ABBOTTABAD UNIVERSITY OF SCIENCE AND TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE
SUBJECT: SOFTWARE CONSTRUCTION & DEVELOPMENT

FINAL PROJECT	
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ROLL NUMBER	8861
SUBJECT	SCD
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DATED	14/AUGUST/2023

• Executive Summary:

The aim of this project was to create an attractive and user-friendly front end design for the hotel website. The goal was to enhance the hotel's online presence and provide potential guests with an easy-to-use experience. The design focused on modern aesthetics, convenient navigation and responsive design.

• Introduction:

In an age when online activity plays an important role in attracting customers, a stylish and functional hotel website is essential. The goal of this project was to transform the hotel's online interface into an engaging platform that engages users and helps them discover what the hotel offers.

- ## **Project Scope:**

  This project largely involved a complete redesign of the hotel's Web site. This includes a visually appealing layout, user-friendly navigation, room booking, image storage and other interactive features, and ensuring that the website works on devices on various types

- ## **The way it works:**

  The project followed an iterative design approach, starting with wire poles and progressing through design prototypes to final implementation.

- ## **Methodology:**

  The interface was created using HTML5, CSS3 and JavaScript to ensure a modern, interactive experience.

- ## Needs Assessment:

Requirements were collected through discussions with hotel managers. Basic requirements include a visually appealing design that matches the hotel brand, an easy way to display room options and amenities, a functional booking system, and a form which is easy to use is collected through already existing hotels sites on internet.

- ## Features and Functionality:

List and describe the various features implemented in the front end, such as room booking, photo gallery, contact form, etc.

• Future Enhancements:

In future we enhance integrating real-time room availability, incorporating virtual tours, and enhancing the photo gallery with more multimedia content could further elevate the user experience.

• Code:

Here is the complete code of project:

