

**INTERNSHIP ON USER INTERFACE AND USER EXPERIENCE (UI/UX)
DESIGN**

BY

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This Report Presented in Partial Fulfillment of the Requirements for the Degree of
Bachelor of Science in Computer Science and Engineering

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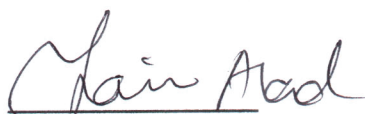
**DAFFODIL INTERNATIONAL UNIVERSITY
DHAKA, BANGLADESH**

July 2024

APPROVAL

This Internship titled “**Internship on User Interface & User Experience (UI/UX) Design**”, submitted by **Adity Akter** and **ID:183-15-11802** to the Department of Computer Science and Engineering, Daffodil International University, has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of B.Sc. in Computer Science and Engineering and approved as to its style and contents. The presentation has been held on **16 July, 2024**.

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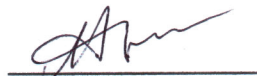
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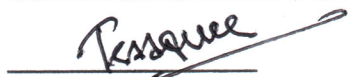
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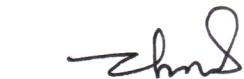
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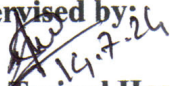
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DECLARATION

I hereby declare that, this internship has been done by me under the supervisor of **Raja Tariqul Hasan Tusher, Assistant Professor, Department of CSE** Daffodil International University. I also declare that neither this project nor any part of this project has been submitted elsewhere for award of any degree diploma.

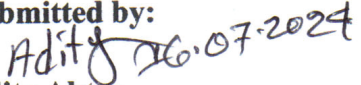
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ACKNOWLEDGEMENT

First of all, I would want to sincerely thank and feel happy to God for His heavenly grace, which has enabled us to successfully finish the final year internship.

I would like to express my sincere gratitude and debt of gratitude to **Raja Tariqul Hasan Tusher, Assistant Professor**, CSE Department, Daffodil International University, Dhaka. Our supervisor has a deep understanding of User Interface & User Experience Design and is highly motivated to complete this job. It was made possible to finish this project by his unending patience, academic direction, persistent encouragement, continuous and ardent monitoring, constructive criticism, insightful counsel, reading numerous subpar versions and fixing them at every level.

We are very grateful to **Dr. Sheak Rashed Haider Noori, the Head of the CSE Department** and Professor, for his invaluable assistance in helping me to complete my Project. We also extend our gratitude to the other faculty members and staff members of Daffodil International University's CSE department.

I want to express my gratitude to every student at Daffodil International University who participated in this discussion while finishing their coursework.

ABSTRACT

The sister company of Amber Group is Amber IT Software Team. Web development, app development, graphic design, printing, digital marketing, hardware and software solutions are all provided by Amber IT Software Team, an IT solutions provider. In addition to leading the UX/UI Designing team within the organization, I am a member of the core team. While I was employed there, I worked on a number of projects with numerous, active clients, some of whom were from overseas. I've been able to identify my interests and develop a clear vision for myself thanks to my experience at the organization. Working with UX/UI Designing allowed me to go further into the subject and understand the guiding ideas and techniques of online and app design. I developed designs using Adobe XD, which I learned. In the days that followed, I will begin front-end development after completing Bootstrap boot camp. While I was able to hone my tool abilities, my primary area of expertise in design can only advance with time and inspiration. My professional aspirations are to stay in the design area.

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CHAPTER 1

INTRODUCTION

1.1 Introduction

A summer internship is one type of educational opportunity that enables me to gain real-world experience relevant to my academic work and professional growth. It offers me the ability to develop, pick up new abilities, and try new things in order to advance in my work. It enables me to infuse my workplace with fresh ideas and vitality. I took a lot of classes at Daffodil International University to finish my undergraduate degree in computer science and engineering. After completing an internship, I decided to continue my career by joining Amber IT Software Team and learning UI/UX.

1.2 Motivation

My motivation to do an internship really increases when I think about my future place of employment. Every organization, including IT farms, is in search of an experienced man. When I was first learning UI/UX, it was easy for me to create a website in a few of days. However, I want to do more than that; I want to learn more and develop my creative abilities. I think an internship is a place where anyone, undergraduate or not, may learn new things and explore their creative side. I believe that everyone may gain a great deal of knowledge from the mistakes and accomplishments of others.

1.3 Internship Goals

- I consider the best ways to learn new abilities and become well-versed in all subjects.
- My goal is to become more proficient in communication, and technology.
- I'm attempting to think of an original design.
- I'm attempting to learn something new.
- attempting to focus under pressure and get ready to join any squad.
- Proficient in recognizing issues of any kind and making an effort to resolve them.

- I'm trying to find out about every job opportunity.
- I worked very hard to get my job since I might receive a job offer from the company after completing my internship.
- I worked really hard to get this job because I might even get an offer of employment from the company after my internship is over..

1.4 The Overview of the Company

Amber IT Software Team is a full-service website design and development firm based in Bangladesh that places a major emphasis on web security and creative design. They have been developing a high-performing website, software, and app for more than six years. provides the newest, most user-friendly digital experiences for financial services, insurance businesses, schools, and colleges, as well as e-commerce services. They are aware that developing user-friendly experiences through market research and UX best practices.

1.5 Layout of Report

The key concepts I've learnt about User Interface & User Experience during the last three months are outlined in my report. It covers all the important facets of my internship. I try to divide my travel into chapters so that people can better understand it. In that chapter, I discussed my internship, the major objective I set for it, how I get motivated to do internships, and a synopsis of my company. In chapter 2, I went into great length regarding my business. The third section of this study focuses on their offerings, current location, and future goals. Every job I've had for the past three months is listed in this chapter, along with all of my obligations.

CHAPTER 2

ORGANIZATION

2.1 Introduction

A quickly growing software development company, Amber IT Software Team offers comprehensive software and hardware solutions to startups, agencies, and SME entrepreneurs as well as multinational corporations. After founding Amber IT Software Team in 2010, the company's owners and key employees have over 12 years of combined industry experience. They provide full-stack software development and UI/UX design services to a wide range of industries, including eCommerce, gaming, real estate & property, healthcare & fitness, health & banking, and more. The argument put up is that companies shouldn't have to pay consultants for a strategic plan that they know will fail after just a few years.



