

2021

WEB DESIGN PROGRAM

REPORT ABOUT WEB PROJECT

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ISLAM NAHIDUL

STUDENT ID:20192902014

DEPARTMENT: CST-19

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Introduction:

According to the requirement of our final web project, I chose Hotel & Resort which is one kind of hospitality. My website's name is "ORCHID BEACH RESORT". This is an oceanside resort with great facilities to enjoy the beauty of the Ocean. On this project, I used HTML, CSS, and JAVASCRIPT which I learned this semester through the WEB DESIGN PROGRAM course. I also used simple JQuery code somewhere which I learned through this semester. It has 5 pages including a Home page a login page and a signup page.

Objective:

The objective is to design and implement a user interface for customers. The Project is to create a website that will be used as a web presence for customers. Following are the important aspects that I considered while designing the website for Orchid Beach Resort.

1. Resort location, and contact information.
2. A list of Resort's surprises
3. Accommodation Information
4. Facilities providence
5. Latest Picture Gallery
6. Gathering Capacity table
7. Login and Signup facilities
8. To create a responsive website
9. To create an attractive and dynamic website

Planning:

Named ORCHID BEACH RESORT will be 5 pages which are Home, Accommodation, Facilities, Gallery, and Contact pages. There will be another two pages which are login and signup pages. A logo on the top-left side of the Home page. The home page will have a brief description of our accommodation and facilities. And at the end of the Home page will be our location map and or full address and our social media icons.

The accommodation page will be designed with a photo slider on the top after the navigation bar. After then accommodations information with price and photographs.

The facilities page will be designed by our restaurant, pool, bar, café, and other facilities including pictures. There will be a table with information. On the gallery page, there will be a picture gallery with a description. In contact page will have our contact information and a contact form with the field First name, last name, email, phone no, and message box. Login and signup page will be responsive with the field username E-mail & password box and also submit button.

Every page will be inter-connected and the navigation bar will be every page except the login and signup page.

System Requirements:

Creating a responsive website needs related information and data. I used visual code editor software to write code. Before starting to code I collected the logo and other

photographs and I created a folder Named Web Project then saved this information there. I used social media icon from font awesome website.

- Visual code editor
- Google Chrome Browser

Analysis & Implementation:

Home Page:

At the very beginning, I created an HTML file named Index.html where I wrote an HTML code-related Homepage. There has a link that is linked with CSS named Style.css also in the head tag there has another script link that is connected with font awesome.

The body is divided into sections in HTML file. The first section contains the navigation bar like logo and other page titles. I put there a script for opened page hover/over. I used a simple query selector to mention which page is opened. Another section contains text content inside a paragraph tag with a heading. In this section, I took a div for including a video with a video tag. Then you can see a unordered list along the right side of the video. There has another section which contains images, paragraph, an order list, and icons. I designed it to inform our customers about our facilities.

Finally, the footer section which is containing 'about us', Resort's address, the copy right message, and social media icons and developer information. I linked that icon with related social media by using a tag. I also designed these icons using CSS style. I make it hover. If you pass your cursor over these icons, you can see a nice hover effect. There has an unordered list with a hover effect. I took an image at the very first of the home

page as a background in the header section by using CSS style. In the Style.css file, I designed all the content which I wrote in an HTML file. For positioning everything perfectly I have taken a div tag with id and class attributes. I designed the background color by using CSS.

Accommodation page:

I have created a separate HTML file for this page and also a separate CSS file. After then I invoked that CSS file inside of accommodation.html's head with a link tag. You can see on this page the same navigation bar and footer as like home page. But after the navigation bar, I put a photo slide with JavaScript at the end of the body which is externally linked. You can see the different pictures by clicking the arrows which are put in the left and right middle of the picture. At next there's a couple of heading and a paragraph. Then next I included some photographs of our Resorts rooms and suites. These pictures have a heading and the price at the bottom.

Facilities Page:

This page is also like same as the accommodation page how I created. But the exception is I have put a table before the footer. This table is nicely designed by CSS. I used the hover effect on the table. If you pass the cursor on over the table you can see a very nice hover effect on it. I positioned and designed every content in the CSS file using appropriate value.

Gallery page:

This page is also the same as another page like accommodation and facilities. But the exception is about content. I created a picture gallery. To create this gallery, I used a div tag. This HTML file is also styled by external CSS styling.

Contact Page:

On this page header and footer same as like home page. The exception is I put a photo after the navbar then in the div, I put addresses of our resort. Then I created a contact form by using the form tag. There have seven input boxes and a submission button. I validate this form using simple JavaScript. For this page, I created a separate contact.html file. In this file, I used internal CSS styling and internal JavaScript at the bottom of the body. In this JavaScript, I used a function with a loop to validate the input box. If any input box will empty then the alert will show on the top.

Login Page:

This page is including a form inside the input box and a button. I designed it with an internal CSS style. This form is validated with simple JavaScript which is embedded internally in this Login.html file. If you miss any input then click the submit button then an alert will be shown on the top.

Signup Page:

This page is very responsive. I also created this page as a login page but the exception is the design and input field and most importantly validation of this page. If you miss any field then you can see the box border will be red and you can see the message inline.

Even if you input the wrong E-mail then it will give you an alert. I used a simple function with if statement and inner HTML to show the message inline of the input box.

Outputs/Results:

The index.html is the main file to open my Orchid Beach Resort website. Every page is linked in with this index and also each other. You can easily move one page to other pages. But the exception is the login page and signup page. You have to use browser help to get back. After developing this, website it works fine.

1. Home page

- On the left corner a logo.
- On the top login, signup, home, accommodation, facilities, gallery and contact page with hover effect.
- An image as background and a link middle of this background image.
- In the body part brief description in the paragraph and related latest images
- A video and an unordered list with beautiful hover effect.
- A location map and an ordered list with icons
- Footer with about us, address, social media icons linked with related media
- Finally, copyright message and developer information.

2. Accommodation page

- In the body part a picture slider with button left and right side of this slider in the middle
- Heading and paragraph

- Category of our accommodation with price and picture

3. Facilities Page

- An image and heading with paragraph
- Our restaurant, café, bar and pool service with image
- A table of capacity with beautiful hover effect

4. Gallery page

- A unique photo gallery

5. Contact page

- A latest image of our Resort
- Contact information
- A validated form to send us message

6. Login page

- A beautiful background image
- A login forms
- This is a validated form with a login button
- A check box and a forgot password link

7. Signup page

- A validated form with submit button
- An image as background

Difficulties faced:

HTML:

When I was writing HTML code it was very easy and nice. I did not face any problem to write HTML code.

CSS:

I faced so many problems when I was writing according to the design HTML tag and for doing content positioning and designing. When I was tried to create a photo gallery at the moment, I could not do that. I wanted to show pictures in inline but it was coming vertically. Then later I could sort it out by using display value inline-block.

JavaScript:

I used simple JavaScript which I learned through this semester. Like a function, for loop, if statement, and a simple JQuery which I learned this semester.

Conclusion:

I think, a website is a mirror of an organization or institute. Peoples or clients judge based on this website nowadays. So, it needs to see beautiful. I started from scratch to develop this website. I have tried to design this website perfectly. The JavaScript codes I used what I learned through this semester. After finish, this web site works perfectly.