



Southwest University
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Report for Mini Group Project

(Group 2)

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Introduction

Web design refers to the design of websites that are displayed on the internet. It usually refers to the user experience aspects of website development. Web design used to be focused on designing websites for desktop browsers; however, since the mid-2010s, design for mobile and tablet browsers has become ever-increasingly important. Two of the most common methods for designing websites that work well both on desktop and mobile are responsive and adaptive design. In responsive design, content moves dynamically depending on screen size; in adaptive design, the website content is fixed in layout sizes that match common screen sizes.

Consideration

Things we need to consider when we are going to make a website:

Aesthetics: Whenever we think about web design, this is the most important factor. Brand's identity dictates website's aesthetics and it must be well condensed by web design. This means making sure online presence matches colors, styles, and feel. We need to be careful not to exaggerate, as too many elements might bog down web visitor's experience.

Usability: We can't forget that real people will use our website, so web design needs to have good usability. Usability means being able to be browsed by an audience of multiple backgrounds, ages, and specialties. Simplicity is one of its most important principles.

Content quality: Even if all the other web design elements work well, they are nothing without good content. That is why so many businesses choose Content Marketing so that they always have quality content that people will want to read and share. This job requires making sure our pages add value to our visitor's time by offering the right solutions.

Speed: It is very important now a days. People can't wait a long time for some reason like now a days internet speed is very high so, we need to make sure that our web page also fast. If page load time is very high then we will be loss our audience. So we need to be ensure that our web page load speed is not more than 3s.

Responsiveness: If our website does not load correctly on smartphones and tablets, we might be loss our potential audience. In order to avoid that, our web design strategy should make sure that our content is responsive or mobile friendly.