Figure 2.1: Picture of Office Colleague

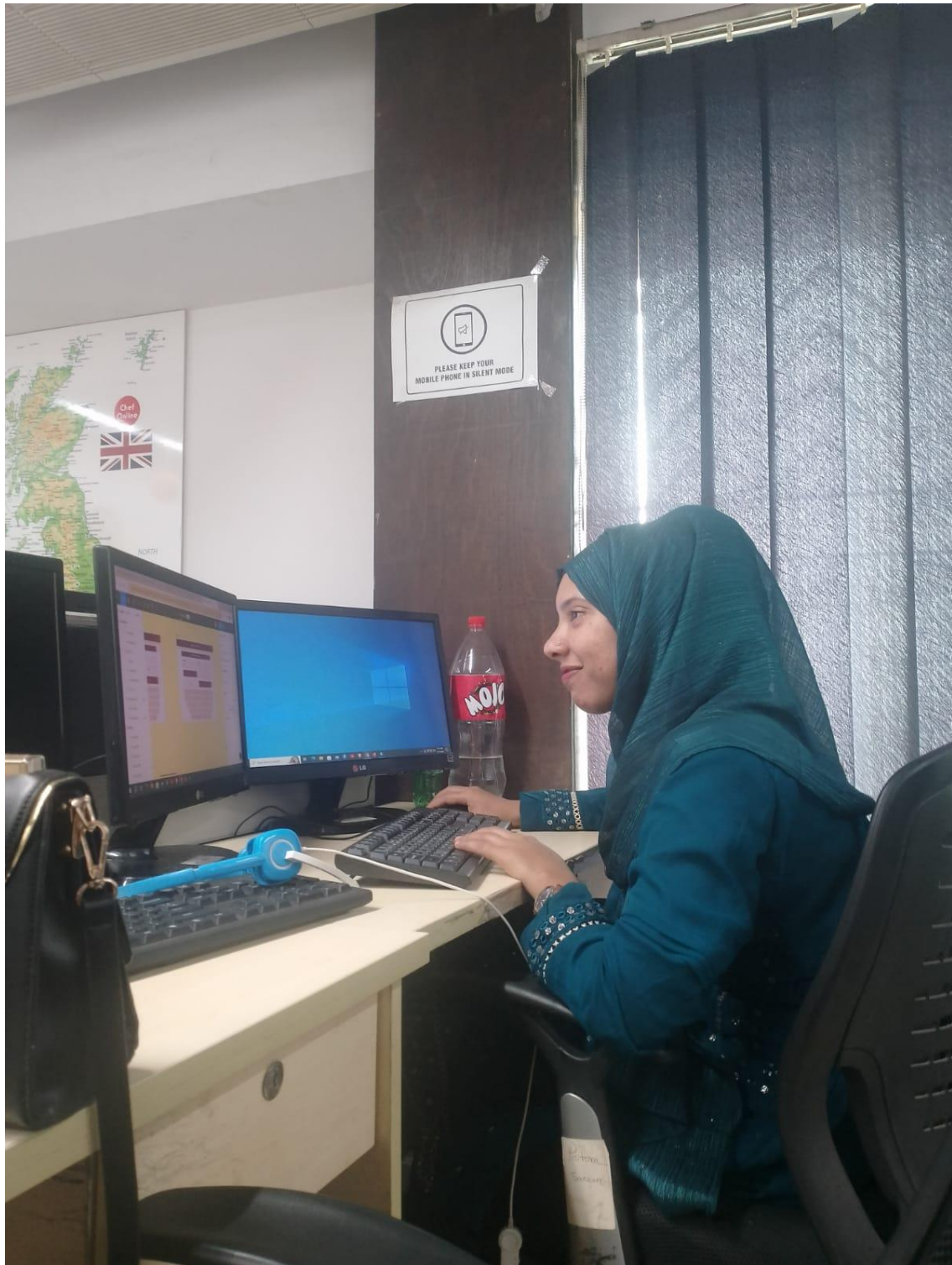


Figure 2.2: Working Time



Figure 2.3: Work Break



Figure 2.4: Iftar Party in Office



Figure 2.5: Workstation

2.2 Situation of Products and Markets

UI/UX Software That I Used

- Figma
- Adobe XD
- Adobe Photoshop

UI/UX Design Process: 10 steps that every professional follows!

- UX research
- Define & Ideation

- Information Architecture (IA)
- Wireframe
- Prototype
- Inspiration
- Design system
- Mockup
- User test
- Go live

This company is expanding at the fastest rate right now. Due of their continuous pandemic crisis and their online and offline services, they are an incredibly demanding corporation. Their clientele is more international than domestic.

2.3 Target Group

The people who are interested in technology and related products, services, and information are the target market for Amber IT Software Team. Their vision is far more expansive than ours. They hope to function on an international level. Consequently, they strive for global platforms such as Fiverr, Upwork, Freelancer, and so on. Additionally, they get along well with local clients.

CHAPTER 3

ACTIVITIES, ASSIGNMENT & PROJECTS

3.1 Operations and Daily Tasks

Week1

The first day gave me the idea of their next project Mpos. The term "MPOS" refers to the Electronic Point of Sale, a contemporary till system that integrates hardware and software to improve business operations. In order to enter sales data, manage inventory, and oversee customer loyalty programs, MPOS systems are frequently utilized in retail establishments like malls, supermarkets, and showrooms. Than I Start Working. I've learned enough after a week to be able to make an Epos First page. This picture is from the Mpos Dialpad Final Screen.

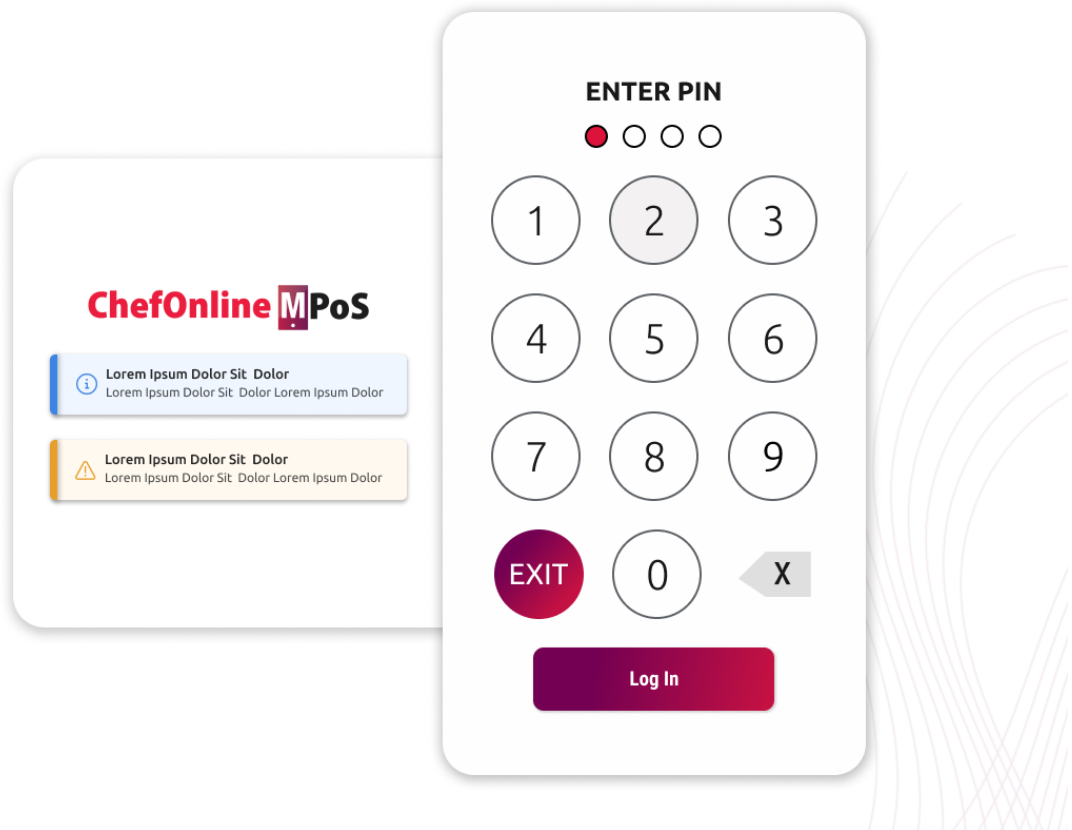


Figure 2.6: MPos Dialpad Final Screen

Week2

I began working on the dashboard's last screen during the second week. This is where I learn about making a takeout bar tab reservation. This is Dashboard Final Screen . I Design This Screen And They Final It.

