">

</head>

<body>

<!-- Navbar -->

<nav class="navbar navbar-expand-lg navbar-dark bg-primary">

  <div class="container">

    <a class="navbar-brand fw-bold" href="#">Community Event</a>

    <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" id="navbarNav">

      <ul class="navbar-nav ms-auto">

        <li class="nav-item"><a class="nav-link active" href="index.html">Home</a></li>
```

```
<li class="nav-item"><a class="nav-link" href="about.html">About</a></li>

<li class="nav-item"><a class="nav-link" href="register.html">Register</a></li>

</ul>

</div>

</div>

</nav>

<!-- Hero Section -->

<header class="bg-light text-center py-5">

  <h1 class="fw-bold display-4 text-primary">Welcome to Our Local Community Event</h1>

  <p class="lead">Join us for fun activities, live performances, and community bonding!</p>

</header>

<!-- Event Schedule -->

<main class="container my-5">

  <h2 class="text-center mb-4">Event Schedule</h2>

  <table class="table table-striped table-bordered table-dark">

    <thead>

      <tr>

        <th>Time</th>

        <th>Activity</th>

        <th>Location</th>

      </tr>

    </thead>

    <tbody>

      <tr>

        <td>10:00 AM</td>

        <td>Opening Ceremony</td>

        <td>Main Hall</td>

      </tr>

      <tr>
```



```
<td>11:00 AM</td>
<td>Live Music Performance</td>
<td>Outdoor Stage</td>
</tr>
<tr>
<td>1:00 PM</td>
<td>Lunch Break</td>
<td>Cafeteria</td>
</tr>
<tr>
<td>2:00 PM</td>
<td>Games & Activities</td>
<td>Playground</td>
</tr>
<tr>
<td>5:00 PM</td>
<td>Closing Ceremony</td>
<td>Main Hall</td>
</tr>
</tbody>
</table>
```

```
<!-- Activities List -->
<h3 class="mt-5">Activities</h3>
<ul class="list-group mb-4">
<li class="list-group-item">Music & Dance Performances</li>
<li class="list-group-item">Art & Craft Workshops</li>
<li class="list-group-item">Food Stalls & Competitions</li>
<li class="list-group-item">Games & Sports</li>
</ul>
```

```
<!-- Media Section -->

<h3 class="mt-5">Event Promo</h3>

<video class="w-100 mb-3" controls>

  <source src="assets/promo.mp4" type="video/mp4">

  Your browser does not support the video tag.

</video>
```

```
<h3>Event Theme Song</h3>

<audio controls class="w-100 mb-3">

  <source src="assets/theme.mp3" type="audio/mp3">

  Your browser does not support the audio element.

</audio>

</main>
```

```
<!-- Footer -->

<footer class="bg-primary text-white text-center py-3">

  &copy; 2025 Community Event | All Rights Reserved

</footer>
```

```
<script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js"></script>

</body>

</html>
```

//about.html

```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <title>About - Community Event</title>

  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css"
rel="stylesheet">
```

```
<link rel="stylesheet" href="style.css">

</head>

<body>

<nav class="navbar navbar-expand-lg navbar-dark bg-primary">

  <div class="container">

    <a class="navbar-brand fw-bold" href="index.html">Community Event</a>

    <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" id="navbarNav">

      <ul class="navbar-nav ms-auto">

        <li class="nav-item"><a class="nav-link" href="index.html">Home</a></li>

        <li class="nav-item"><a class="nav-link active" href="about.html">About</a></li>

        <li class="nav-item"><a class="nav-link" href="register.html">Register</a></li>

      </ul>

    </div>

  </div>

</nav>
```

```
<main class="container my-5">

  <h2 class="text-center mb-4">About the Event</h2>

  <p class="lead text-center">Our local community event is designed to bring together neighbors, friends, and families to enjoy a day full of entertainment, learning, and fun activities. It's a celebration of local talent and community spirit.</p>

  <div class="row mt-5">

    <div class="col-md-4 text-center">

      <h4 class="fw-bold text-primary">Fun Activities</h4>

      <p>From games to workshops, we have engaging activities for all age groups.</p>

    </div>

    <div class="col-md-4 text-center">

      <h4 class="fw-bold text-primary">Live Performances</h4>
```

```
<p>Enjoy live music, dance, and drama performed by local artists.</p>
</div>

<div class="col-md-4 text-center">

  <h4 class="fw-bold text-primary">Food & Drinks</h4>

  <p>Taste delicious dishes from local vendors and enjoy refreshments.</p>

</div>

</div>

</main>


<footer class="bg-primary text-white text-center py-3">

  &copy; 2025 Community Event | All Rights Reserved

</footer>


<script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js"></script>

</body>

</html>

//register.html

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Register - Community Event</title>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css"
rel="stylesheet">

<link rel="stylesheet" href="style.css">

</head>

<body>

<nav class="navbar navbar-expand-lg navbar-dark bg-primary">

  <div class="container">

    <a class="navbar-brand fw-bold" href="index.html">Community Event</a>
```

```
<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" id="navbarNav">

  <ul class="navbar-nav ms-auto">

    <li class="nav-item"><a class="nav-link" href="index.html">Home</a></li>

    <li class="nav-item"><a class="nav-link" href="about.html">About</a></li>

    <li class="nav-item"><a class="nav-link active" href="register.html">Register</a></li>

  </ul>

</div>

</div>

</nav>
```

```
<main class="container my-5">

  <h2 class="text-center mb-4">Event Registration</h2>

  <div class="row justify-content-center">

    <div class="col-md-6">

      <form>

        <div class="mb-3">

          <label class="form-label">Full Name</label>

          <input type="text" class="form-control" required>

        </div>

        <div class="mb-3">

          <label class="form-label">Email</label>

          <input type="email" class="form-control" required>

        </div>

        <div class="mb-3">

          <label class="form-label">Phone Number</label>

          <input type="tel" class="form-control" required>

        </div>

      </form>

    </div>

  </div>

</main>
```

```
<div class="mb-3">

  <label class="form-label">Gender</label><br>

  <div class="form-check form-check-inline">

    <input class="form-check-input" type="radio" name="gender" value="male" required>

    <label class="form-check-label">Male</label>

  </div>

  <div class="form-check form-check-inline">

    <input class="form-check-input" type="radio" name="gender" value="female" required>

    <label class="form-check-label">Female</label>

  </div>

</div>

<div class="mb-3">

  <label class="form-label">Select Ticket Type</label>

  <select class="form-select" required>

    <option value="">Choose...</option>

    <option value="general">General</option>

    <option value="vip">VIP</option>

  </select>

</div>

<button type="submit" class="btn btn-primary w-100">Register</button>

</form>

</div>

</div>

</main>


<footer class="bg-primary text-white text-center py-3">

  &copy; 2025 Community Event | All Rights Reserved

</footer>


<script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js"></script>
```

```
</body>
```

```
</html>
```

Style.css

```
body {
```

```
    font-family: 'Segoe UI', sans-serif;
```

```
}
```

```
header {
```

```
    background: url('assets/promo.mp4') no-repeat center center;
```

```
    background-size: cover;
```

```
}
```

```
h1, h2, h3 {
```

```
    margin-bottom: 20px;
```

```
}
```

```
table {
```

```
    margin-top: 20px;
```

```
}
```

```
footer {
```

```
    width: 100%;
```

```
}
```