HTML:

```
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8" />
<title>MUHAMMAD HOTEL</title>
<meta name="viewport" content="width=device-width, initial-scale=1" />
<link rel="stylesheet" href="main.css" />
<!-- <script src="https://kit.fontawesome.com/dbed6b6114.js" crossorigin="anonymous"></script> -->
<link rel="icon" href="images/logo.png" type="image/png" />
</head>
<body>
<header class="header" id="header">
<div class="head-top">
```

```html
<div class="site-name">
<span>SARMAD ALI</span>
</div>
<div class="site-nav">
<span id="nav-btn">MENU <i class="fas fa-bars"></i></span>
</div>
</div>

<div class="head-bottom flex">
<h2> BABA HOTEL</h2>
<h2>NICE AND COMFORTABLE PLACE TO STAY</h2>
<p>
Leadership is creating an environment in which people want to be part
of the organization and not just work for the organization. Leadership
creates an environment that makes people want to, rather than have to,
do.
</p>
<button type="button" class="head-btn">GET STARTED</button>
</div>
</header>

<div class="sidenav" id="sidenav">
<span class="cancel-btn" id="cancel-btn">
<i class="fas fa-times"></i>
</span>

<ul class="navbar">
<li><a href="#header">home</a></li>
<li><a href="#services">services</a></li>
<li><a href="#rooms">rooms</a></li>
<li><a href="#customers">customers</a></li>
</ul>
```

```html
<button class="btn sign-up">sign up</button>

<button class="btn log-in">log in</button>

</div>


<div id="modal"></div>


<section class="services sec-width" id="services">

<div class="title">

<h2>services</h2>

</div>

<div class="services-container">

<article class="service">

<div class="service-icon">

<span>

<i class="fas fa-utensils"></i>

</span>

</div>

<div class="service-content">

<h2>Food Service/ Food Runner</h2>

<p>

A man who goes into a restauran Lorem ipsum dolor sit amet, consectetur adipisicing elit. Corporis fugiat porro vitae in, numquam provident quod beatae blanditiis totam? Assumenda blanditiis eum ut maxime odio.


</p>

<button type="button" class="btn">Know More</button>

</div>

</article>


<article class="service">

<div class="service-icon">

<span>

<i class="fas fa-swimming-pool"></i>
```

```html
</span>
</div>
<div class="service-content">
<h2>Refreshment</h2>
<p>
A lonely day is God's way of saying that he wants to spend some
quality time with you.
</p>
<button type="button" class="btn">Know More</button>
</div>
</article>

<article class="service">
<div class="service-icon">
<span>
<i class="fas fa-broom"></i>
</span>
</div>
<div class="service-content">
<h2>Housekeeping</h2>
<p></p>
<button type="button" class="btn">Know More</button>
</div>
</article>

<article class="service">
<div class="service-icon">
<span>
<i class="fas fa-door-closed"></i>
</span>
</div>
<div class="service-content">
```

```html
<h2>Room Security</h2>

<p>

The good we secure for ourselves is precarious and uncertain until

it is secured for all of us and incorporated into our common life.

</p>

<button type="button" class="btn">Know More</button>

</div>

</article>

</div>

</section>


<div class="book">

<form class="book-form">

<div class="form-item">

<label for="checkin-date">Check In Date: </label>

<input type="date" id="chekin-date" />

</div>

<div class="form-item">

<label for="checkout-date">Check Out Date: </label>

<input type="date" id="chekout-date" />

</div>

<div class="form-item">

<label for="adult">Adults: </label>

<input type="number" min="1" value="1" id="adult" />

</div>

<div class="form-item">

<label for="children">Children: </label>

<input type="number" min="1" value="1" id="children" />

</div>

<div class="form-item">

<label for="rooms">Rooms: </label>

<input type="number" min="1" value="1" id="rooms" />
```

```html
</div>

<div class="form-item">

<input type="submit" class="btn" value="Book Now" />

</div>

</form>

</div>


<section class="rooms sec-width" id="rooms">

<div class="title">

<h2>rooms</h2>

</div>

<div class="rooms-container">

<article class="room">

<div class="room-image">

<img src="images/img1.jpg" alt="room image" />

</div>

<div class="room-text">

<h3>Luxury Rooms</h3>


<p>

The first bedroom here,Lorem ipsum dolor sit amet consectetur adipisicing elit. Non, architecto? Culpa, minus
neque enim voluptates qui amet ex eveniet voluptate provident illo sed a nisi exercitationem nulla aspernatur quod
quisquam nemo dolore iusto quam animi mollitia doloribus cumque praesentium. Ullam!


</p>

<p>

While having more Lorem ipsum dolor sit amet consectetur adipisicing elit. Minima veritatis obcaecati quibusdam
dicta quis quia qui repellendus architecto autem iusto ipsum vitae, distinctio corporis quo temporibus aliquam officia
odit voluptatibus a praesentium! Adipisci ea incidunt cumque reiciendis eveniet, dolores omnis!

.

</p>

<p class="rate"><span>5000.00 /</span> Per Night</p>

<button type="button" class="btn">book now</button>
```

```html
</div>

</article>


<article class="room">

<div class="room-image">

<img src="images/img2.jpg" alt="room image" />

</div>

<div class="room-text">

<h3>Luxury Rooms</h3>

<p>

Of course, sometimes a stripped down design is what luxury is all

about. Lorem, ipsum dolor sit amet consectetur adipisicing elit. Ipsam minus autem consequuntur numquam, optio explicabo perspiciatis maiores iure, accusantium enim debitis quis deserunt dolorem qui eos laboriosam? Odio voluptate animi, obcaecati iusto tenetur nemo! Vero, sequi. Ex tenetur possimus assumenda!


</p>

<p class="rate"><span>5000.0 /</span> Per Night</p>

<button type="button" class="btn">book now</button>

</div>

</article>


<article class="room">

<div class="room-image">

<img src="images/img3.jpg" alt="room image" />

</div>

<div class="room-text">

<h3>Luxury Rooms</h3>


<p>

On the other end Lorem, ipsum dolor sit amet consectetur adipisicing elit. Labore quibusdam at asperiores aut voluptatum ea ipsam voluptas molestiae incidunt libero impedit maiores quas quaerat amet quae debitis, deserunt aperiam inventore veniam eveniet hic qui soluta!
```

```
</p>

<p>

The luxury features Lorem ipsum dolor sit amet consectetur adipisicing elit. Ipsa, quia. Odit consequatur quos nemo
non, nisi aliquam inventore optio, magni dolore cupiditate quibusdam laboriosam, laborum fugit officiis dolor
placeat a corporis eaque consequuntur quasi in?


</p>

<p class="rate"><span>5000.00 /</span> Per Night</p>

<button type="button" class="btn">book now</button>

</div>

</article>

</div>

</section>


<section class="customers" id="customers">

<div class="sec-width">

<div class="title">

<h2>customers</h2>

</div>

<div class="customers-container">

<div class="customer">

<div class="rating">

<span><i class="fas fa-star"></i></span>

<span><i class="fas fa-star"></i></span>

<span><i class="fas fa-star"></i></span>

<span><i class="fas fa-star"></i></span>

<span><i class="far fa-star"></i></span>

</div>

<h3>We Loved it</h3>

<p>

The staff were amazing. Lorem ipsum dolor sit amet consectetur

adipisicing elit. Eum amet beatae iste, culpa commodi rem quaerat
```