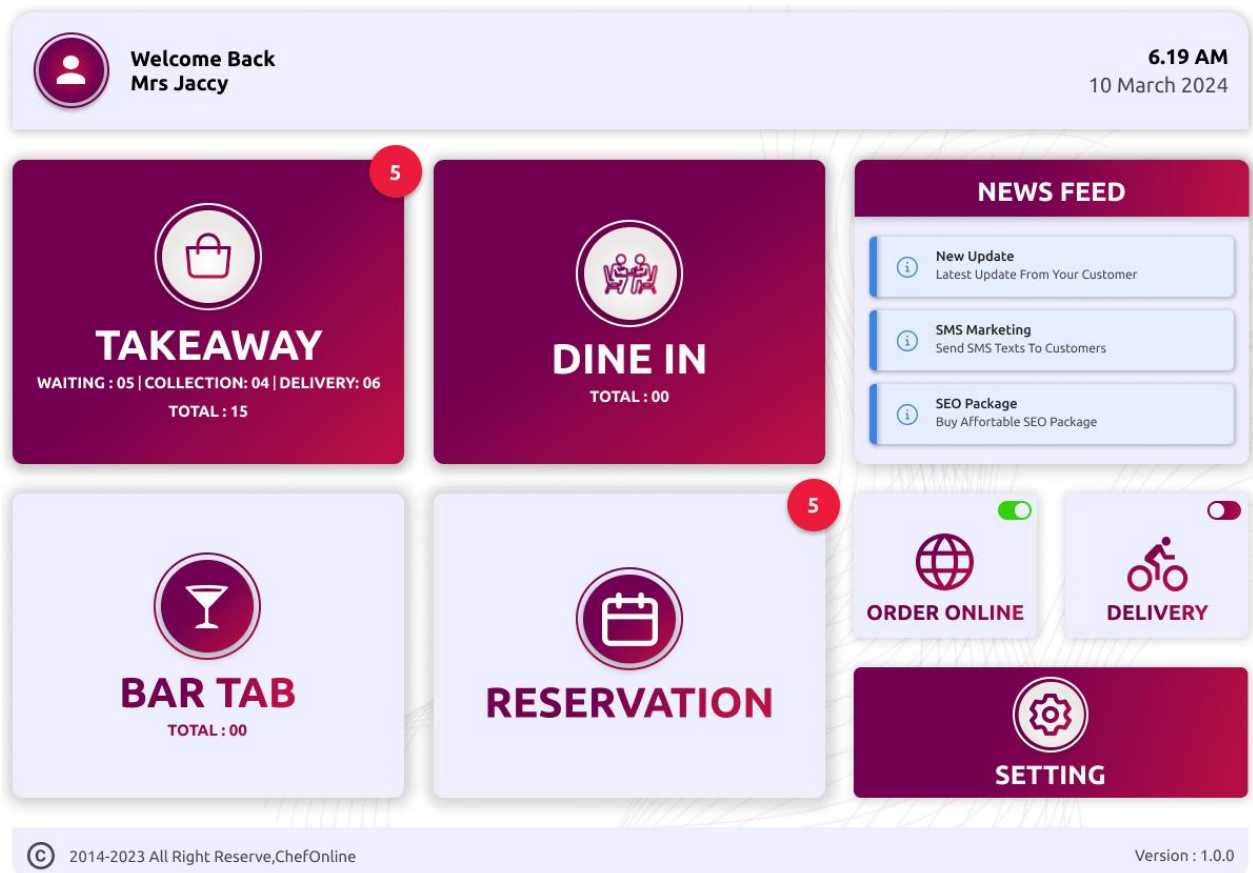


Figure 2.7: Dashboard Final Screen

Week3

Then I start working about menu page. Menu Page Design is Where Customer Order The Food. I have designed this page in such a way that customer can easily Order Food.

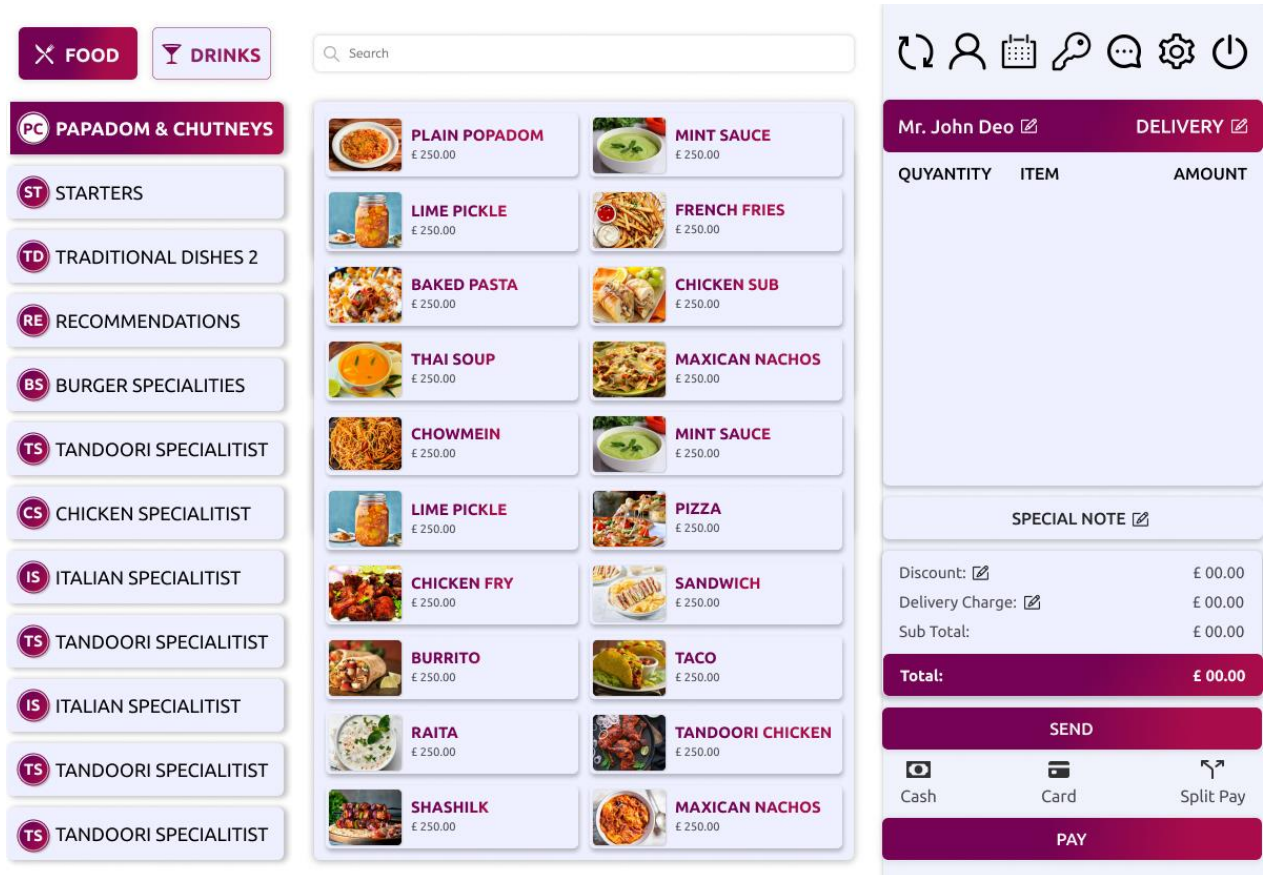


Figure 2.8: Menu Page

Week4

I follow chaldal For Adding Sub dish item in MPos. If you want to add something extra like sauce , spice with any food then you have to select Subdish. My team Leader Appreciate my Idea.

