

INDUSTRIAL TRAINING REPORT

WESTSTAR ENGINEERING SDN. BHD.
LEVEL 1, MENARA WESTSTAR, DATARAN WESTSTAR,
JLN LINGKARAN TENGAH 2, 68000 AMPANG JAYA,
SELANGOR

PREPARED BY
IZZATUL ADILAH BINTI AZIZ
2019705143

FACULTY SUPERVISOR
SIR FAIZAL HAINI BIN FADZIL

REPORT SUBMITTED IN FULFILLMENT OF THE
REQUIREMENT FOR THE INDUSTRIAL TRAINING
FACULTY OF INFORMATION MANAGEMENT
UNIVERSITI TEKNOLOGI MARA KELANTAN

01ST MARCH 2021– 30TH JULY 2021

DECLARATION

I hereby declare that this is my original work. I have not copied from any other student's work or from other sources. I am also declare that no part of this report has been published or submitted for publication except where due to reference or acknowledgement is made explicitly in text, nor has any part been written for me by another person. I confirm that I have read and understood the UiTM regulations with regards to plagiarism and will be penalized by the university if found guilty.

Signed by

Adilah

Izzatul Adilah Binti Aziz

2019705143

Date of submission: 10th August 2021

Abstract

I carried out my internship at Weststar Engineering Sdn. Bhd (WESB). Weststar Engineering Sdn Bhd (WESB) is one of Malaysia's leading Professional IT solutions & Managed IT Services Provider and it offers internship opportunities to the students in need of education about IT and System. The new Weststar Motors website is intended to be one of the organizational management modules developed by organizations particularly built for office and user access via computers and mobile devices. It will be used to record all information on Weststar Motors' vehicles. Furthermore, improvements must be made to existing website in order to be better and problems that cannot be solved by using the current website that make it difficult for trading businesses to achieve their objectives. The primary goal of this project is to design and develop an interactive new Weststar Motors website. The new Weststar Motors website is tightly aligned with other established Information Systems designed to improve operations and increasing customer satisfaction.

Keyword: internship, Weststar Motors, Weststar Engineering, new website, vehicles.

Acknowledgement

The most important thing is that I am grateful to Allah, Alhamdulillah, for allowing me to hold this assignment until it is completed. I would like to express my heartfelt gratitude to everyone who helped make a completion of this report.

A special thanks goes to my faculty supervisor, Sir Faizal Haini Bin Fadzil, who provided stimulating suggestions and encouragement, allowing me to successfully coordinate this task, particularly in writing this report. Furthermore, I would like to express my gratitude to my family for their moral and financial support during the report's preparation. Because of these commitments, I was able to complete this report on time. Thank you very much.

Finally, and most importantly, thanks to Mr. Khairul Aizad Bin Kamaruzaman, the industrial supervisor, who also assisted in terms of ideas, problem solving, and knowledge sharing throughout the process of completing this task. I can collaborate with Weststar Engineering Sdn. Bhd. staff to achieve the organization's goal.

Table of Content

DECLARATION	ii
ABSTRACT	iii
ACKNOWLEDGEMENT	iv
TABLE OF CONTENT	v
LIST OF FIGURES	vi
LIST OF TABLES	viii
LIST OF APPENDICES	ix
1.0 CHAPTER 1: INTRODUCTION	1
1.1 Background of the Organization.....	1
1.2 Organizational Structure.....	4
2.0 CHAPTER 2: ORGANIZATION INFORMATION	5
2.1 Department Structure.....	5
2.2 Department Function	7
3.0 CHAPTER 3: INDUSTRIAL TRAINING ACTIVITIES	8
3.1 Training Activities	8
3.2 Special Project	24
4.0 CHAPTER 4: CONCLUSION	56
4.1 Description of event/project/activity	56
4.2 Application of Knowledge, Skills and Experience in Undertaking the Task	56
4.3 Personal Thoughts and Opinion	58
4.4 Lesson Learnt	59
4.5 Limitations.....	60
4.6 Recommendations.....	60
REFERENCES	61
APPENDICES	63