in soluta veritatis voluptatibus corporis adipisci voluptatem quo?

Repudiandae facilis vel distinctio consectetur voluptates tenetur

nobis et veniam laudantium magni illo vitae cupiditate

voluptatibus odit, fuga illum eos, similique perspiciatis

aspernatur rerum minima saepe cumque, deleniti aperiam. Aspernatur

unde fugiat illum commodi reprehenderit maiores?.

</p>

Anab Khan

</div>

<div class="customer">

<div class="rating">

<i class="fas fa-star"></i>

<i class="fas fa-star"></i>

<i class="fas fa-star"></i>

<i class="fas fa-star"></i>

<i class="far fa-star"></i>

</div>

<h3>Comfortable Living</h3>

<p>

Wonderful place to stay. Lorem ipsum dolor sit amet consectetur, adipisicing elit. Officia, error maiores nemo aliquam suscipit beatae quas. Magnam facilis officia animi officiis perferendis quos eaque id debitis tempore, omnis corrupti expedita ipsum quidem hic illo quo maxime deleniti blanditiis adipisci aut. Repellendus eius fugit natus magni ipsam sequi vero ipsum obcaecati illum, officiis ullam aut consequatur omnis. Optio quia ea sapiente!

</p>

SARMAD ALIII

</div>

<div class="customer">

<div class="rating">

```html
<span><i class=""></i></span>

<span><i class=""></i></span>

<span><i class=""></i></span>

<span><i class=""></i></span>

<span><i class=""></i></span>

</div>

<h3>Nice Place</h3>

<p>

stayed at Lorem ipsum, dolor sit amet consectetur adipisicing elit. At laborum odit alias consectetur doloribus
voluptatibus non officia quam iure modi, rem aspernatur sed perspiciatis dolor? Doloribus nihil recusandae veniam
nisi nesciunt possimus reprehenderit officia impedit praesentium cum, dicta sapiente molestias. Ab libero asperiores
a minima totam nisi sed fuga nobis ipsam recusandae? Veniam cupiditate nobis provident repudiandae sint rem
laboriosam!


</p>

<img src="images/cuss3.jfif" alt="customer image" />

<span>USMAN ABBAS </span>

</div>

</div>

</div>

</section>


<footer class="footer">

<div class="footer-container">

<div>

<h2>About Us</h2>

<p>

At BABA Hotel, our core values are the principles that guide,

motivate and inspire us as we bring our mission to life. These core

values describe how we do what we do and they are the very essence

of new Hotels.

</p>

<ul class="social-icons">
```

```html
<li class="flex">
<i class="fa fa-twitter fa-2x"></i>
</li>
<li class="flex">
<i class="fa fa-facebook fa-2x"></i>
</li>
<li class="flex">
<i class="fa fa-instagram fa-2x"></i>
</li>
</ul>
</div>


<div>
<h2>Useful Links</h2>
<a href="#">Rooms</a>
<a href="#">Subscription</a>
<a href="#">Gift Card</a>
</div>


<div>
<h2>Privacy</h2>
<a href="#">Career</a>
<a href="#">About Us</a>
<a href="#">Contact Us</a>
<a href="#">Services</a>
</div>


<div>
<h2>Have A Question</h2>
<div class="contact-item">
<span>
<i class="fas fa-map-marker-alt"></i>
```

```html
</span>

<span> fawara chowk Abbottabad </span>

</div>

<div class="contact-item">

<span>

<i class="fas fa-phone-alt"></i>

</span>

<span> 03155521115 </span>

</div>

<div class="contact-item">

<span>

<i class="fas fa-envelope"></i>

</span>

<span> asarmad69@gmail.com </span>

</div>

</div>

</div>

</footer>


<script src="script.js"></script>

</body>

</html>
```

