**ASIA PACIFIC INSTITUTE OF INFORMATION TECHNOLOGY**

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**Individual Assignment**

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Acknowledgement.

The successful completion of this website creation would not have been possible without the support, guidance, and contribution of several individuals. I would like to take this opportunity to express my sincere gratitude to all those who have helped and inspired me throughout this journey.

I am deeply grateful to Mr. Pradeep Pallegama, my mentor and guild, whose invaluable insights and constructive feedback are instrumental in navigating the complexities of this project.

Lastly, I extend my gratitude to my family and friends for their unwavering support and understanding during this project.

S. Pranoshian

CB012567

Introduction

In today’s digital age a website is an essential tool for businesses, organizations, and individuals to establish their online presence, connect with their audience and promote their product and services. This report provides a detailed overview of my website creation process, wireframes, what I learned from this project, challenges I faced during this project and how I overcome them.

The main purpose of my project is to provide a successful and attractive website to my client on the topic of groceries.

At the end of this project, I created a successful and functional website called Grocewave. This website has totally 8 pages those are Home Page, About Us Page, four Product Pages, Order Page, and loyalty Registration Page. This web site is hosted through GitHub Pages.

Groce wave website link – ( https://pranoshian.github.io/Grocewave/ )

What I learned from this project

Through this project, several key learning emerged that have enhanced my understanding of website creation and development. Here are they,

1) Semantic HTML.

2) GitHub.

3) CSS (Cascading Style Sheet).

Semantic HTML.

In this project, I gained valuable experience with semantic HTML, which significantly improved the structure and accessibility of the web pages I devolved. By utilizing tags such as ‘<header>’,

‘<nav>”, ‘<main>”, ‘<footer>”, I was able to clearly define the different sections of my web pages, making the content more understandable for both users and search engines. This approach not only approach not only enhanced the overall user experience but also ensured better SEO performance.

GitHub.

Through this project, I delved into learning what GitHub is and how it can be utilized effectively in software development. GitHub is a web-based platform for version control and collaboration, allowing multiple developers, which are essentially storage space for project files. By using GitHub I learned how to create repositories and branches.

CSS (Cascading Style Sheet).

Finally, through this project, I gained a thorough understanding of what CSS (Cascading Style Scheet) is and how it is used in web development. CSS is a stylesheet language that controls the presentation and layout of HTML documents. By experimenting with various CSS properties. I learned how to style elements, control positioning, and create responsive designs that adapt to different screen sizes. This helps me to make my website more attractive.

Challenges I faced during this project and How I overcome them.

During this project. I encountered two major challenges that tested my skills and problem-solving abilities. Those are,

1) Time management.

2) GitHub Launch error.

Time management.

Effectively managing time during the project was crucial. Prioritizing tasks, breaking the project into milestones, and setting deadlines ensured progress stayed on track. Implementing time blocking enhanced productivity by forcing on one task at a time, while utilizing project management tools facilitated efficient organization and progress monitoring. Remaining flexible allowed adjustments for unexpected changes, ensuring project goals were achievable. Through these strategies, I successfully balanced tacks and met deadlines amidst competing priorities, navigating challenges efficiently.

GitHub Launch Error.

At the end of my project, I planned to upload my files to GitHub. After uploading my files. I started to un my website while launching my website through GitHub Pages. I encountered an error that prevented my site from displaying correctly. After investigating the issue, discovered that the problem stemmed from not naming my homepage ‘index.html’. GitHub Pages relies on a file named ‘index.html’ as a default entry point for the website. Without this correctly named file, the server couldn’t find the homepage, resulting in an error. Once I renamed my main HTML file to ‘index.html’, the website launched successfully, and everything displayed as expected. This experience taught me the importance of adhering to naming conventions and specifies of deploying websites on GitHub Pages.