

Ex. No.: 3	Responsive Website Design using Bootstrap
06.01.2026	

Aim

To design and develop a responsive website using Bootstrap that adapts seamlessly to different screen sizes and devices by utilizing Bootstrap's grid system, components, and responsive utilities.

Description

The responsive website is developed using the **Bootstrap framework** to ensure consistency in layout and design across various devices such as desktops, tablets, and mobile phones.

Bootstrap's **grid system, predefined CSS classes, and UI components** are used to create a flexible and responsive layout without writing extensive custom CSS.

This experiment demonstrates the effective use of Bootstrap to build modern, mobile-first, and responsive web pages.

Code

HTML:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Talent Hunt Program</title>
    <meta name="viewport" content="width=device-width, initial-scale=1">

    <!-- Bootstrap CSS -->
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/css/bootstrap.min.css" rel="stylesheet">
```

```

<style>
    /* Card selection styling */
    .talent-card {
        cursor: pointer;
        transition: transform 0.2s, box-shadow 0.2s;
    }

    .talent-card:hover {
        transform: scale(1.03);
        box-shadow: 0 4px 12px rgba(0,0,0,0.15);
    }

    input[type="radio"]:checked + .card {
        border: 2px solid #0d6efd;
        background-color: #e7f1ff;
    }
</style>
</head>

<body>

<!-- Navbar -->
<nav class="navbar navbar-expand-lg navbar-dark bg-dark">
    <div class="container">
        <a class="navbar-brand" href="#">Talent Hunt</a>
        <button class="navbar-toggler" type="button" data-bs-toggle="collapse"
            data-bs-target="#navbarMenu">
            <span class="navbar-toggler-icon"></span>
        </button>
        <div class="collapse navbar-collapse" id="navbarMenu">
            <ul class="navbar-nav ms-auto">
                <li class="nav-item"><a class="nav-link active" href="#">Home</a></li>
                <li class="nav-item"><a class="nav-link" href="#">Register</a></li>
            </ul>
        </div>
    </div>
</nav>

```

```

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

<!-- Main Content -->
<div class="container mt-4">
<div class="row g-4">

<!-- Left Section -->
<div class="col-lg-6 col-md-6 col-sm-12">
    
    <h3>Talent Hunt Program</h3>
    <p class="text-muted">
        Participate and showcase your talent in front of judges and peers.
    </p>
    <button class="btn btn-primary">Learn More</button>
</div>

<!-- Right Section -->
<div class="col-lg-6 col-md-6 col-sm-12">
    <h4 class="mb-3">Event Registration</h4>

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

```

```

<!-- Talent Choice as Separate Boxes -->
<label class="form-label mb-2">Select Your Talent</label>
<div class="row g-3 mb-3">

    <div class="col-6">
        <label class="w-100">
            <input type="radio" name="talent" hidden required>
            <div class="card talent-card text-center p-3">
                 Singing
            </div>
        </label>
    </div>

    <div class="col-6">
        <label class="w-100">
            <input type="radio" name="talent" hidden>
            <div class="card talent-card text-center p-3">
                 Dancing
            </div>
        </label>
    </div>

    <div class="col-6">
        <label class="w-100">
            <input type="radio" name="talent" hidden>
            <div class="card talent-card text-center p-3">
                 Acting
            </div>
        </label>
    </div>

    <div class="col-6">
        <label class="w-100">
            <input type="radio" name="talent" hidden>
            <div class="card talent-card text-center p-3">
                 Painting
            </div>
        </label>
    </div>

```

```
</div>
</label>
</div>

</div>

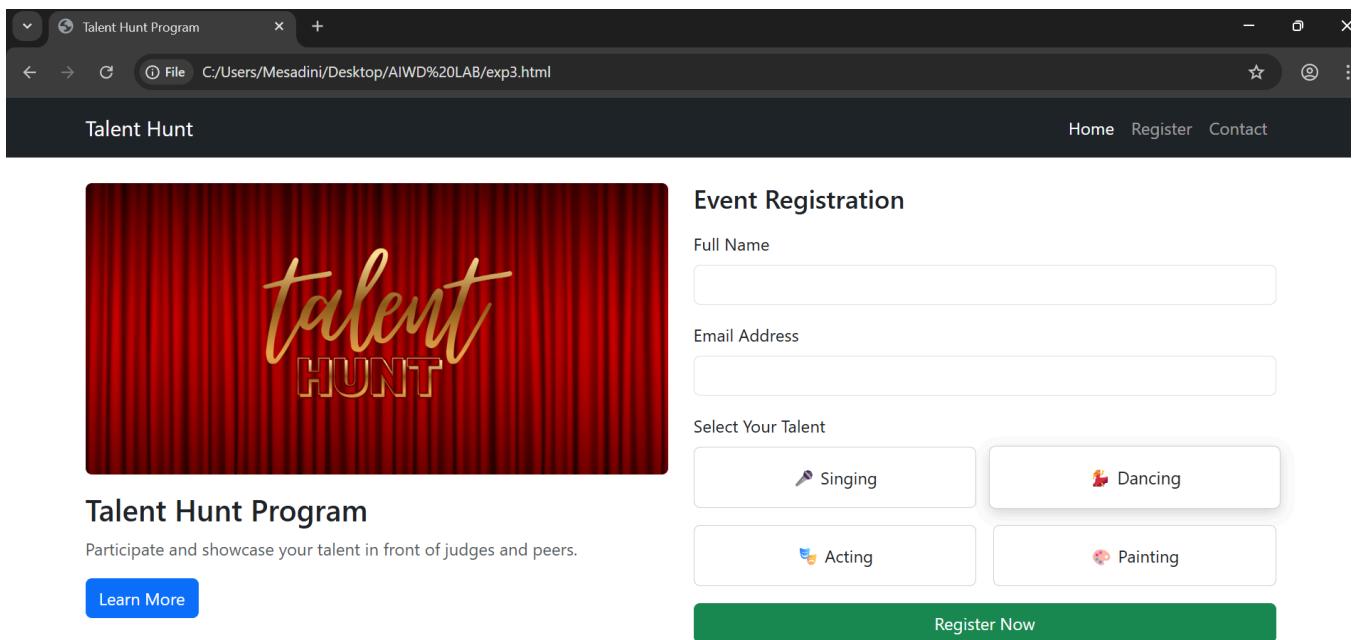
<button type="submit" class="btn btn-success w-100">
    Register Now
</button>
</form>
</div>
</div>
</div>

<!-- Footer -->
<footer class="bg-light text-center p-3 mt-5">
    <p class="mb-0">© 2026 Talent Hunt Program</p>
</footer>

<!-- Bootstrap JS -->
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/js/bootstrap.bundle.min.js"></script>

</body>
</html>
```

Input & Output



The screenshot shows a web browser window titled "Talent Hunt Program". The address bar displays the file path: "C:/Users/Mesadini/Desktop/AIWD%20LAB/exp3.html". The main content area has a dark header with "Talent Hunt" on the left and "Home Register Contact" on the right. Below the header is a large red curtain graphic with the words "talent HUNT" overlaid. To the right of the curtain is a form titled "Event Registration" with fields for "Full Name" and "Email Address". Under "Select Your Talent", there are four buttons: "Singing" (microphone icon), "Dancing" (dancer icon), "Acting" (camera icon), and "Painting" (paint palette icon). A blue "Learn More" button is located on the left side of the registration form. A green "Register Now" button is at the bottom right of the form.

Result

The experiment is successfully completed.