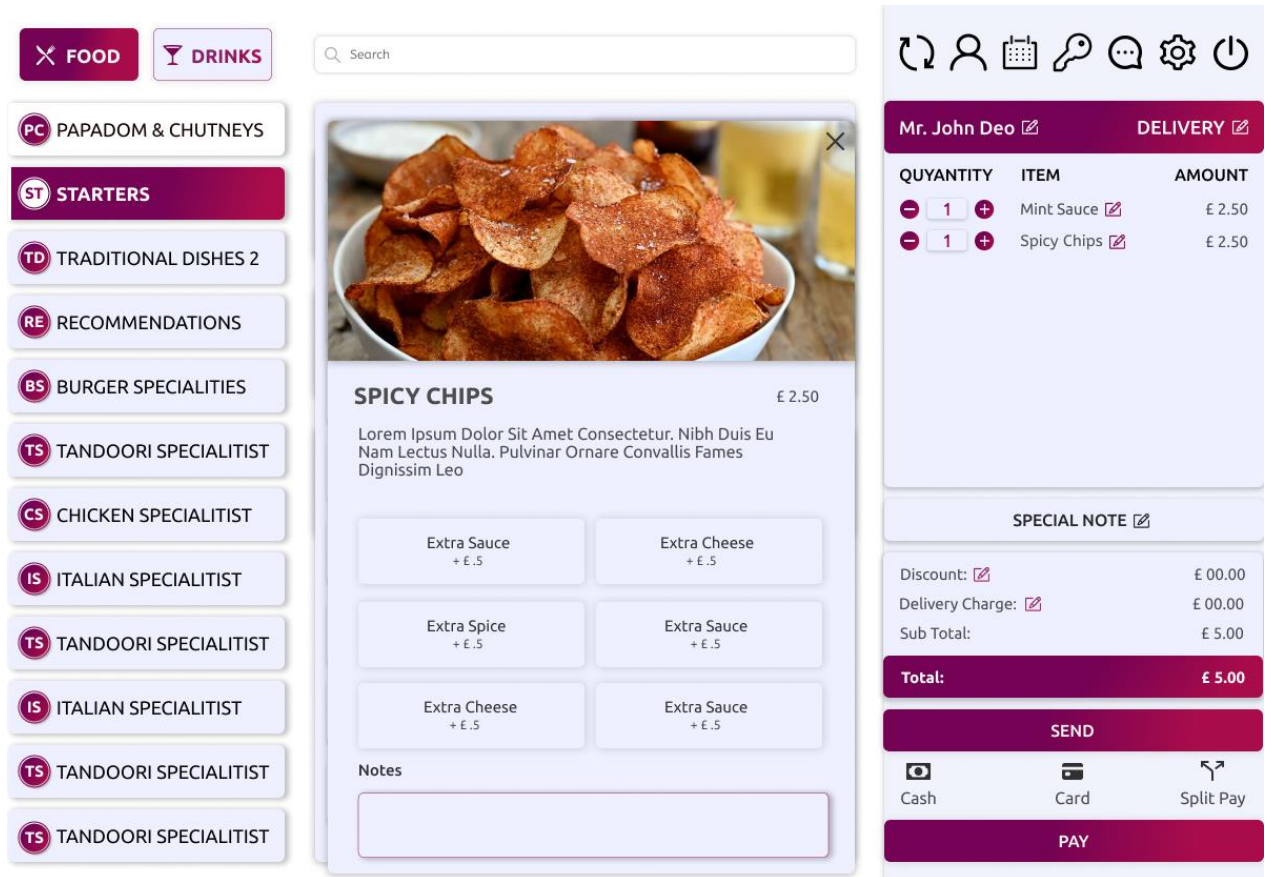


Figure 2.9: MPos Subdish

This is a result of Subdish Hober. If someone wants to add or delete subdish then they can. In this Project I Work Everything. I research every day. I gave a lot of time into this project.

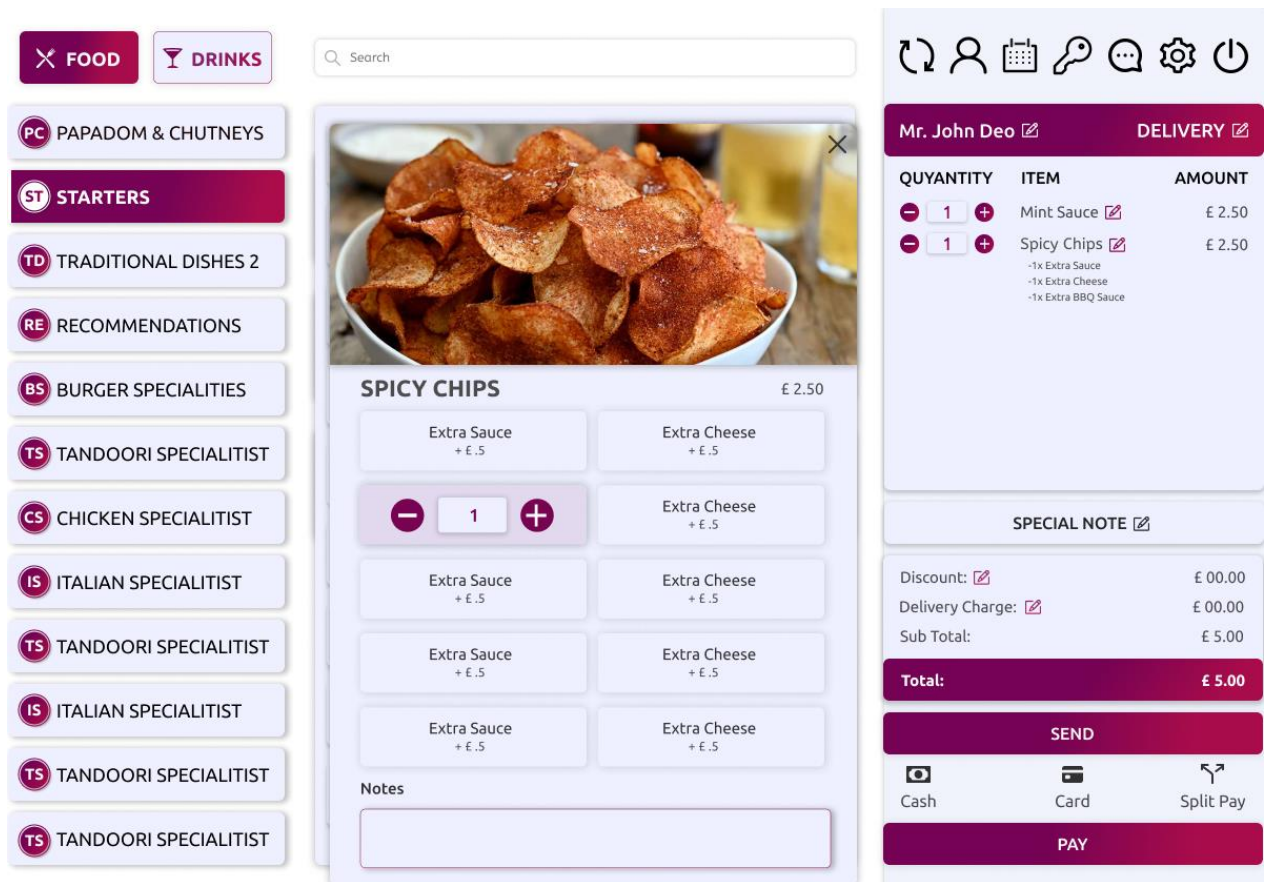


Figure 2.10: Subdish Hober

Week5

The Reservation Desk functionality simplifies the management of table reservations in restaurants through the POS system. The Reservation Desk allows you to make reservations for multiple restaurants in your chain, allowing you to take them all in the same POS. I Design it & Everyone Appreciate my Idea .

The image shows a software interface for managing restaurant reservations. It is divided into two main sections: a left sidebar for viewing existing reservations and a right main area for creating a new reservation.

Left Sidebar (RESERVATION):

- Header: **RESERVATION** with a calendar icon.
- Navigation: Date selector (Wed, Jan 19) and Meal type (Dinner).
- SEATED (18 guests):
 - 7:00 PM: CONOR WILLIAM (78542ASC) - 11
 - 7:45 PM: JAMES WILLIAM (8665ADC) - 14
 - 8:00 PM: WILLIAM JAMES (78542ASC) - 17
 - 7:45 PM: JAMES WILLIAM (8665ADC) - 14
 - 8:00 PM: WILLIAM JAMES (78542ASC) - 17
 - 8:00 PM: WILLIAM JAMES (78542ASC) - 17
- UPCOMING (12 guests):
 - 7:00 PM: CONOR WILLIAM (78542ASC) - 11
 - 7:45 PM: JAMES WILLIAM (8665ADC) - 14

Right Main Area (NEW RESRVATION):

- Header: **NEW RESRVATION** with a calendar icon.
- Search: Search Guest input field.
- Navigation: Icons for refresh, user, calendar, key, chat, settings, and power.
- Form Fields:
 - DATE: 19 FEBRUARY, 2023
 - TIME: 8.00 PM
 - CUSTOMER: 10
 - LAST NAME: JHONE
 - FIRST NAME: DEO
 - PHONE NUMBER: 5668-8995-8669
 - EMAIL ADDRESS: JHONE@GMAIL.COM
 - RESERVATION NOTE: RESERVATION NOTE
 - CUSTOMER NOTE: CUSTOMER NOTE
- Buttons: **ASIGN A TABLE** and **CREATE**.

