UX/UI Internship at Sparrowan LLC.

Submitted By

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Fall-2022

This Internship report has been submitted in fulfillment of the requirements for the
Degree of Bachelor of Science in Software Engineering.

APPROVAL

This Internship titled on "**UX/UI Internship at Sparrowan LLC.**", submitted by Nimara Karim (ID: 191-35-2668) to the **Department of Software Engineering, Daffodil International University** has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of Bachelor of Science in Software Engineering and approval as to its style and contents.
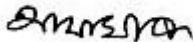
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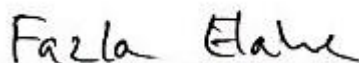
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DECLARATION

The Internship report entitled "**UX/UI Internship at Sparrowan LLC.**" is done under the supervision **Ms. Nusrat Tasnim, Lecturer**, Department of Software Engineering, Daffodil International University. I Clarify that the report I submitted for the B.Sc. in Software Engineering degree is entirely my original work and has not been submitted in any way for any other degree at this university or any other.

Submitted by

Nimara Karim

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Department of Software Engineering

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Certified by:

নুসরাত তাসনিম

Nusrat Tasnim

Lecturer

Department of Software Engineering

Faculty of Science and Information Technology

Daffodil International University

ACKNOWLEDGEMENT

For me, having an internship at such a reputable organization was a huge honor. My supervisor, Ms. Nusrat Tasnim, a Lecturer in the department of Software Engineering at Daffodil International University, made it all possible for me.

She is the one who inspires me to pursue this internship, and I am thankful to her for that. Additionally, she provided me with her unwavering support and direction for the entirety of my internship, which was really useful for me to successfully complete a brief internship.

Last but not least, I give Allah praise for all the positive outcomes.

EXECUTIVE SUMMARY

I choose this phase of my internship because I believe it will satisfy my strengths and have a beneficial impact on my future. I am incredibly appreciative to Sparrowan LLC. for providing me with this internship opportunity and assigning me to the "Real estate-ERP" project.

In Bangladesh and throughout the world Sparrowan LLC. has provided High quality IT services, assists Enterprises and Start-ups with digital transformation & product development. They are specialize in software development like, some system software (ERP,CRM,POS), Digital Marketing, UX/UI Solution for web and mobile applications. Additionally, they have increased the number of software developers and Engineers , UX/UI Engineers, marketers, and graphic designers. They want to use the most recent tools and technologies to build high-quality products, hence ensuring client pleasure through successful delivery. They also aspire to make the software development process faster, better, and collaborative anytime, anywhere.

Real estate-ERP(Enterprise Resources Planning) is a system software for a real-estate company and it's formed by a team that has several years of experience. It is the best configurable solution ever for the real-estate company.

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CHAPTER 1: INTRODUCTION

1.1 Background

An internship is a chance for students to put their knowledge and skills into practice while working in a team and with the guidance of senior members of the business to address real-world challenges.The student is given the chance to connect their education to the tough business environment. Additionally, get the skills and experiences from the organizations that aid in helping them develop their professional experience before graduation and to create a brighter future.

My university, Daffodil International University, offers students the wonderful option to complete an internship as part of our bachelor's degree, and from those students I am the one who got this chance. I joined Sparrowan without having any prior work experience and started as an intern on the "Real estate-ERP" project. The project is web- and mobile-based. So, this is a huge chance to gain practical knowledge of User experience and Interaction design (HCI) for online and mobile applications.The challenging and exciting prospects provided by this internship term will aid in my search for the century's best profession.

1.2 Motivation

I enrolled in this internship in order to advance my Software Engineering profession. I firmly feel that one of the most effective careers right now is this one. As an UX/UI designer, we design and various applications for clients. And which may help me seek new challenges and a creative workplace where I can apply my skills and knowledge. There are also opportunities to be a specialist in a single discipline like Lead UX Engineer or Lead Product Designer etc. Considering the above points, I joined this company as an intern.

1.3 Objectives

I prepared this report for my internship program for the degree Bachelor of Science in Software Engineering. Future pupils will scarcely benefit from this report in terms of the

workplace. They can get ready for their future careers by applying the knowledge I have acquired. The report also carefully considers my accomplishments, project work, and professional development during the course of the internship.

Additionally, individuals looking for a quick summary of the I-Host project may find this report useful.

The report is created to accomplish a number of objectives. Its objective is to :

1. Introduction of my company.
2. Services they provided.
3. Team members of my sector.
4. My responsibilities in the organization.
5. My accomplishments, focusing on non-academic successes.
6. Understand the issues the software industry is facing.
7. Finding a way to solve problems.
8. Know the rules and regulation of UX/UI projects.
9. How to deal with UX and UI projects.
10. Grow with the development cycle which based on research, and design
11. Understanding of software maintenance.

1.4 Scope

This report was created solely for educational purposes and to satisfy the industrial attachment requirement. This study contains information on a few of the primary and indirect problems facing the software business. This report is a reflection of my knowledge and experiences from my workplace. The "Real estate-ERP" project is described in full so that other students can decide whether or not it is appropriate for them after learning about the organization.

CHAPTER 2: COMPANY OVERVIEW

2.1 Overview

I joined Sparrowan as an intern. Basically, Sparrowan is an IT company who has been providing IT services, assisting Enterprises and Start-ups with digital transformation & product development. They specialize in software development like, System software (ERP,CRM,POS), Digital Marketing, UX/UI Solution for web and mobile applications. They offer their services throughout the world in addition to Bangladesh. To assure high-quality services, this organization was formed by individuals with extensive project management and software development experience. They execute their all projects with ongoing responsibility. They prioritize the requirements of the client and create strategies in accordance with their needs. Sparrowan constantly works to gain the confidence of it's clients and cultivate a strong bond with them.

2.2 List of Services

• Advanced UI/UX Design Solution.
• System Software Development.
• E-commerce
• Digital Marketing
• AR/VR Solution.
• Block Chain.
• Cloud Computing
• Mobile Application
• Web Application
• Block Chain
• E-Learning Solution

2.3 Market Situations

The job for UX/UI Engineers is growing rapidly compared to other professions. The rising popularity will fuel demand. The recently founded startup or the established one

today strives to construct different types of applications to promote themselves or solve their issues and work globally. And many more are attempting to create both mobile and web applications in order to market their services to their intended audience. As a result, more and more people desire to use the online and mobile services to expand their businesses. As a result, our organization continues to satisfy customers while providing these quality services and products.

2.4 Target Audience

An UX/UI Designer always tried to place new concepts through their creative ideas. Every new firm or startup wants to develop software or applications that satisfy their needs and enable their target market to access their products. Through the use of software, businesses or organizations can display their goods or services to customers, who can then purchase them or use them. The main target markets for our businesses are new startups, software for managing real estate projects, e-commerce websites, block chain companies etc.