CSS:

```css
:root{

    --transition: all 0.7s ease;

    --yellow: #f9d342;

    --dark: #292826;

}
*{
```

```css
    box-sizing: border-box;

    padding: 0;

    margin: 0;

    font-family: 'Playfair Display', serif;

}

html{

    scroll-behavior: smooth;

}

body{

    line-height: 1.6;

}

.btn{

    font-size: 16px;

    text-transform: uppercase;

    font-weight: 600;

    border: none;

    border-radius: 5px;

    padding: 10px;

    width: 140px;

    display: block;

    margin: 15px auto;

    cursor: pointer;

    transition: var(--transition);

}

.btn:hover{

    opacity: 0.85;

}

.flex{

    display: flex;

    flex-direction: column;

    justify-content: center;

    align-items: center;
```

```css
}
h1, h2, h3, h4, h5, h6{
   padding: 8px 0;
}
img{
   width: 100%;
   display: block;
}
@media(max-width: 500px){
   body{
      font-size: 14px;
   }
}


/* header */
.header{
   background: linear-gradient(rgba(0, 0, 0, 0.6), rgba(0, 0, 0, 0.2)), url("images/banner-img.jpg") center/cover no-repeat;
   min-height: 100vh;
   color: #fff;
   padding: 25px;
   display: flex;
   flex-direction: column;
   align-content: stretch;
}
.head-top{
   display: flex;
   justify-content: space-between;
   align-items: center;
}
.head-top span{
   cursor: pointer;
```

```css
    letter-spacing: 2px;

    transition: var(--transition);

}

.head-top span:hover{

    color: var(--yellow);

}

.head-bottom{

    flex: 1;

    text-align: center;

    width: 80vw;

    margin: 0 auto;

}

.head-bottom h2{

    padding: 22px 0;

    font-size: 45px;

    border-bottom: 1px solid #fff;

}

.head-bottom p{

    opacity: 0.7;

    font-size: 20px;

    margin: 45px auto;

    width: 60vw;

}

.head-btn{

    margin: 20px 0;

    font-size: 20px;

    font-weight: bold;

    border: 3px solid #fff;

    background: transparent;

    padding: 13px 20px;

    background: rgba(0, 0, 0, 0.3);

    color: #fff;
```

```css
    cursor: pointer;

    transition: var(--transition);

}

.head-btn:hover{

    background: transparent;

}

@media(max-width: 500px){

    .head-btn{

        font-size: 17px;

    }

    .head-bottom h2{

        font-size: 28px;

    }

    .head-bottom p{

        font-size: 17px;

        margin: 20px auto;

    }

}


/* side nav */

.sidenav{

    background: var(--dark);

    color: #fff;

    position: fixed;

    top: 0;

    bottom: 0;

    right: -100%;

    width: 300px;

    padding: 20px;

    transition: var(--transition);

    z-index: 10;

}
```

```css
/********/
.sidenav.show{
   right: 0;
}
/************/
.cancel-btn{
   position: absolute;
   right: 25px;
   font-size: 22px;
   cursor: pointer;
   transition: var(--transition);
}
.cancel-btn:hover{
   opacity: 0.7;
}
.navbar{
   margin-top: 50px;
   list-style: none;
   padding: 12px;
}
.navbar li a{
   color: #fff;
   text-transform: capitalize;
   text-decoration: none;
   padding: 15px 0;
   display: block;
   border-bottom: 0.5px solid rgba(249, 211, 66, 0.3);
   opacity: 0.8;
   letter-spacing: 1.5px;
   transition: var(--transition);
}
```

```css
.navbar li a:hover{

  padding-left: 12px;

}

.sign-up, .log-in{

  background: var(--yellow);

  color: #fff;

}

@media(max-width: 400px){

  .sidenav{

    width: 100vw;

  }

}


/** title */

.title{

  text-transform: uppercase;

  letter-spacing: 3px;

  font-size: 30px;

  color: var(--yellow);

  border-bottom: 5px solid var(--dark);

  width: 235px;

  margin: 15px 0;

}


.sec-width{

  width: 85vw;

