Case Study: Travel Bliss – A Travel Booking Website

 Scenario

You are tasked with creating a small, multi-page travel booking website called "Travel Bliss".
The site will allow users to:

1. Navigate between pages (Home, Destinations, Booking, Contact).

2. View travel destinations in a grid layout.

3. Fill out a booking form.

4. Experience good design using the CSS3 Box Model and Positioning.

 5. Have a consistent header and footer on every page.

6. Include responsive design basics.

 Page Structure

 1. index.html – Home page

 2. destinations.html – Grid of images

 3. booking.html – Booking form with radio buttons & checkboxes

4. contact.html – Contact info and form

5. style.css – External CSS file

Programs:

Index.html:

```
<!DOCTYPE html>

<html lang="en">

<head>

   <meta charset="UTF-8">

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

   <title>Travel Bliss - Home</title>

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

</head>

<body>
```

```html
  <header>

    <h1>Travel Bliss</h1>

    <p>Your gateway to amazing journeys</p>

  </header>

  <nav>

    <ul>

      <li><a href="index.html">Home</a></li>

      <li><a href="destinations.html">Destinations</a></li>

      <li><a href="booking.html">Booking</a></li>

      <li><a href="contact.html">Contact</a></li>

    </ul>

  </nav>

  <main>

    <section class="section">

      <h2>Welcome to Travel Bliss</h2>

      <p>Explore breathtaking destinations and book your dream holiday with us.</p>

      <img src="https://picsum.photos/id/1018/800/300" alt="Travel">

    </section>

  </main>

  <footer>

    <p>© 2025 Travel Bliss. All Rights Reserved.</p>

  </footer>

</body>

</html>
```

Destination.html:

```html
<!DOCTYPE html>

<html lang="en">
```

```html
<head>

  <meta charset="UTF-8">

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

  <title>Travel Bliss - Destinations</title>

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

</head>

<body>

  <header>

    <h1>Travel Bliss</h1>

    <p>Your gateway to amazing journeys</p>

  </header>

  <nav>

    <ul>

      <li><a href="index.html">Home</a></li>

      <li><a href="destinations.html">Destinations</a></li>

      <li><a href="booking.html">Booking</a></li>

      <li><a href="contact.html">Contact</a></li>

    </ul>

  </nav>

  <main>

    <section class="section">

      <h2>Our Top Destinations</h2>

    </section>

    <div class="grid">

      <img src="https://picsum.photos/id/1015/600/400" alt="Beach">

      <img src="https://picsum.photos/id/1025/600/400" alt="Mountains">

      <img src="https://picsum.photos/id/1040/600/400" alt="City">

      <img src="https://picsum.photos/id/1050/600/400" alt="Forest">
```

```
        </div>

      </main>

      <footer>

        <p>© 2025 Travel Bliss. All Rights Reserved.</p>

      </footer>

    </body>

    </html>


Booking.html:

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Travel Bliss - Booking</title>

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

</head>

<body>

    <header>

        <h1>Travel Bliss</h1>

        <p>Your gateway to amazing journeys</p>

    </header>

    <nav>

      <ul>

        <li><a href="index.html">Home</a></li>

        <li><a href="destinations.html">Destinations</a></li>

        <li><a href="booking.html">Booking</a></li>

        <li><a href="contact.html">Contact</a></li>
```

```html
    </ul>
  </nav>

  <main>

    <section class="section">

      <h2>Book Your Trip</h2>

    </section>

    <form>

      <input type="text" placeholder="Full Name" required>

      <input type="email" placeholder="Email" required>

      <select required>

        <option value="">Select Destination</option>

        <option>Beach</option>

        <option>Mountains</option>

        <option>City</option>

        <option>Forest</option>

      </select>

      <p>Travel Type:</p>

      <label><input type="radio" name="type" required> Solo</label>

      <label><input type="radio" name="type"> Couple</label>

      <label><input type="radio" name="type"> Family</label>

      <p>Extras:</p>

      <label><input type="checkbox"> Guided Tour</label>

      <label><input type="checkbox"> Meals Included</label>

      <label><input type="checkbox"> Airport Pickup</label>

      <br/><br/>

      <button type="submit">Submit Booking</button>

    </form>

  </main>
```

```html
  <footer>

    <p>© 2025 Travel Bliss. All Rights Reserved.</p>

  </footer>

</body>

</html>
```