2.5 Organization Strength

1. Sparrowan LLC. provided software solutions and services to more than 6 clients in the last 3 years.
2. The company has some expert Engineers and skilled developers.
3. Easy internal communications.
4. 24/7 online and offline support team.
5. Strong partnership with clients.
6. Repeated clients.
7. Marketing strategies with effective outcomes.

2.6 Contact

Company Name: Sparrowan LLC.
Website: https://sparrowan.com

Email: contact@sparrowan.com

Tel: +8801717282234

Address: House # 193, Road # 2, Avenue # 3, Mirpur, DOHS, Dhaka - 1216 Bangladesh.

CHAPTER 3: COMPANY CULTURE

3.1 My UX/UI Team Overview

In this internship period I have worked with the main development team of Real estate-ERP. I worked under a project manager. Basically When a project comes over to the company after finalization my project manager delivers it to the UX team with all the required instructions and resources and also if I have any queries then, I clarify it from my project manager. So, we basically we have two different teams, one is for user research(UX) another is for human centered designers(UI). So, in this project I worked partially with the UX and UI team. We have some targeted tasks which we have to complete under deadlines and each target we have to report it to the CTO and Project Manager. My team members are very helpful to each other. We always help each other to complete the task by motivating each other So that, our project got successfully done on time .

3.2 Working Environment

The working environment in the office is excellent. Office offers a gorgeous, well-organized desk together with all the essential equipment. We also have a indoor playing room, gym for entertainment purposes so that we never feel bored on working time. Everyone on the team appreciates working in this setting. They are more effective as a result. In general, it is really working environment.

3.3 Rules and Regulations

1. Enter office before 9:30 A.M.

2. After entering we must have change our shoes.

3. Wearing an ID card is a must.

4. All the important communications like meetings / leave applications must be established via working email.

5. Give updates to the CTO and Project Manager.

6. We have to follow the deadlines of projects.

7. Upload daily task update in company's drive.

8. In the work time they don't allow phones.

3.4 Facilities

1. Friday is our weekend.

2. 2 months probation period.

3. 2 Festival bonuses.

4. Yearly salary review.

5. Employee of the month.

6. No Overtime.

7. Gym and indoor game facilities.

8. Daily lunch and Unlimited coffee.

3.5 My Responsibilities

1. Understand the project from project manager.

2. Discuss and planning with the UX UI team.

3. follow the planned milestone for the project according to deadlines.

4. Going for card sorting.

5. Then go for Information architecture diagram.

6. Set some questions for user interview and do focused group discussion(FGD). 7. We modify our plan from the outcome of FGD.

8. We make user flow diagram.

9. Based on new modified project solution we again go through our targeted user for another FGD and if the outcome shows redesign of the project then we go for redesign otherwise we put the project as it is and move forward.

10. Do wareframing for visual representation of our concepts and finalize it from our Project manager and CTO.

11. After UX part we started doing the UI (including- Style guide, Design the interface of all required pages, prototype and mockup)

12. Finalize the total project from the project manager and CTO again.

13. After that we set with the developer team and show and explain it to them. if they feel any difficulties to convert any design into code then we give them support by changing a little bit in the design.

3.6 Professional Environment

There are significant contrasts between the climate in the workplace and the classroom, even though I completed this internship as part of my academic course. It's more complicated than I anticipated in this industrial setting. It is difficult to adjust the professional atmosphere in a day 14

so, for me it takes 1 month to understand the workflow and office cultures. I must say, if I never joined at Sparrowan then I never understand whats the professionalism is. I had learned a lot from my office, my team members and seniors in a professional way.

3.7 Office Culture

In a word, the corporate culture of Sparrowan LLC. is workaholic and friendly to all of the employers. They provide unlimited coffee and daily lunch and have arrangements for refreshment of the employee with indoor game setups and gym. Its really cheer up the employees and keep their mind fresh.

3.8 First day at office

Despite learning that my workday begins tomorrow, I have been anticipating what the day will include. Then, as the day went on and everyone arrived one by one to join our Sparrowan WhatsApp group and begin sending morning messages, a small amount of terror began to take hold inside of me.since I'm just getting started in this field. I was thus more worried about how people would view me. Afterward, I have been sat in front of

the computer since 10 AM wondering when everyone will arrive. Finally, our Hr , CTO , Project manager and the rest of my teammates came to the meeting. I was introduced to everyone present by Hr. I was overjoyed to encounter everyone's friendliness. Then I understood that I was extremely fortunate to be a part of the Sparrowan family and that there was nothing to be concerned or afraid about. The project manager then gave us a brief overview of the projects and identified who is responsible for which part and my daily responsibilities and workflows and the environment of office. After that, my official office day beguns as a UX/UI designer. As a first day they dont give me any pressure so that, I just do some basic work like set up my desktop with working environment softwares in one word I make the place comfortable for me. So I start with that and ended up the day with basic some research which related with my project and tried to make a connection with other teammates and seniors.

CHAPTER 4: MY CONTRIBUTED PROJECTS OVERVIEW

4.1 Real estate-Enterprise Resources Planning (ERP)

Details: Our CEO confirmed the deal in September of this project. Basically this project is a running project and our client is a Real estate company . They want ERP system software .We have to complete the project in under 6 months.

