

# Project Report

During this project, I developed a small hotel booking website called *EasyStay*. It includes several pages such as Home, About, Contact, and Booking. I used HTML and Bootstrap to create a clear layout, responsive design, and consistent structure. I added forms with basic validation so that users cannot submit empty or incorrect information. I also learned how to use JavaScript and jQuery to make the website interactive — for example, to filter rooms by type, show and hide elements, and add small animations. While working on this project, I improved my understanding of event handling, DOM manipulation, and CSS styling. I also learned how to make the website look more colorful and professional while keeping it simple and user-friendly.

## Home page

```
<main class="container my-5">
  <div class="row align-items-center">
    <div class="col-lg-6">
      <h1 class="display-5">Comfortable stays. Simple booking.</h1>
      <p class="lead">Find a cozy room, check availability and book in minutes. Great prices for short stays.</p>
      <a href="rooms.html" class="btn btn-primary btn-lg me-2">View Rooms</a>
      <a href="booking.html" class="btn btn-outline-primary btn-lg">Book Now</a>
    </div>
  </div>
  <section class="text-center my-5">
    <h2 id="welcomeText">Explore Our Rooms</h2>

    <div class="position-relative mx-auto" style="max-width:600px;">
      
      
      

      <div class="d-flex justify-content-between mt-3">
        <button id="prevRoom" class="btn btn-outline-primary">Previous</button>
        <button id="nextRoom" class="btn btn-outline-primary">Next</button>
      </div>
    </div>
  </section>
```

# Rooms

```
<main class="container my-5">
  <div class="d-flex justify-content-between align-items-center mb-4">
    <div>
      <button id="filterAll" class="btn btn-sm btn-outline-secondary me-2">All</button>
      <button id="filterDeluxe" class="btn btn-sm btn-outline-secondary me-2">Deluxe</button>
      <button id="filterStandard" class="btn btn-sm btn-outline-secondary">Standard</button>
    </div>
  </div>

  <div class="row g-4" id="roomsGrid">
    <div class="col-md-6 col-lg-4 room-card deluxe">
      <div class="card">
        
        <div class="card-body">
          <h5 class="card-title">Deluxe Room</h5>
          <p class="card-text">King bed, city view, free breakfast.</p>
          <div class="d-flex justify-content-between align-items-center">
            <span class="fw-bold">$120 / night</span>
            <div>
              <button class="btn btn-sm btn-primary me-1 view-details" data-title="Deluxe Room" data-img=
                <a class="btn btn-sm btn-outline-primary" href="booking.html?room=Deluxe">Book</a>
            </div>
          </div>
        </div>
      </div>
    </div>
  </div>
```

# Booking page

```
<main class="container my-5">
  <h2>Booking form</h2>
  <p class="text-muted">Fill required fields and submit to confirm your reservation.</p>

  <form id="bookingForm" class="row g-3 needs-validation">
    <div class="col-md-6">
      <label class="form-label">Full name</label>
      <input type="text" class="form-control" id="fullName" required>
      <div class="invalid-feedback">Please enter your name.</div>
    </div>
    <div class="col-md-6">
      <label class="form-label">Email</label>
      <input type="email" class="form-control" id="email" required>
      <div class="invalid-feedback">Please provide a valid email.</div>
    </div>
    <div class="col-md-4">
      <label class="form-label">Room type</label>
      <select id="roomType" class="form-select" required>
        <option value="">Choose...</option>
        <option>Standard</option>
        <option>Deluxe</option>
        <option>Suite</option>
      </select>
      <div class="invalid-feedback">Select a room type.</div>
    </div>
    <div class="col-md-4">
      <label class="form-label">Check-in</label>
      <input type="date" id="checkIn" class="form-control" required>
      <div class="invalid-feedback">Choose check-in date.</div>
    </div>
  </form>
</main>
```

# Contact form page

```
<main class="container my-5">
  <h2>Contact us</h2>
  <p class="text-muted">Send a message and we will respond within one business day.</p>

  <form id="contactForm" class="row g-3">
    <div class="col-md-6">
      <label class="form-label">Name</label>
      <input id="contactName" class="form-control" required>
    </div>
    <div class="col-md-6">
      <label class="form-label">Email</label>
      <input id="contactEmail" type="email" class="form-control" required>
    </div>
    <div class="col-12">
      <label class="form-label">Message</label>
      <textarea id="contactMessage" class="form-control" rows="4" required></textarea>
    </div>
    <div class="col-12">
      <button id="sendContact" class="btn btn-primary">Send</button>
    </div>
  </form>

  <div id="contactResult" class="mt-4" style="display:none;">
    <div class="alert alert-success">Thanks! Your message was sent.</div>
  </div>
</main>

<footer class="bg-white border-top py-4">
  <div class="container d-flex flex-column flex-md-row justify-content-between align-items-center">
    <div>© 2025 EasyStay</div>
```

## About page

```
<html lang="en">
<body>
  <main class="container my-5">
    </div>

    <section class="mt-5 team">
<h3>Team</h3>
<div class="row g-3">
  <div class="col-sm-6 col-md-4">
    <div class="p-3 border rounded text-center">
      
      <h6>Madiyar Armish</h6>
      <p class="small text-muted">Founder</p>
    </div>
  </div>
  <div class="col-sm-6 col-md-4">
    <div class="p-3 border rounded text-center">
      
      <h6>Corp slave #1</h6>
      <p class="small text-muted">Operations</p>
    </div>
  </div>
</div>
</div>
</section>

</main>

<footer class="bg-white border-top py-4">
  <div class="container d-flex flex-column flex-md-row justify-content-between align-items-center">
    <div>© 2025 EasyStay</div>
    <div class="text-muted small">Made for a web technologies project</div>
  </div>
</body>
</html>
```

# JS

```
$(document).ready(function() {
    console.log("Hotel Booking JS ready");

    $("#welcomeText").hide().fadeIn(1500);

    let currentIndex = 0;
    let images = $(".room-img");

    images.hide();
    images.eq(0).show();

    $("#nextRoom").click(function() {
        images.eq(currentIndex).fadeOut(600, function() {
            currentIndex = (currentIndex + 1) % images.length;
            images.eq(currentIndex).fadeIn(600);
        });
    });

    $("#prevRoom").click(function() {
        images.eq(currentIndex).fadeOut(600, function() {
            currentIndex = (currentIndex - 1 + images.length) % images.length;
            images.eq(currentIndex).fadeIn(600);
        });
    });

    $(".toggleDescBtn").click(function() {
        $(this).closest(".room-card").find(".room-desc").slideToggle();
    });

    $(".bookBtn").click(function() {
        $(this).text("Booked!").css({
            backgroundColor: "#198754",
            color: "white",
            padding: 5px 10px;
        });
    });

    $(".room-card").show();

    $("#filterAll").click(function() {
        $(".room-card").each(function() {
            $(this).stop(true, true).fadeIn(300);
        });
    });

    $("#filterDeluxe").click(function() {
        $(".room-card").each(function() {
            if ($(this).hasClass("deluxe")) {
                $(this).stop(true, true).fadeIn(300);
            } else {
                $(this).stop(true, true).fadeOut(300);
            }
        });
    });
});
```