  margin: 0 auto!important;

}


/* service */

.services{

  margin: 40px 0;
```

```css
            }
    .service{
        display: flex;
        margin: 30px 0;
    }
    .service-icon{
        flex: 30%;
        align-self: flex-start;
        font-size: 48px;
        color: #252525;
    }
    .service-content{
        padding-left: 20px;
    }
    .service-content h2{
        opacity: 0.7;
    }
    .service-content button{
        margin-left: 0;
        margin-right: 0;
        background: var(--yellow);
        color: #fff;
    }
    @media(min-width: 992px){
        .services-container{
            display: grid;
            grid-template-columns: repeat(2, 1fr);
            grid-column-gap: 30px;
        }
        .title h2{
            font-size: 10px!important;
        }
```

```css
    }
    @media(max-width: 500px){
        .title h2{
            font-size: 24px;
        }
    }


/* booking form */
.book{
    background: linear-gradient(rgba(0, 0, 0, 0.85), rgba(0, 0, 0, 0.85)), url("images/banner-img.jpg") center/cover
no-repeat;
    color: #fff;
    padding: 40px 60px;
}
.book-form{
    display: grid;
}
.form-item{
    display: flex;
    flex-direction: column;
    justify-content: center;
}
.book-form input[type = "submit"]{
    margin: 18px 0 0 0;
    background: var(--dark);
    color: #fff;
    border: 1px solid #fff;
}
.book-form label, .book-form input{
    width: 100%;
}
.book-form label{
```

```css
    font-weight: 600;

    word-spacing: 5px;

    padding-bottom: 8px;

}
.book-form input:not(.btn){

    margin: 4px 0 16px 0;

    padding: 12px 15px;

    border-radius: 5px;

    font-size: 17px;

    border: none;

}
.book-form input:focus{

    outline: 0;

    box-shadow: 0 0 7px rgba(0, 0, 0, 0.4);

}
@media(min-width: 768px){

    .book-form{

        grid-template-columns: repeat(2, 1fr);

        grid-gap: 24px;

    }

}
@media(min-width: 1170px){

    .book-form{

        grid-template-columns: repeat(3, 1fr);

    }

}
@media(min-width: 1370px){

    .book-form{

        grid-template-columns: 2fr 2fr 1fr 1fr 1fr 2fr;

    }

    .book{

        height: 40vh;
```

```css
            display: grid;

        }

    }

    @media(max-width: 500px){

        .book{

            padding-left: 20px;

            padding-right: 20px;

        }

    }


    /* room */


    .rooms{

        margin: 40px 0;

    }

    .room{

        margin: 45px 0;

        padding-bottom: 25px;

        background: var(--dark);

        color: #fff;

    }

    .room-text{

        padding: 5px 20px;

    }

    .room-text h3{

        font-size: 24px;

    }

    .room-text ul{

        list-style-type: none;

        margin: 15px 0;

    }

    .room-text ul li{
```

```css
    padding: 7px 0;
}
.room-text ul li i{
    color: var(--yellow);
    margin-right: 10px;
}
.rate{
    opacity: 0.8;
}
.rate span{
    font-size: 40px;
    font-weight: 900;
    color: var(--yellow);
}
.room-image{
    overflow: hidden;
}
.room-image img{
    transition: var(--transition);
}
.room-image:hover img{
    transform: scale(1.1);
}
@media (min-width: 900px){
    .rooms-container{
        display: flex;
        flex-wrap: wrap;
    }
    .room{
        flex: 0 0 calc(50% - 20px);
        margin: 10px;
    }
```

```css
    }
    @media(min-width: 1370px){
      .rooms-container{
        flex-direction: column;
      }
      .room{
        display: flex;
        padding-bottom: 0;
        margin: 5px 0;
      }
      .room-image{
        flex: 1;
      }