Figure 3.1: Reservation Panel

Week7

Customizing the table functionality on the front-end app is possible with an MPOS system thanks to table layout. Users can allocate orders to tables and design a floor layout for their bar or restaurant.

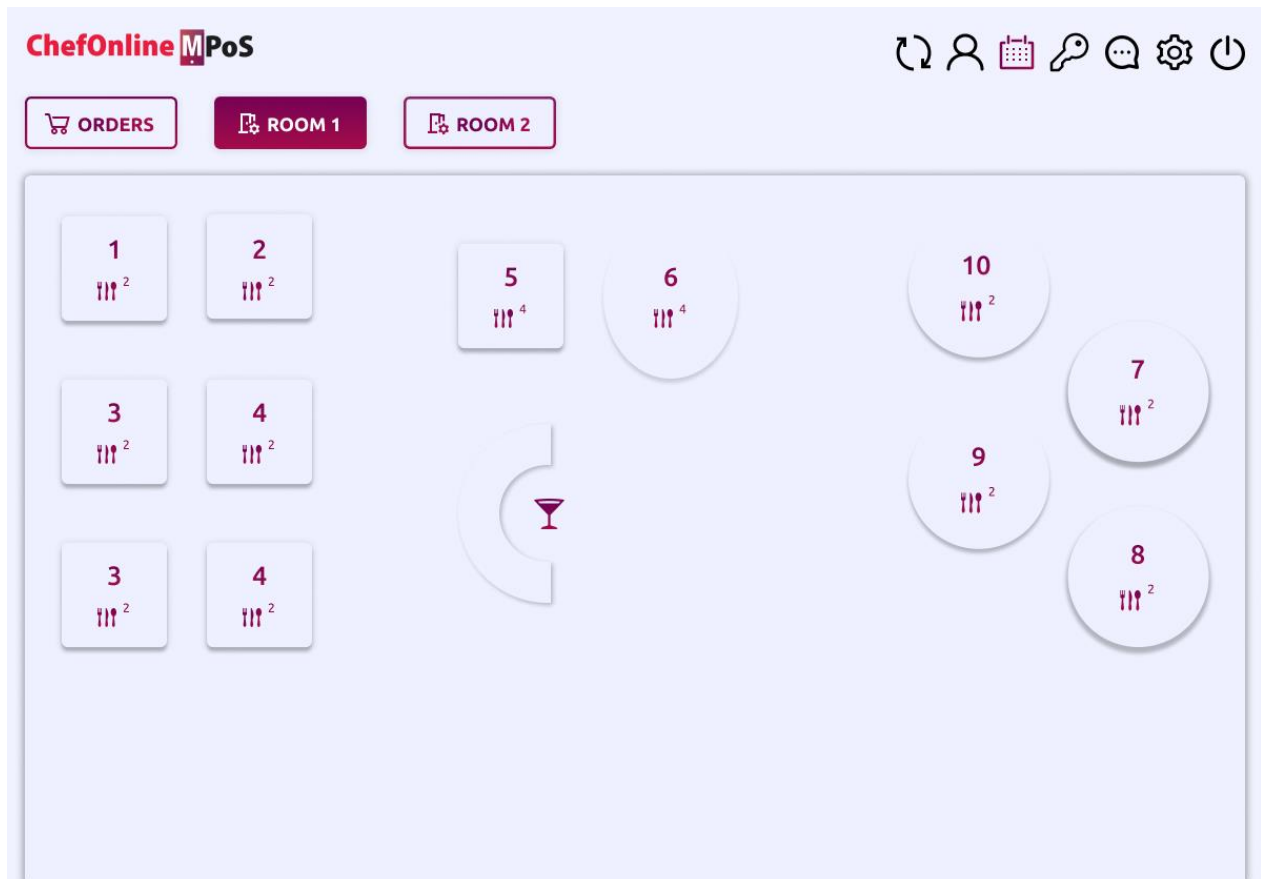


Figure 3.2: Table Layout

To input cash in the drawer by denomination in MPos, utilize the Cash Declaration screen.

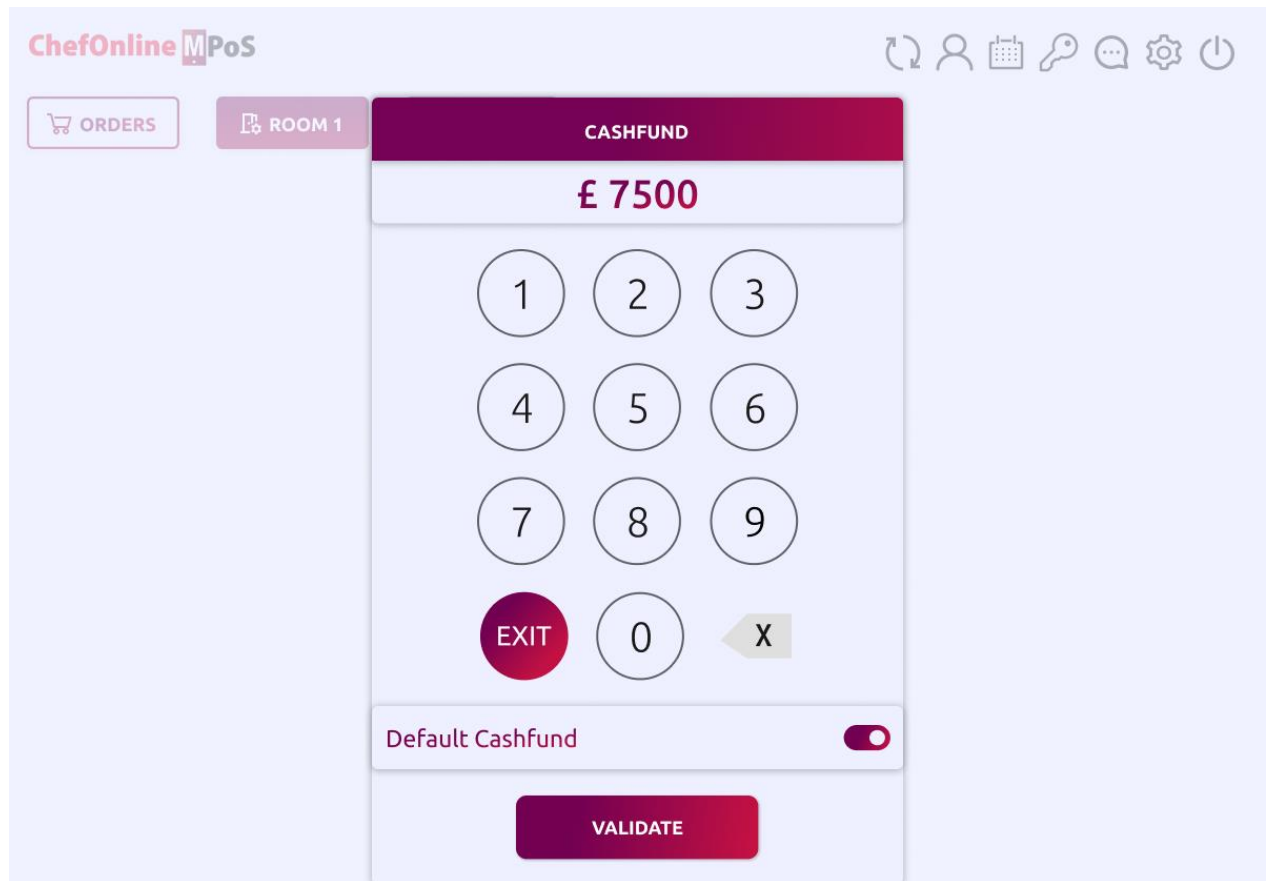


Figure 3.3: Cash Declaration

Week8

My design almost done, now I started working on the Backoffice.