Contact.html:

```html
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

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

  <title>Travel Bliss - Contact</title>

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

</head>

<body>

  <header>

    <h1>Travel Bliss</h1>

    <p>Your gateway to amazing journeys</p>

  </header>

  <nav>

    <ul>

      <li><a href="index.html">Home</a></li>

      <li><a href="destinations.html">Destinations</a></li>

      <li><a href="booking.html">Booking</a></li>

      <li><a href="contact.html">Contact</a></li>

    </ul>

  </nav>
```

```html
    <main>

      <section class="section">

        <h2>Contact Us</h2>

        <p>Email: info@travelbliss.com</p>

        <p>Phone: +123 456 789</p>

      </section>

      <form>

        <input type="text" placeholder="Your Name" required>

        <input type="email" placeholder="Your Email" required>

        <textarea placeholder="Your Message" required></textarea>

        <button type="submit">Send Message</button>

      </form>

    </main>

    <footer>

      <p>© 2025 Travel Bliss. All Rights Reserved.</p>

    </footer>

</body>

</html>
```

Style.css:
```css
/* Reset */

* {

  margin: 0;

  padding: 0;

  box-sizing: border-box;

}


body {
```

```css
    font-family:'Times New Roman', Times, serif;

    line-height: 1.6;

    background-color: #f4f4f4;

    color: #070707;

}


/* Header */
header {

    background: #2093d6;

    color: #fafafa;

    padding: auto;

    text-align: center;

}


header h1 {

    margin-bottom: 5px;

}


/* Navigation */
nav {

    background: #184d92;

}


nav ul {

    list-style: none;

    display: flex;

    justify-content: center;

}
```

```css
nav ul li {

    margin: 0 15px;

}


nav ul li a {

    color: rgb(252, 251, 251);

    text-decoration: none;

    font-weight: bold;

}


nav ul li a:hover {

    text-decoration: underline;

}


/* Grid layout for destinations */
.grid {

    display: grid;

    grid-template-columns: repeat(auto-fit, minmax(250px, 1fr));

    gap: 15px;

    padding: 20px;

}


.grid img {

    width: 100%;

    height: 200px;

    object-fit: cover;

    border-radius: 8px;
```

```css
}


/* Booking Form & Contact Form */

form {

    max-width: 500px;

    margin: 20px auto;

    padding: 20px;

    background: rgb(255, 255, 255);

    border-radius: 8px;

}


form input, form select, form textarea {

    width: 100%;

    padding: 10px;

    margin-bottom: 10px;

}


form button {

    background: #0077b6;

    color: white;

    padding: 10px;

    border: none;

    cursor: pointer;

}


form button:hover {

    background: #023e8a;

}
```

```css
/* Sections */

.section {

    padding: 20px;

    text-align: center;

}


.section img {

    margin-top: 20px;

    border-radius: 8px;

}


/* Footer */

footer {

    background: #0077b6;

    color: white;

    text-align: center;

    padding: 10px 0;

    margin-top: 20px;

}


/* Responsive */

@media (max-width: 600px) {

    nav ul {

        flex-direction: column;

    }

}
```

Case Study 2: "EcoTour – Explore Nature"

Type: Single Page Application (SPA) Tech:

HTML5, CSS3 Features:

1. Header & Branding – Logo and site title.

2. Navigation Bar – Sticky nav using with internal section links (#about, #gallery, #contact).

3. Hero Section – Full-width banner image.

4. About Section – Describes the purpose of the site.

5. Image Gallery – Grid layout for travel images.

6. Contact Form – HTML5 form validation with radio buttons.

7. Social Media Links – Icon links in the footer.

8. CSS3 Box Model & Positioning – Used for clean layout.

9. Responsive Design – Media queries for small screens.

Programs:

Index.html:

```
<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>EcoTour - Explore Nature</title>

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

</head>

<body>


    <!-- Header -->

    <header>

        <img src="https://picsum.photos/60" alt="EcoTour Logo">
```

```html
    <h1>EcoTour - Explore Nature</h1>
</header>

<!-- Navigation -->
<nav>
    <ul>
        <li><a href="#about">About</a></li>
        <li><a href="#gallery">Gallery</a></li>
        <li><a href="#contact">Contact</a></li>
    </ul>
</nav>

<!-- Hero Section -->
<section class="hero">
    Discover the beauty of the wild
</section>

<!-- About -->
<section id="about">
    <h2>About Us</h2>
    <p>EcoTour is dedicated to promoting sustainable travel experiences that bring you
closer to nature while preserving it for future generations.</p>
</section>

<!-- Gallery -->
<section id="gallery">
    <h2>Travel Gallery</h2>
    <div class="gallery-grid">
```

```html
        <img src="https://picsum.photos/id/1015/600/400" alt="Destination 1">

        <img src="https://picsum.photos/id/1025/600/400" alt="Destination 2">

        <img src="https://picsum.photos/id/1040/600/400" alt="Destination 3">

        <img src="https://picsum.photos/id/1050/600/400" alt="Destination 4">

    </div>

</section>


<!-- Contact -->

<section id="contact">

    <h2>Contact Us</h2>

    <form>

        <label>Your Name <span class="required">*</span></label>

        <input type="text" required>


        <label>Your Email <span class="required">*</span></label>

        <input type="email" required>


        <label>Preferred Tour Type <span class="required">*</span></label>

        <label><input type="radio" name="tour" required> Adventure</label>

        <label><input type="radio" name="tour"> Leisure</label>


        <label>Your Message <span class="required">*</span></label>

        <textarea required></textarea>


        <button type="submit">Send Message</button>

    </form>

</section>
```

```html
<!-- Footer -->

<footer>

    <p>Connect with us:</p>

    <a href="#">Facebook</a>|

    <a href="#">Instagram</a>|

    <a href="#">Twitter</a>

    <p>© 2025 EcoTour. All Rights Reserved.</p>

</footer>


</body>

</html>
```

Style.css:

```css
* {

    margin: 0;

    padding: 0;

    box-sizing: border-box;

}


body {

    font-family: Arial, sans-serif;

    line-height: 1.6;

    background-color: #f4f4f4;

    color: #333;

}


/* Header */

header {
```

```css
  background: #2a9d8f;

  color: white;

  text-align: center;

  padding: 20px;

}


header img {

  width: 60px;

  vertical-align: middle;

}


header h1 {

  display: inline-block;

  margin-left: 10px;

}


/* Navigation */
nav {

  background: #264653;

  position: sticky;

  top: 0;

  z-index: 100;

}


nav ul {

  display: flex;

  list-style: none;

  justify-content: center;
```

```css
}

nav ul li {

    margin: 0 15px;

}

nav ul li a {

    color: white;

    text-decoration: none;

    font-weight: bold;

}

nav ul li a:hover {

    text-decoration: underline;

}

/* Hero Section */
.hero {

    background: url('https://picsum.photos/id/1018/1200/500') no-repeat center
center/cover;

    height: 400px;

    display: flex;

    align-items: center;

    justify-content: center;

    color: white;

    font-size: 2em;

    font-weight: bold;

}
```

```css
/* About */
#about {
    padding: 40px 20px;

    background: white;

    text-align: center;
}


/* Gallery */
#gallery {
    padding: 40px 20px;

    background: #e9ecef;
}


.gallery-grid {
    display: grid;

    grid-template-columns: repeat(auto-fit, minmax(250px, 1fr));

    gap: 15px;
}


.gallery-grid img {
    width: 100%;

    height: 200px;

    object-fit: cover;

    border-radius: 8px;
}


/* Contact Form */
```

```css
#contact {
    padding: 40px 20px;
    background: white;
}

form {
    max-width: 500px;
    margin: 0 auto;
    background: #f8f9fa;
    padding: 20px;
    border-radius: 8px;
}

form label {
    font-weight: bold;
    display: block;
    margin-bottom: 5px;
}

form input, form textarea {
    width: 100%;
    padding: 10px;
    margin-bottom: 10px;
}

form button {
    background: #2a9d8f;
    color: white;
```

```css
    padding: 10px;

    border: none;

    cursor: pointer;

}


form button:hover {

    background: #1d6f63;

}


span.required {

    color: red;

    font-weight: bold;

}


/* Footer */

footer {

    background: #264653;

    color: white;

    text-align: center;

    padding: 15px 0;

    margin-top: 20px;

}


footer a {

    color: white;

    margin: 0 10px;

    text-decoration: none;

}
```

```css
footer a:hover {

    text-decoration: underline;

}


/* Responsive */

@media (max-width: 600px) {

    nav ul {

        flex-direction: column;

        text-align: center;

    }

}
```