4.2 Multivendor E-commerce site

Details: Our CEO confirmed the deal in November of this project. Basically this project comes when the ERP is running so we divided our team for doing the project .They basically want a multivendor e-commerce site and a CRM for the same e-commerce. So it's a big and long time project and we got 7 months for that.
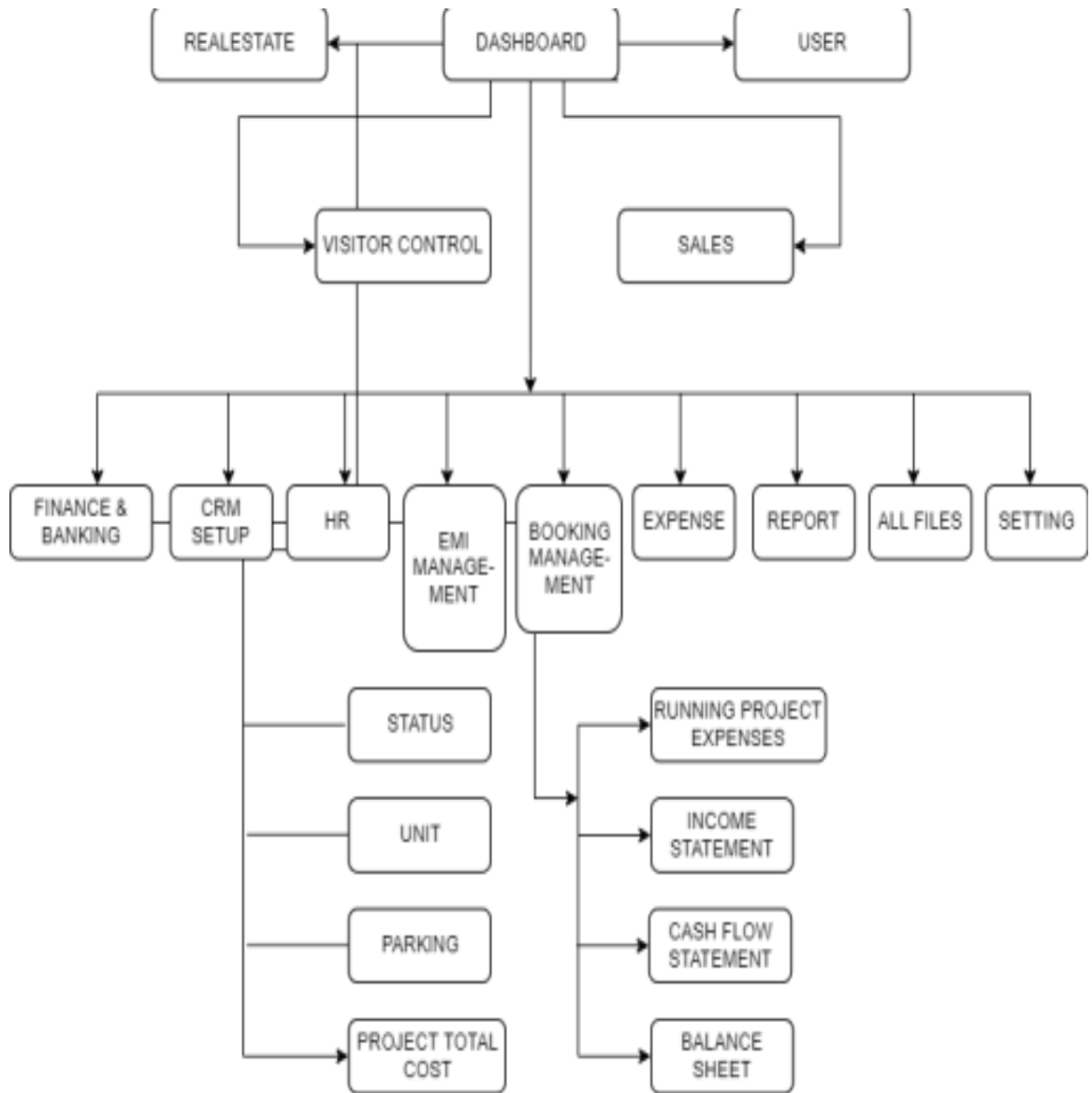
CHAPTER 5: USER FLOW DIAGRAM

Fig 5.1: User Journey Map
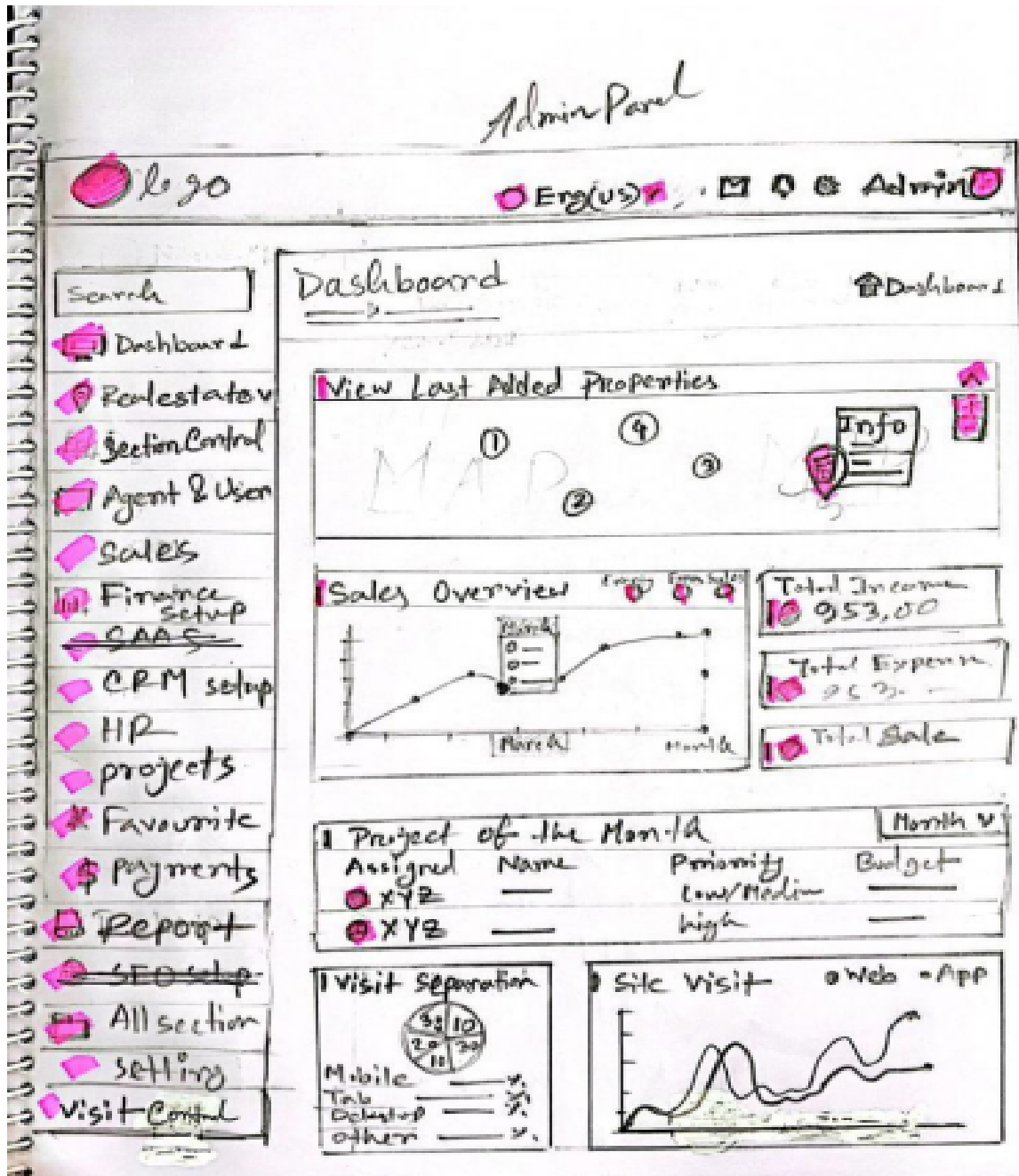
CHAPTER 6: WIREFRAMING

Fig 6.1: ERP Wireframing

CHAPTER 7: PROJECT EXERTION

7.1 Training Knowledge

After hand over the project to us our UX lead define the project to us. We all discuss about it in a meeting and set a plan as some milestone to move forward. After that Lead sir give another teammate who helped me to understand what we going to do in a next move.