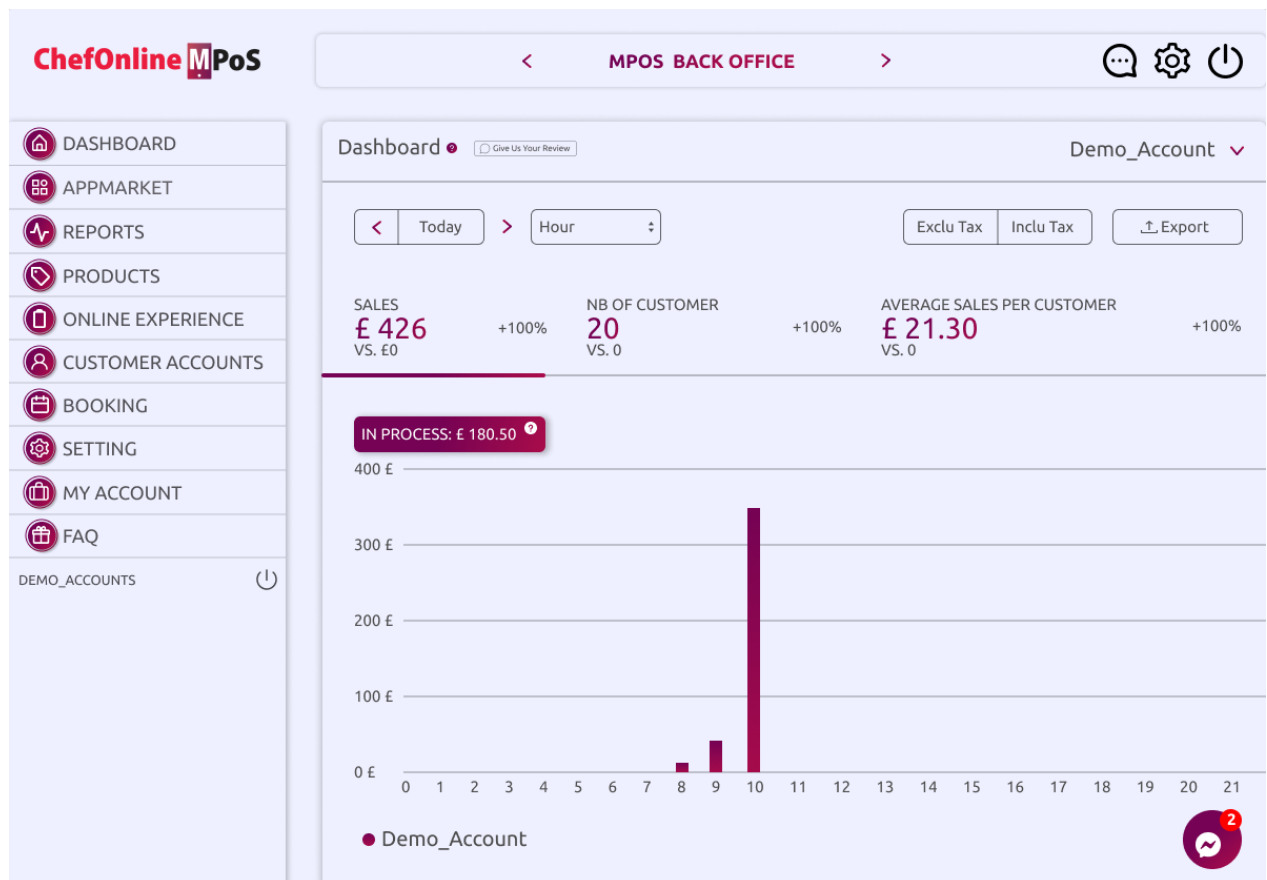


Figure 3.4: Backoffice:1

Week9

Here is the output of backoffice 2.

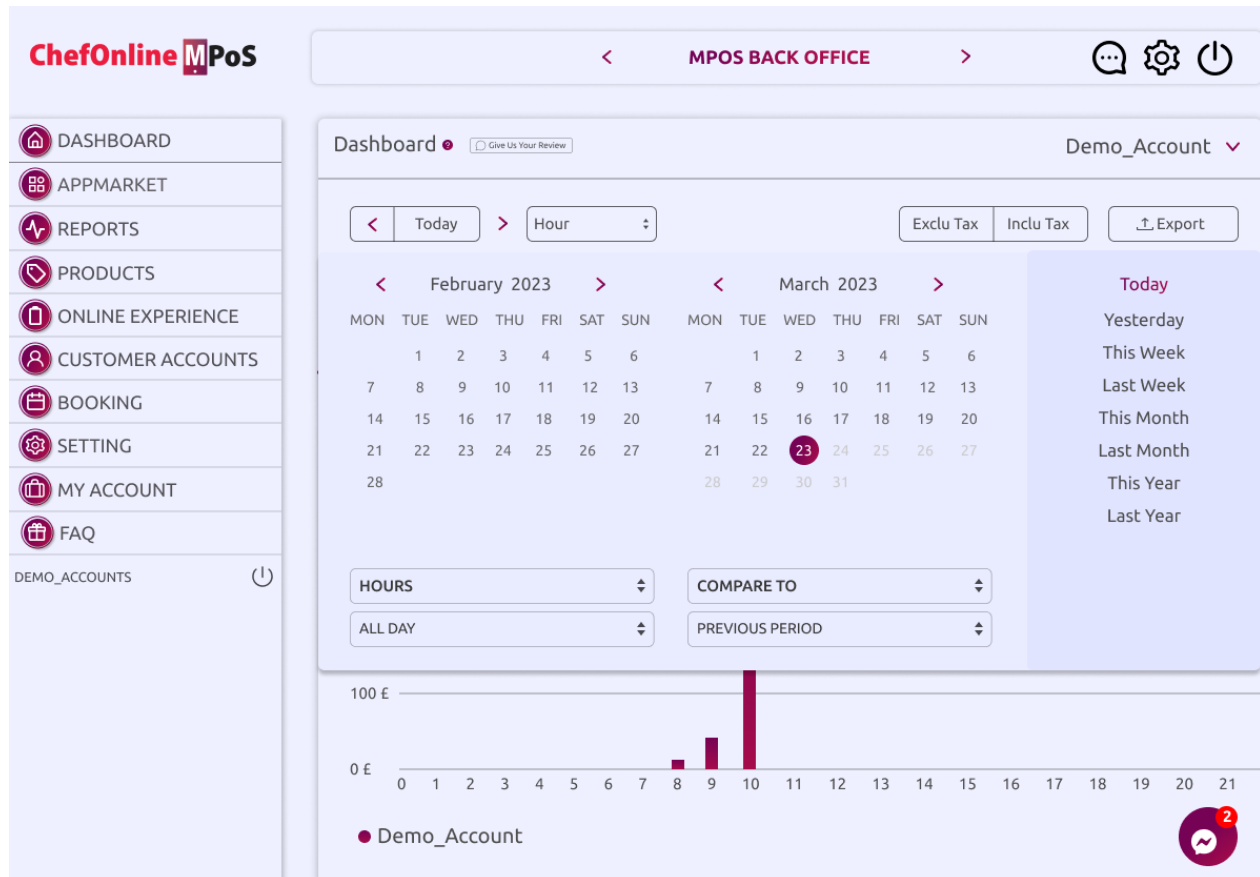


Figure 3.5: Backoffice:2

3.2: Front Page for Project Tasks and Activities

It serves as my Software Firm Website front page. which I'm trying to build for the customer. This is the image of the home page.