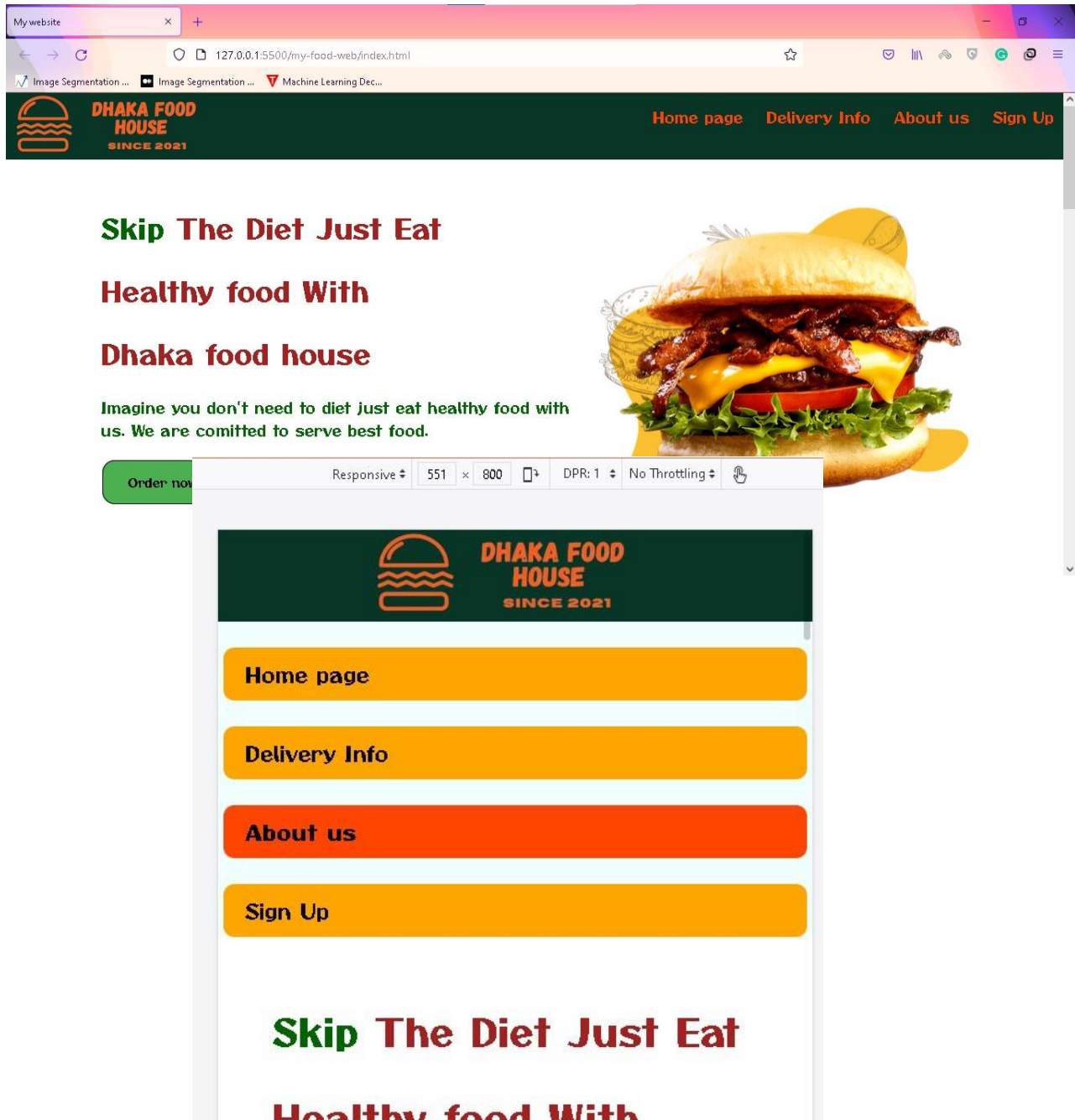
Background

In this project we created a simple **responsive food website** with **reusable HTML** custom component. The website contains total four pages which are home, delivery info, about us, signup page. First In the home page we can see restaurant home page and order section where people can order food. Second page is delivery info where people can see their order delivery information but we didn't add any technology about delivery. Third page is about us there have

some basic information about restaurant. Fourth page is signup page people can sign up in this website. All pages have same header and footer we used JavaScript code for doing this.

We have used three language to make this website

1. HTML
2. CSS
3. JavaScript



Layout Technology

List-layout: we have used various list layout to organize the lists of items in our webpage, Eg:
`<section></section> <div></div> <nav> li>`

Box-Layout: We used box layout to add our all the food in our order section. It's better to handle order section by using box layout.

Form layout: In the sign-up page, we use form layout which is most suitable to enable new users to input their information and access the page. Eg: Input text, input password etc.

Style Technology

In this project, we use **background color** and **background images** to design the homepage and other pages for more clarity.

We used a **linear animation** to our first home page burger picture. Also we used **hover transition** to our order button and food description.

We used the **flex display** in our page header and also page content so that it can be responsive page. The **inline- box and wrap** displays were used to position various texts and buttons.

We have also used a **font** from google and various color to the text to beautify our page visualization.

By using **JavaScript** code we make our **header** and **footer reusable**. So it is better to find any page by this style technology.

JavaScript Code

In our project we used JavaScript code for reusable HTML custom components. By using this code we can use same header and footer to every page but we don't need to write the same code again and again. Here is the code:

```

class MyHeader extends HTMLElement {
  constructor() {
    super();
  }
  connectedCallback() {
    this.innerHTML = `

      . . . . .

    `;

    let activePage = this.getAttribute("top-menu");
    if (activePage) {
      let link = this.querySelector(`a[href="${activePage}"]`);
      link.parentElement.className = "active";
    }
  }
}
customElements.define("my-header", MyHeader);

```

```

class MyFooter extends HTMLElement {
  constructor() {
    super();
  }
  connectedCallback() {
    class MyHeader extends HTMLElement {
      constructor() {
        super();
      }
      connectedCallback() {
        this.innerHTML = `

          . . . . .

        `;
      }
    }
  }
}
customElements.define("my-footer", MyFooter);

```

Conclusion

This is our first website we have made it with HTML, CSS and JS code. From this website users can order food can see their order food's delivery information. They also can know from about us some basic information and at last users can sign up to this website to get more information and track their order and get discount offer.