7.2 Technical Findings

The UX part done by the UX lead sir. So, I started the project from the wireframing design which is also a part of UX .Very beginning I faced a problem to understand the project so, I had to correct/modify the wireframe design for several time.

7.3 Challenges

The challenges for me was to cooperate with the UX part. Because, I never do real life project research so, the solving processes, dealing with users, and asking them what they want, and make changes into interfaces and logic and again do it until the user and project manager satisfied was really a challenging part for me as a first timer. So, for dealing with it I studied the UX principles, How does design thinking work and the process of User research as well before stablish any logic and design.

7.4 Completion and Delivery

I was unable to fulfill the deadline for some jobs because of my limited research and user experience understanding, and those activities required more time to complete. Additionally, we need to add a few really complicated features for the project. And the first phase of delivery was delayed . But I did learn a lot throughout this extra time.

7.5 UI Design

7.5.1 ERP Design old version

7.5.2 ERP Design new version

7.5.3 ERP prototype

7.5.4 ERP Mockup for old version

7.5.5 ERP Mockup for new version

7.5.6 Multivendor E-Commerce Site

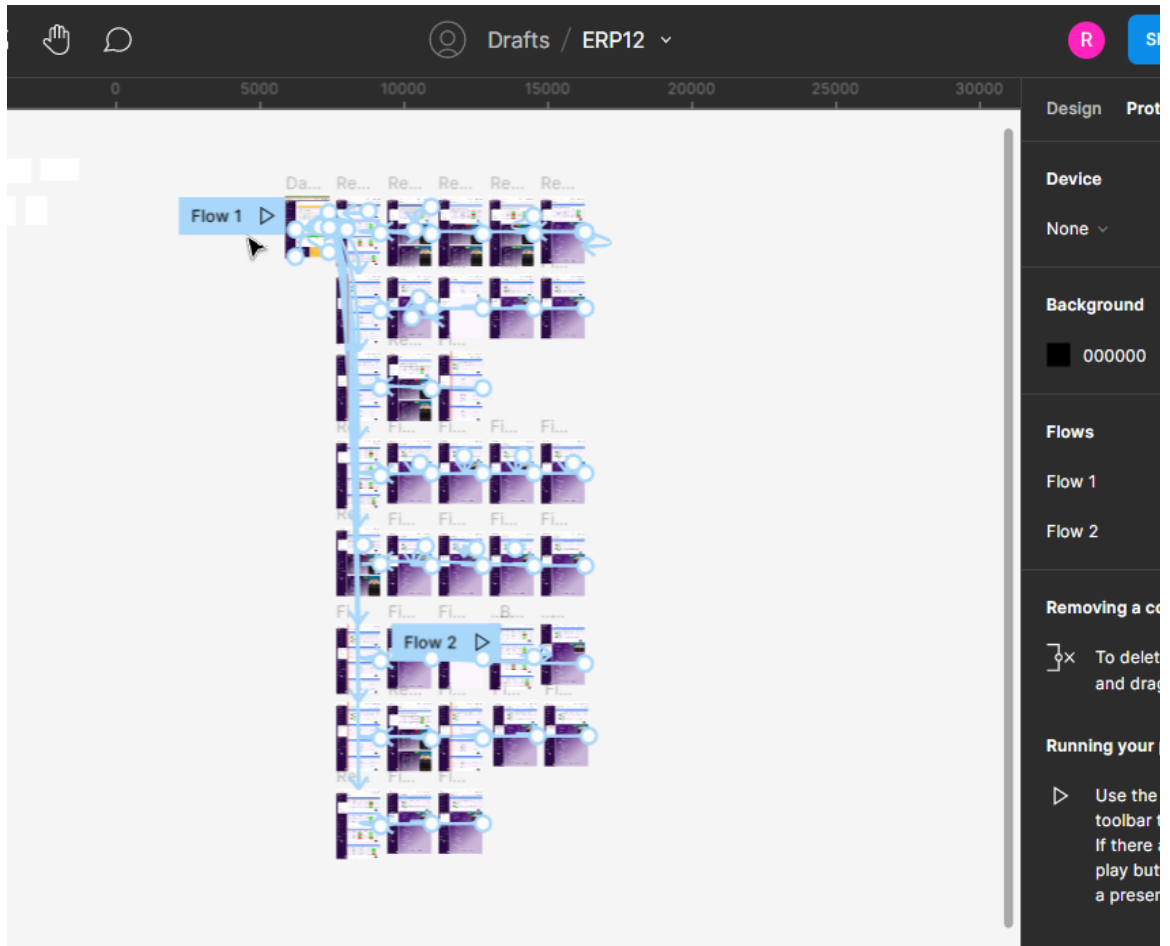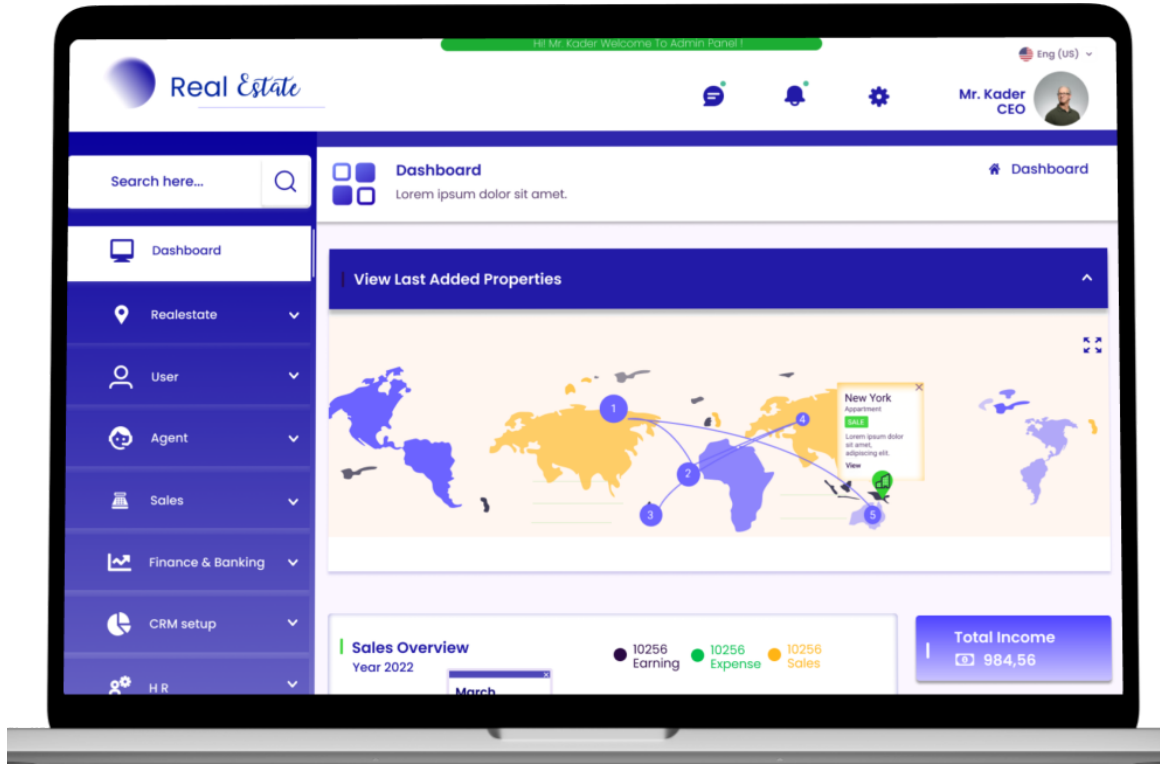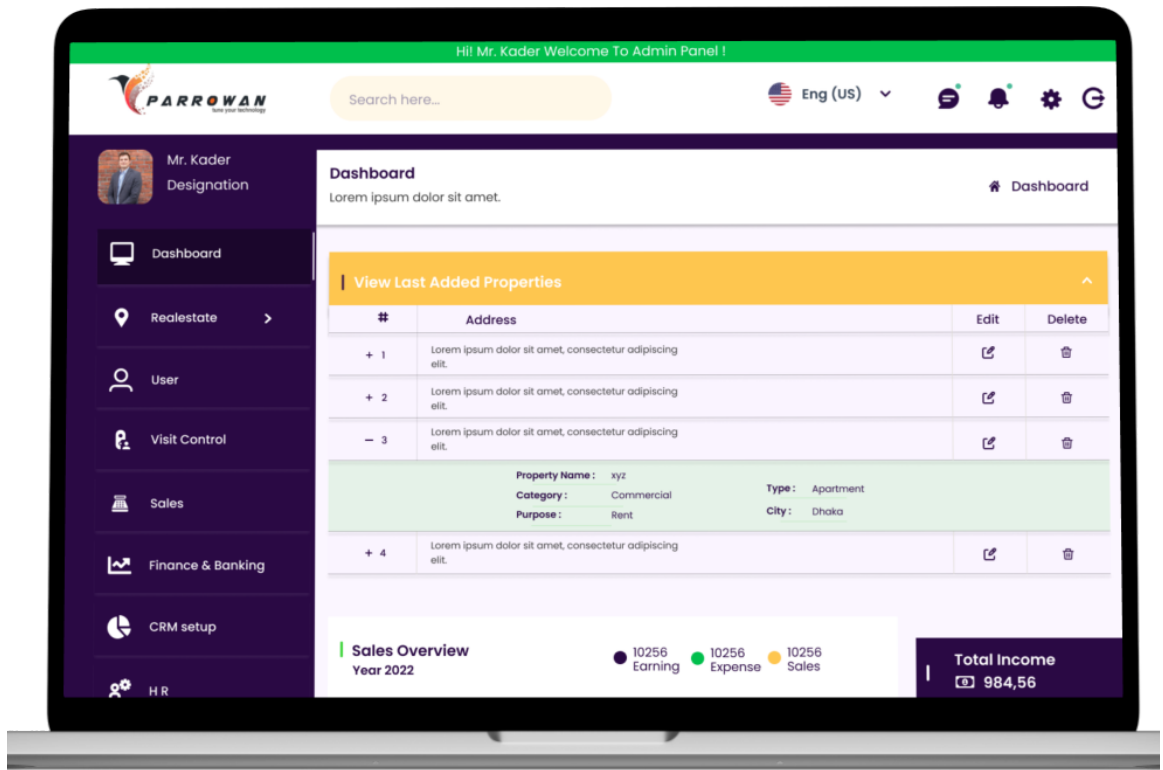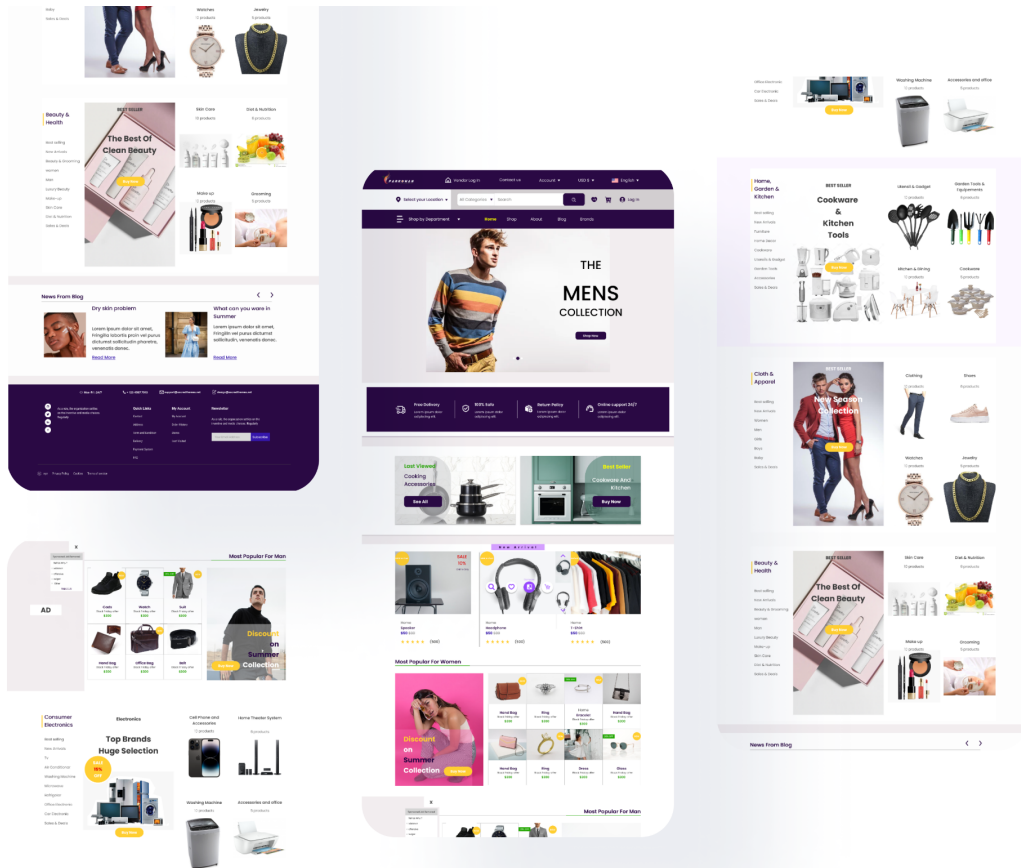# CHAPTER 8: EXPERIENCE AND ACHIEVEMENTS

8.1 Technical Enhancement

1.   Figma
2.   invision
3.   Lucid for wireframing

8.2 Non-Technical Enhancement

1.   Internal Communication network
2.   Teamwork
3.   Self Confidence
4.   Responsibilities
5.   Take Challenges

8.3 Achievements

The assignment I was assigned is extremely challenging, So, that was my best accomplishment for this internship . So I learnt a lot from this internship.