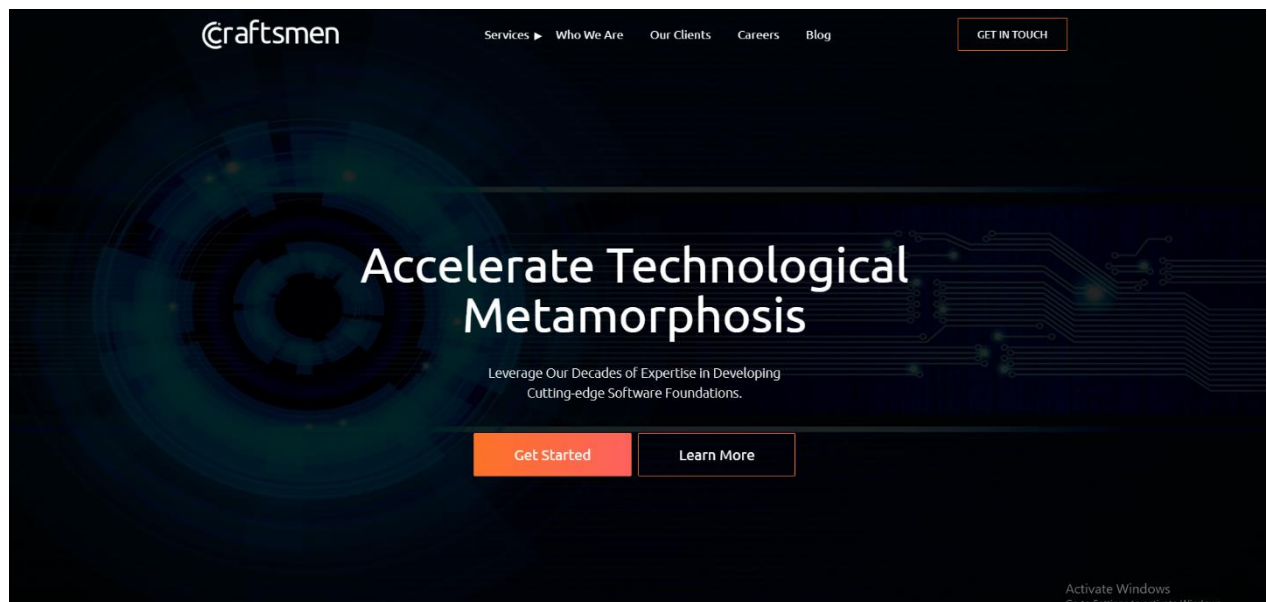


Figure 3.6: Front Page

Category

This image is from the mission page. Here I Design Everything. Like Mission page Illustration, concept everything.

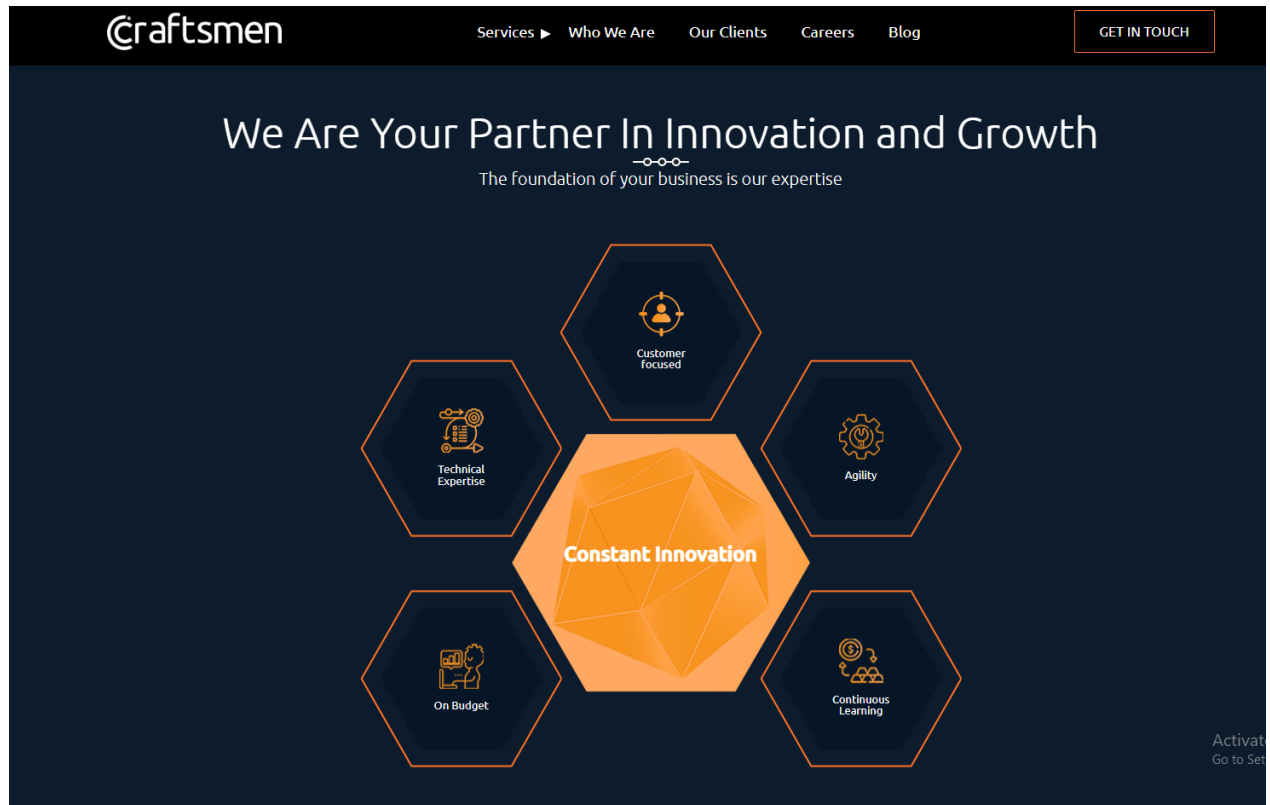


Figure 3.7: Mission Page

Map

Here I declare map section in my website.

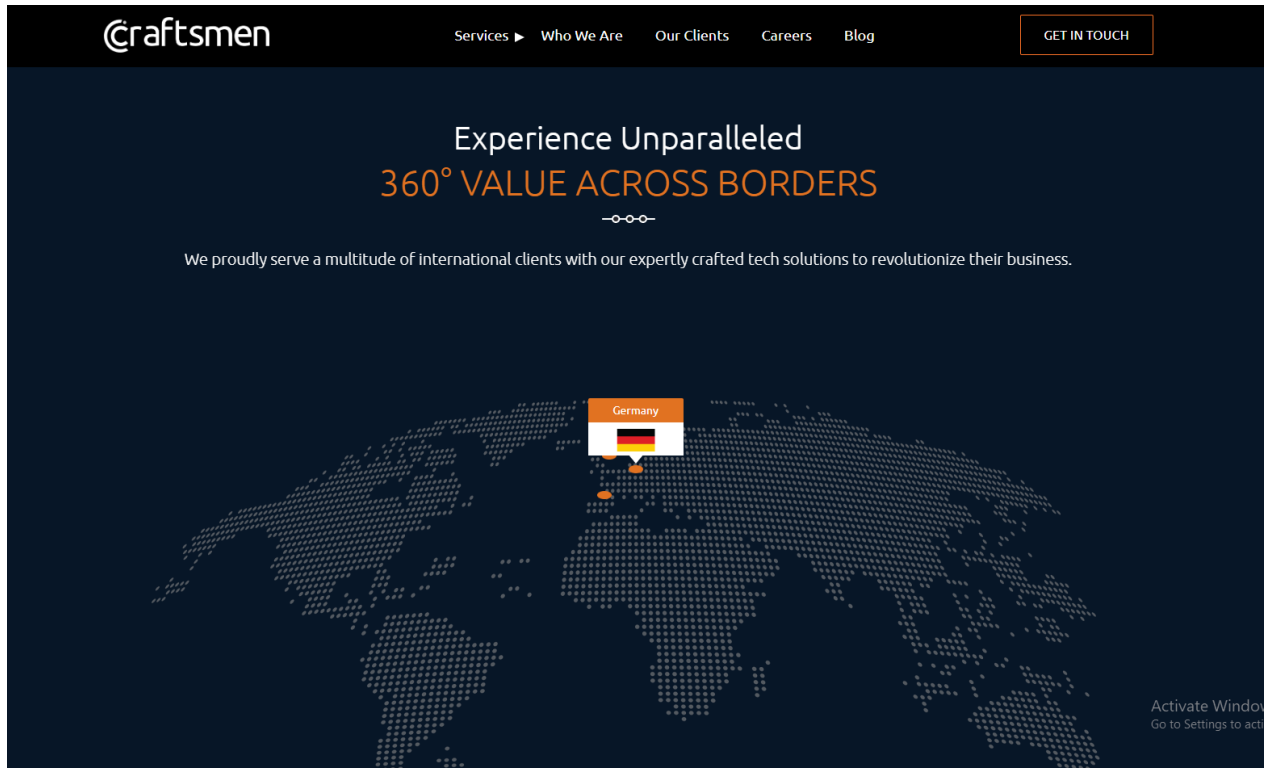


Figure 3.8: Map

Partner's

On this website, there are numerous brand product varieties. The brands available are these ones.