      .room-image img{
        height: 100%;
      }
      .room-text{
        flex: 1;
      }
      .room:nth-child(even){
        flex-direction: row-reverse;
      }
    }


/* customers */


.customers{
  margin-top: 40px;
  padding: 40px 0;
  background: linear-gradient(rgba(0, 0, 0, 0.5), rgba(0, 0, 0, 0.5)), url("images/customer-banner.jpg") center/cover
no-repeat fixed;
}
```

```css
.customer{
    background: #fff;
    padding: 35px;
    text-align: center;
    margin: 24px 0;
    box-shadow: 0px 0px 5px rgba(0, 0, 0, 0.75);
    cursor: pointer;
    transition: var(--transition);
}
.rating{
    margin: 10px 0;
    color: var(--yellow);
}
.customer h3{
    font-size: 25px;
}
.customer p{
    opacity: 0.7;
    line-height: 1.8;
    width: 60%;
    margin: 0 auto;
}
.customer img{
    width: 170px;
    height: 170px;
    border-radius: 50%;
    margin: 25px auto;
}
.customer span{
    font-weight: 700;
    opacity: 0.7;
}
```

```css
.customer:hover{
   transform: translateY(-18px);
}
@media(min-width: 992px){
   .customers-container{
      display: grid;
      grid-template-columns: repeat(2, 1fr);
      grid-gap: 30px;
   }
}
@media(min-width: 1370px){
   .customers-container{
      display: grid;
      grid-template-columns: repeat(3, 1fr);
   }
}
@media(max-width: 500px){
   .customer p{
      width: 100%;
   }
   .customer img{
      width: 100px;
      height: 100px;
   }
}


/* footer */
.footer{
   background: var(--dark);
   color: #fff;
   text-align: center;
}
```

```css
.footer-container{

    width: 85vw;

    margin: 0 auto;

    padding: 30px 0;

}

.footer-container p, .footer-container a, .footer-container span{

    opacity: 0.8;

}

.footer a{

    display: block;

    color: #fff;

    text-decoration: none;

}

.social-icons{

    list-style: none;

    display: flex;

    justify-content: center;

    padding: 15px 0;

}

.social-icons li{

    margin: 0 10px;

    width: 50px;

    height: 50px;

    background: #2e2e2e;

    border-radius: 50%;

    transition: var(--transition);

    cursor: pointer;

}

.social-icons li:hover{

    background: #fff;

    color: #2e2e2e;

}
```

```css
.contact-item span{

  display: block;

}

@media(min-width: 900px){

  .footer-container{

    display: grid;

    grid-template-columns: repeat(2, 1fr);

    grid-gap: 20px;

  }

}

@media(min-width: 1170px){

  .footer{

    text-align: left;

  }

  .footer-container{

    grid-template-columns: repeat(4, 1fr);

  }

  .footer-container div:nth-child(1) p{

    padding-right: 20px;

  }

  .contact-item{

    display: grid;

    grid-template-columns: 10% 90%;

    margin-bottom: 15px;

    align-items: center;

  }

}


.showModal{

  position: fixed;

  background: transparent;

  top: 0;
```

```
    right: 0;

    bottom: 0;

    left: 0;

    z-index: 5;

}
```

JavaScript:

```javascript
const navBtn = document.getElementById('nav-btn');

const cancelBtn = document.getElementById('cancel-btn');

const sideNav = document.getElementById('sidenav');

const modal = document.getElementById('modal');


navBtn.addEventListener("click", function(){

    sideNav.classList.add('show');

    modal.classList.add('showModal');

});


cancelBtn.addEventListener('click', function(){

    sideNav.classList.remove('show');

    modal.classList.remove('showModal');

});


window.addEventListener('click', function(event){

    if(event.target === modal){

        sideNav.classList.remove('show');

        modal.classList.remove('showModal');

    }

});
```