8.4 Future Scope

I gained much of knowledge from my internship. Many soft skills and other abilities, in addition to technology, will be useful to me in the future. The errors I commit this time and the lessons I acquire from them are invaluable. Now that I am aware of how to handle extreme situations, I can deal with any issues. how to interact with customers. How to fulfill deadlines, among other things. These experiences will be very helpful to me in the near future.

8.5 Limitations

I agreed to the terms of the contract and the confidentiality agreement before I started working for the organization. I am not allowed to share any confidential or sensitive information about the business or projects with anyone without first receiving

authorization, as stated in this agreement. As a result, I try to keep corporate policies and privacy in mind when discussing my project.

CHAPTER 9: CONCLUSIONS AND RECOMMENDATION

9.1 Conclusions

To sum up, my internship at Sparrowan LLC was such an incredible experience overall. Since the very first day of my internship, I have liked this trip. For me and my future profession, the skills and lessons I gained from this internship program with Sparrowan were really valuable. This internship program really helped me to advance in my understanding of my future. I have seen the general activity of an industrial project and surroundings throughout the program and have learned a lot about those. I have a fantastic opportunity to apply my academic understanding to a practical system.

9.2 Recommendation

I wasn't sure what I would learn when I first started working at Sparrowan LLC. But I'm well aware of the accomplishments and lessons I've learnt. My superiors and colleagues in Sparrowan provided me with unimaginable assistance. I want to use this opportunity to offer my sincere thanks to my colleagues for their help, advice, and time. I would also want to express my gratitude to our CEO and COO for providing me the chance to join the Sparrowan family.

CHAPTER 10: Plagiarism Result & Clearance

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UX/UI Internship at Sparrowan LLC. Submitted By Nimara Karim 191-35-2668 Department of Software Engineering Faculty of Science and Information Technology Daffodil International University Supervised By MS. NUSRAT TASNIM Lecturer Department of Software Engineering Faculty of Science and

Information Technology Daffodil International University Fall-2022 This Internship report has been submitted in fulfillment of the requirements for the Degree of Bachelor of Science in Software Engineering. © All right Reserved by Daffodil International University 1 APPROVAL This internship titled on "UX/UI Internship at Sparrowan LLC.", submitted by Nimara Karim, ID: 191-35-2668 to the Department of Software Engineering, Daffodil International University has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of Bachelor of Science in Software Engineering and approval as to it's style and contents. BOARD OF EXAMINERS _____ Head of the Department Dr. Imran Mahmud Associate Professor and Head Department of Software Engineering Daffodil International University _____ Internal Examiner 1 _____ Internal Examiner 2 _____ External Examiner DECLARATION The Internship report entitled "UX/UI Internship at Sparrowan LLC." is done under the supervision Ms. Nusrat Tasnim, Lecturer, Department of Software Engineering, Daffodil International University. I Clarify that the report I submitted for the B.Sc. in Software Engineering degree is entirely my original work and has not been submitted in any way for any other degree at this university or any other. Submitted by --- ------- Nimara Karim Id: 191-35-2668 Department of Software Engineering Faculty of Science and Information Technology Daffodil International University Certified by: --- Nimara Karim Lecturer Department of Software Engineering Faculty of Science and Information Technology Daffodil International University ACKNOWLEDGEMENT For me, having an internship at such a reputable organization was a huge honor. My supervisor, Ms. Nusrat Tasnim, a Lecturer in the department of Software Engineering at Daffodil International University, made it all possible for me. She is the one who inspires me to pursue this internship, and I am thankful to her for that. Additionally, she provided me with her unwavering support and direction for the entirety of my internship, which was really useful for me to successfully complete a brief internship. Last but not least, I give Allah praise for all the positive outcomes. EXECUTIVE SUMMARY I choose this phase of my internship because I believe it will satisfy my strengths and have a beneficial impact on my future. I am incredibly appreciative to Sparrowan LLC. for providing me with this internship opportunity and assigning me to the "Real estate-ERP" project. In Bangladesh and throughout the world Sparrowan LLC. has provided High quality IT services, assists Enterprises and Start-ups with digital transformation & product development. They are specialize in software development like, some system software (ERP,CRM,POS), Digital Marketing, UX/UI Solution for web and mobile applications. Additionally, they have increased the number of software developers and Engineers , UX/UI Engineers, marketers, and graphic designers. They want to use the most recent tools and technologies to build high-quality products, hence ensuring client pleasure through successful delivery. They also aspire to make the software development process faster, better, and collaborative anytime, anywhere. Real estate-ERP(Enterprise Resources Planning) is a system software for a real-estate company and it's formed by a team that has several years of experience. It is the best configurable solution ever for the real-estate company. Table of Contents Approval Declaration Acknowledgement Executive Summary Chapter 1. Introduction 1.1 Background 1.2 Motivation 1.3 Objective 1.4 Scope Chapter 2. Company Overview 2.1 Overview 2.2 List of services 2.3 Markert Situation 2.4 Target Audience 2.5Organization Strength 2.6 Contact Chapter 3. Company Culture 3.1 My UX/UI Team Overview 3.2 Working Environment 3.3 Rules and Regulations 6 2 3 4 5 9 9 9 10 11 11 11 12 12 12 13 13 13 3.4