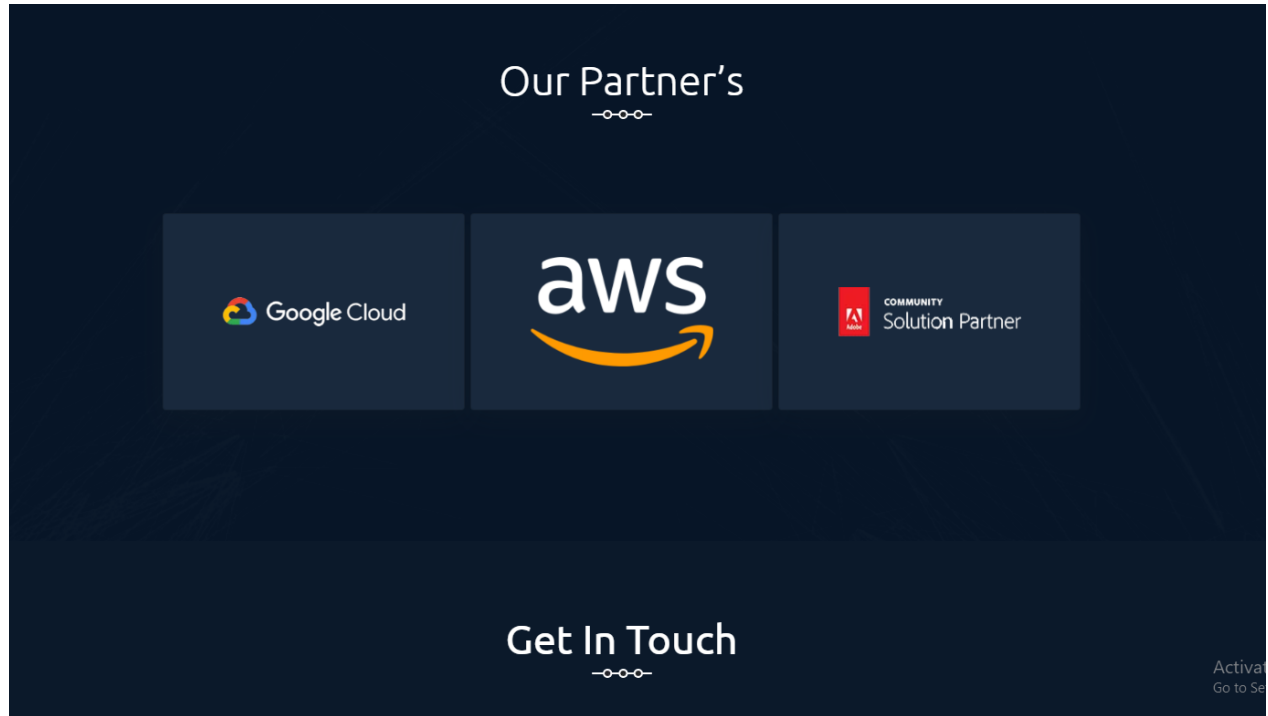


Figure 3.9: Partner's

Get In Touch

The screenshot shows a dark-themed website for 'Craftsmen'. The navigation bar at the top includes links for 'Services', 'Who We Are', 'Our Clients', 'Careers', 'Blog', and a highlighted 'GET IN TOUCH' button. The main heading 'Get In Touch' is centered, with a decorative line of three circles below it. On the left, a world map highlights locations in Sweden, Norway, United Kingdom, Germany, Spain, and Bangladesh, with lines connecting them to Bangladesh. Below the map, the text reads: 'The power of Technology IS NOW AT YOUR DISPOSAL'. Contact information is provided: Address (Plot # 272, Lane # 3 (Eastern Road), DOHS Baridhara, Dhaka 1206), Phone (+880 1730 3586 45), and Email (info@craftsmentld.com). On the right, a contact form titled 'Our Experts Are Ready To Help You' contains fields for First Name*, Last Name*, Email*, Company*, and a text area for 'How Can We Help You?*. A captcha prompt 'Please Enter the Captcha Text' is at the bottom. A Windows activation watermark is visible in the bottom right corner.

Figure 3.10: Get in touch

3.3 Challenges

Many obstacles confront UI/UX designers, such as:

- Designing consistently for various screen sizes and devices in the context of Android fragmentation
- Technical specifications: Handling complicated specifications
- Adapting to design trends and continuously changing technological landscapes

CHAPTER 4

SKILLS & A SMART PLAN

4.1 Attained Proficiency

I have gained a lot of Skill from this internship. Now I know how a UI/UX Designer Should Think About Project, Website.

Case Studies:

In UI/UX design, case studies are crucial because they enable designers to draw lessons from their experiences and implement those insights into new projects. Additionally, they can assist designers in showcasing their voice, tone, and brand to prospective customers and employers.

Wireframing for UI Designers:

Using wireframes early in the design process helps identify possible problems and make the required adjustments before devoting substantial resources to comprehensive design and development. Wireframes give designers and stakeholders a visual representation of the conceptual layout and structure of the digital product.

Develop Concept:

Understanding client needs, research, design, development, and testing are all steps in the process that UI/UX designers use to create concepts. The objective is to provide digital goods that satisfy customer demands and corporate objectives.

4.2 Smart Plan

After my internship ends, I have a lot of plans that are floating around in my head. While working as an intern, My intention was to master sophisticated versions of UI/UX to compensate for what I had missed. I'd like to establish my own website from which I could launch and expand my business to become the greatest in the nation.

4.3 Reflection

As a computer science and engineering student at my university, I was able to learn a great deal, and this experience has been priceless. My experience gives me the ability to battle on this stage. I'm studying, I've gained information, and I'll keep learning till I reach my goals. The most wonderful thing happened to me when my internship ended: they offered me a job as a UI/UX designer, which I accepted.

CHAPTER 5

FUTURE PROFESSION AND CONCLUSION

5.1 Conclusion and Discussion

Information acquisition, which is an essential part of being a student, is accomplished by drawing lessons from a variety of experiences. An essential part of it is an internship. We need to always be realistic and self-assured as IT students. The world is become increasingly reliant on web-based technology every day. Bangladesh follows closely behind. There are fresh opportunities every day. and because to the information I've received from both my internship and my schooling, I'll be able to take advantage of those opportunities.

5.2 Potential Career Path

I can now see all of the paths that could lead to a better job after finishing my UI/UX internship. Many companies are looking to hire UI/UX designers in order to grow in the future. When it comes to web development, anybody can make a big difference. I notice that a few doors have opened, so I'm applying to get inside. There are numerous events held in different parts of the world each year; if I succeed in one of them, I will have the chance to build a reliable career.

APPENDIX

Reflection on Internship

I studied the subjects discussed here, and I used to work with Amber IT Software Team. I developed the discipline that is so important during the duration of my internship. In the commercial world, I developed discipline. Due to my prior employment, I was able to keep up the bureau and the work hours. I also come across the extremely relevant field.

Details of Company Name:

Amber IT Software Team

Email:- amber.software@gmail.com

Navana Tower (21th Floor), Gulshan-1, Dhaka, Bangladesh

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