Facilities 3.5 My Responsibilities 3.6 Professional Environment 3.7 Office Culture 3.8 First Day At Office Chapter 4. My Contributed Projects Overview 4.1 Real estate-Enterprise Resources Planning (ERP) 4.2 Multivendor E-Commerce site Chapter 5. User Flow Diagram Figure 5.1 User Journry Map Chapter 6. Wireframing Figure 6.1 ERP Wireframing Chapter 7. Project Exertion 7.1 Training Knowledge 7.2 Technical Finding 7.3 Challenges 7.4 Completion and delivery 7.5 UI Design 7.5.1 ERP Design Old Version 7.5.2 ERP Design new Version 7.5.2 ERP prototype 14 14 14 15 15 16 16 17 18 19 19 19 19 20 21 22 Chapter 8. Experience and Achivement 8.1 Technical Enhancement 8.2 Non-Technical Enhancement 8.3 Achievement 8.4 Future Scope 8.5 Limitations Chapter 9. Conclusion and Recommendation 9.1 Conclusion 9.2 Recommendation 23 23 23 23 23 24 24 CHAPTER 1: INTRODUCTION 1.1 Background An internship is a chance for students to put their knowledge and skills into practice while working in a team and with the guidance of senior members of the business to address real-world challenges.The student is given the chance to connect their education to the tough business environment. Additionally, get the skills and experiences from the organizations that aid in helping them develop their professional experience before to graduation and to create a brighter future. My university, Daffodil International University, offers students the wonderful option to complete an internship as part of our bachelor's degree, and from those students I am the one who was got this chance. I joined Sparrowan without having any prior work experience and started as an intern on the "Real estate-ERP" project. The project is web- and mobile-based. So, this is a huge chance to gain practical knowledge of User experience and Interaction design (HCI) for online and mobile applications.The challenging and exciting prospects provided by this internship term will aid in my search for the century's best profession. 1.2 Motivation I enrolled in this internship in order to advance my Software Engineering profession. I firmly feel that one of the most effective careers right now is this one. As an UX/UI designer, we design and various applications for clients. And which may help me seek new challenges and a creative workplace where I can apply my skills and knowledge. Here are also opportunities to be a specialist in a single discipline like Lead UX Engineer or Lead Product Designer etc. Considering the above points, I joined this company as an intern. 1.3 Objectives I prepared this report for my internship program of the degree Bachelor of Science in Software Engineering. Future pupils will scarcely benefit from this report in terms of the workplace. They can get ready for their future careers by applying the knowledge I have acquired. The report also carefully considers my accomplishments, project work, and professional development during the course of the internship. Additionally, individuals looking for a quick summary of the I-Host project may find this report useful. The report is created to accomplish a number of objectives. Its objective is to : 1. Introduction of my company. 2. Services they provided. 3. Team members of my sector. 4. My responsibilities in the organization. 5. My accomplishments, focusing on non-academic successes. 6. Understand the issues the software industry is facing. 7. Finding a way to solve problems. 8. Know the rules and regulation of UX/UI projects. 9. How to deal with UX and UI projects. 10. Grow with the development cycle which based on research, and design 11. Understanding of software maintenance. 1.4 Scope This report was created solely for educational purposes and to satisfy the industrial attachment requirement. This study contains information on a few of the primary and indirect problems facing the software business. This report is a reflection of my knowledge and experiences from my workplace. The "Real estate-ERP" project is described in full so that other students can decide whether or not it is appropriate for them after learning about the organization. CHAPTER 2: COMPANY OVERVIEW 2.1 Overview I joined Sparrowan as an intern. Basically

Sparrowan is an IT company who has been providing IT services, assists Enterprises and Start-ups with digital transformation & product development. They are specialize in software development like, System software (ERP,CRM,POS), Digital Marketing, UX/UI Solution for web and mobile applications. They offer their services throughout the world in addition to Bangladesh. To assure high-quality services, this organization was formed by individuals with extensive project management and software development experience. They execute their all projects with ongoing responsibility. They prioritize the requirements of the client and create strategies in accordance with their needs. Sparrowan constantly works to gain the confidence of it's clients and cultivate a strong bond with them. 2.2 List of Services • Advanced UI/UX Design Solution. • System Software Development. • E-commerce • Digital Marketing • AR/VR Solution. • Block Chain. • Cloud Computing • Mobile Application • Web Application • Block Chain • E-Learning Solution 2.3 Market Situations The job for UX/UI Engineers is growing rapidly compared to other professions. The rising popularity will fuel demand. The recently founded startup or the established one today strives to construct different types of applications to promote themselves or solve their issues and work globally. And many more are attempting to create both mobile and web applications in order to market their services to their intended audience. As a result, more and more people desire to use the online and mobile services to expand their businesses. As a result, our organization continues to satisfy customers while providing these quality services and products. 2.4 Target Audience An UX/UI Designer always tried to place new concepts through their creative ideas. Every new firm or startup wants to develop software or applications that satisfy their needs and enable their target market to access their products. Through the use of software, businesses or organizations can display their goods or services to customers, who can then purchase them or use them. The main target markets for our businesses are new startups, software for managing real estate projects, e-commerce websites, block chain company etc. 2.5 Organization Strength 1. Sparrowan LLC. provided software solutions and services to more than 6 clients in the last 3 years. 2. The company has some expert Engineers and skilled developers. 3. Easy internal communications. 4. 24/7 online and offline support team. 5. Strong partnership with clients. 6. Repeated clients. 7. Marketing strategies with effective outcomes. 2.6 Contact Company Name: Sparrowan LLC. Website: https://sparrowan.com Email: contact@sparrowan.com Tel: +8801717282234 Address: House # 193, Road # 2, Avenue # 3, Mirpur, DOHS, Dhaka - 1216 Bangladesh. CHAPTER 3: COMPANY CULTURE 3.1 My UX/UI Team Overview In this internship period I have worked with the main development team of Real estate-ERP. I worked under a project manager. Basically When a project comes over to the company after finalization my project manager delivers it to the UX team with all the required instructions and resources and also if I have any queries then, I clarify it from my project manager. So, we basically we have two different teams, one is for user research(UX) another is for human centered designers(UI). So, in this project I worked partially with the UX and UI team. We have some targeted tasks which we have to complete under deadlines and each target we have to report it to the CTO and Project Manager. My team members are very helpful to each other. We always help each other to complete the task by motivating each other So that, our project got successfully done on time . 3.2 Working Environment The working environment in the office is excellent. Office offers a gorgeous, well-organized desk together with all the essential equipment. We also have a indoor playing room, gym for entertainment purposes so that we never feel bored on working time. Everyone on the team appreciates working in this setting. They are more effective as a result. In general, it is really working environment. 3.3 Rules and Regulations 1. Enter office before

9 A.M.Enter office before 9:30 AM. 2. After entering we must have change our shoes. 3. Wearing an ID card is a must. 4. All the important communications like meetings / leave applications must be established via working email. 5. Give updates to the CTO and Project Manager. 6. We have to follow the deadlines of projects. 7. Upload daily task update in company's drive. 8. In the work time they don't allow phones. 3.4 Facilities 1. Friday is our weekend. 2. 2 months probation period. 3. 2 Festival bonuses. 4. Yearly salary review. 5. Employee of the month. 6. No Overtime. 7. Gym and indoor game facilities. 8. Daily lunch and Unlimited coffee. 3.5 My Responsibilities 1. Understand the project from project manager. 2. Discuss and planning with the UX UI team. 3. follow the planned milestone for the project according to deadlines. 4. Going for card sorting. 5. Then go for Information architecture diagram. 6. Set some questions for user interview and do focused group discussion(FGD). 7. We modify our plan from the outcome of FGD. 8. We make user flow diagram. 9. Based on new modified project solution we again go through our targeted user for another FGD and if the outcome shows redesign of the project then we go for redesign otherwise we put the project as it is and move forward. 10. Do wareframing for visual representation of our concepts and finalize it from our Project manager and CTO. 11. After UX part we started doing the UI (including- Style guide, Design the interface of all required pages, prototype and mockup) 12. Finalize the total project from the project manager and CTO again. 13. After that we set with the developer team and show and explain it to them. if they feel any difficulties to convert any design into code then we give them support by changing a little bit in the design. 3.6 Professional Environment There are significant contrasts between the climate in the workplace and the classroom, even though I completed this internship as part of my academic course. It's more complicated than I anticipated in this industrial setting. It is difficult to adjust the professional atmosphere in a day 14 so, for me it takes 1 month to understand the workflow and office cultures. I must say, if I never joined at Sparrowan then I never understand whats the professionalism is. I had learned a lot from my office, my team members and seniors in a professional way. 3.7 Office Culture In a word, the corporate culture of Sparrowan LLC. is workaholic and friendly to all of the employers. They provide unlimited coffee and daily lunch and have arrangements for refreshment of the employee with indoor game setups and gym. Its really cheer up the employees and keep their mind fresh. 3.8 First day at office Despite learning that my workday begins tomorrow, I have been anticipating what the day will include. Then, as the day went on and everyone arrived one by one to join our Sparrowan WhatsApp group and begin sending morning messages, a small amount of terror began to take hold inside of me.since I'm just getting started in this field. I was thus more worried about how people would view me. Afterward, I have been sat in front of the computer since 10 AM wondering when everyone will arrive. Finally, our Hr , CTO , Project manager and the rest of my teammates came to the meeting. I was introduced to everyone present by Hr. I was overjoyed to encounter everyone's friendliness. Then I understood that I was extremely fortunate to be a part of the Sparrowan family and that there was nothing to be concerned or afraid about. The project manager then gave us a brief overview of the projects and identified who is responsible for which part and my daily responsibilities and workflows and the environment of office. After that, my official office day beguns as a UX/UI designer. As a first day they dont give me any pressure so that, I just do some basic work like set up my desktop with working environment softwares in one word I make the place comfortable for me. So I start with that and ended up the day with basic some research which related with my project and tried to make a connection with other teammates and seniors. CHAPTER 4: MY CONTRIBUTED PROJECTS OVERVIEW 4.1 Real estate-

Enterprise Resources Planning (ERP) Details: Our CEO confirmed the deal in September of this project. Basically this project is a running project and our client is a Real estate company . They want ERP system software .We have to complete the project in under 6 months. 4.2 Multivendor E-commerce site Details: Our CEO confirmed the deal in November of this project. Basically this project comes when the ERP is running so we divided our team for doing the project .They basically want a multivendor e-commerce site and a CRM for the same e-commerce. so its a big and long time project and we got 7 months for that. CHAPTER 5: USER FLOW DIAGRAM Fig 5.1: User Journey Map CHAPTER 6: WIREFRAMING Fig 6.1: ERP Wireframing CHAPTER 7: PROJECT EXERTION 7.1 Training Knowledge After hand over the project to us our UX lead define the project to us. We all discuss about it in a meeting and set a plan as some milestone to move forward. After that Lead sir give another teammate who helped me to understand what we going to do in a next move. 7.2 Technical Findings The UX part done by the UX lead sir. So, I started the project from the wireframing design which is also a part of UX .Very beginning I faced a problem to understand the project so, I had to correct/modify the wireframe design for several time. 7.3 Challenges The challenges for me was to cooperate with the UX part. Because, I never do real life project research so, the solving processes, dealing with users, and asking them what they want, and make changes into interfaces and logic and again do it until the user and project manager satisfied was really a challenging part for me as a first timer. So, for dealing with it I studied the UX principles, How does design thinking work and the process of User research as well before stablish any logic and design. 7.4 Completion and Delivery I was unable to fulfill the deadline for some jobs because of my limited research and user experience understanding, and those activities required more time to complete. Additionally, we need to add a few really complicated features for the project. And the first phase of delivery was delayed . But I did learn a lot throughout this extra time. 7.5 UI Design 7.5.1 ERP Design old version 7.5.2 ERP Design new version 7.5.3 ERP prototype 7.5.4 ERP Mockup for old version 7.5.5 ERP Mockup for new version 7.5.6 Multivendor E-Commerce CHAPTER 8: EXPERIENCE AND ACHIEVEMENTS 8.1 Technical Enhancement 1. Figma 2. invision 3. Lucid for wireframing 8.2 Non-Technical Enhancement 4. Internal Communication network 5. Teamwork 6. Self Confidence 7. Responsibilities 8. Take Challenges 8.3 Achievements The assignment I was assigned is extremely challenging, which is my best accomplishment for this internship. So, I learned a lot from it. 8.4 Future Scope I gained much of knowledge from my internship. Many soft skills and other abilities, in addition to technology, will be useful to me in the future. The errors I commit this time and the lessons I acquire from them are invaluable. Now that I am aware of how to handle extreme situations, I can deal with any issues. how to interact with customers. How to fulfill deadlines, among other things These experiences will be very helpful to me in the near future. 8.5 Limitations I agreed to the terms of the contract and the confidentiality agreement before I started working for the organization. I am not allowed to share any confidential or sensitive information about the business or projects with anyone without first receiving authorization, as stated in this agreement. As a result, I try to keep corporate policies and privacy in mind when discussing my project. CHAPTER 9: CONCLUSIONS AND RECOMMENDATION 9.1 Conclusions To sum up, my internship at Sparrowan LLC was such an incredible experience overall. Since the very first day of my internship, I have liked this trip. For me and my future profession, the skills and lessons I gained from this internship program with Sparrowan were really valuable. This internship program really helped me to advance in my understanding of my future. I have seen the general activity of an industrial project and surroundings throughout the program and have learned a lot

about those. I have a fantastic opportunity to apply my academic
understanding to a practical system. 9.2 Recommendation I wasn't sure what
I would learn when I first started working at Sparrowan LLC. But I'm well
aware of the accomplishments and lessons I've learnt. My superiors and
colleagues in Sparrowan provided me with unimaginable assistance. I want to
use this opportunity to offer my sincere thanks to my colleagues for their
help, advice, and time. I would also want to express my gratitude to our CEO
and COO for providing me the chance to join the Sparrowan family. 2 3 4 5 7
8 9 10 11 12 13 15 16 17 18 19 20 21 22 23 24 25 26 27

CHAPTER 11: Accounts Clearance

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Exam Clearance

Final Exam

ID: 191-35-2668

Name: Nimara Karim

Program: B.Sc. in SWE

Semester: Fall 2022

Code	Course Title	Sec	Cr
EMP 101	Employability Skills 360A°	B (28th Batch)	3
SE 231	System Analysis & Design Capstone Project	C (34th Batch)	3
SE 431	Final Year Project/ Thesis/ Internship	B	6