List of Figures

Figure 1	Logo of The Weststar Group.....	2
Figure 2	Organization Chart of Weststar Engineering Sdn. Bhd.....	4
Figure 3	Weststar Engineering Sdn. Bhd. Organizational Structure.....	5
Figure 4	Microsoft Teams.....	8
Figure 5	Weststar Maxus Website.....	10
Figure 6	Maxus Website's Loader.....	11
Figure 7	Coding of Maxus Website's Loader.....	12
Figure 8	Slide of Adobe Dreamweaver.....	13
Figure 9	Slide of VMware VSphere.....	14
Figure 10	Slide of Flutter.....	15
Figure 11	Microsoft Azure Training.....	17
Figure 12	Microsoft Azure Example Questions.....	18
Figure 13	Example of Tender.....	19
Figure 14	Me and Staff Doing FiberHome Tender.....	20
Figure 15	Flight Information Display System (FIDS).....	21
Figure 16	Crew List and the Coding in FIDS.....	22
Figure 17	Client List and the Coding in FIDS.....	23
Figure 18	Gantt Chart Weststar Motors Project.....	34
Figure 19	Waterfall System Development.....	35
Figure 20	Context Diagram of Weststar Motors Website.....	39
Figure 21	Data Flow Diagram of Weststar Motors Website.....	40
Figure 22	Entity Relationship Diagram of Weststar Motors Website.....	42

Figure 23	Sign Up Page.....	45
Figure 24	Login Page.....	45
Figure 25	Homepage.....	46
Figure 26	New Arrival Cars.....	46
Figure 27	Inventory Page.....	47
Figure 28	Cars in (Admin View).....	47
Figure 29	Enquiries via Email Page.....	48
Figure 30	WordPress's Page for Homepage.....	50
Figure 31	WordPress's Page for Inventory.....	50
Figure 32	WordPress's Page for Single Car.....	51
Figure 33	WordPress's Listing for Cars Detail.....	51
Figure 34	Office Tag.....	59

List of Table

Table 1	Corporate Profile.....	3
Table 2	Hardware cost for development.....	32
Table 3	Software cost for development.....	33
Table 4	Admin.....	43
Table 5	Customer.....	43
Table 6	Email.....	43
Table 7	Vehicle.....	44
Table 8	Inventory.....	44
Table 9	System Specification.....	52

List of Appendices

Appendix 1	Resume.....	64
Appendix 2	Courses Completed.....	65

1.0 CHAPTER 1: INTRODUCTION

1.1 Background of the Organization

Tan Sri Syed Azman Syed Ibrahim, Group Managing Director of The Weststar Group, had a strong vision in 2003 when he established the foundation for an organization that would be successful not just in Malaysia, but also regionally and worldwide. After less than a decade, The Weststar Group is well on its way to accomplishing precisely that. The Weststar group is a complex business. While the automobile industry has always been the group's mainstay, The Weststar Group has also established other key companies.

Weststar Aviation Services, the group's aviation branch, is now the largest provider of offshore helicopter transportation services in South East Asia, with operations in five countries: Malaysia, Thailand, Indonesia, Morocco, and Mauritania. In addition to Weststar Aviation Services, the group's general aviation business, offers executive VIP charters and aerial work services.

At the other end of the spectrum, The Weststar Group Automotive and Defence divisions have a significant presence in local and regional automotive market segments. The Weststar Group Automotive and Defence divisions, which include Weststar Maxus, Weststar Auto, Global Komited, and SAFZ Auto, have amassed a large number of sales and are gaining pace in the regional automotive industry. When Weststar Maxus initially launched the Maxus commercial vehicle to the Malaysian market, its strong design, class-leading safety, dependability, and customizability immediately captivated the market.

Springing Weststar Maxus as the leader in commercial vehicle modification and fabrication, Weststar Maxus has extended Weststar Maxus' range of vehicles to other developing regional markets. Global Komited provides solid engineering, design, fabrication, and customisation skills to the group's automotive and defence manoeuvres.

Global Komited has formed relationships and won contracts with a number of Original Equipment and Vehicle manufacturers across the world in order to market, develop, and produce a diverse range of commercial and military vehicles and equipment. Because of this breadth of experience, Global Komited has become a leading provider of military as well as customized vehicles and equipment to a variety of companies. SAFZ Auto, a prominent seller of foreign marques, fills a void in the premium high-end vehicle market. Furthermore, SAFZ Auto has a solid reputation

among local auto enthusiasts for accommodating customized import automobile orders.

Weststar Auto, an exclusive authorized Honda dealer, is a frequent award winner known for providing exceptional end-to-end services. Weststar Auto provides the complete range of Honda cars at its brand new contemporary 3S facility, adding a measure of comprehensive auto services for its increasing client base.

Furthermore, The Weststar Group has increased its holdings in the real estate and property development sectors. Weststar Construction, which has PKK Class 'A' certification, is actively involved in construction and property development projects, and has recently ventured into developing high-end residential buildings.

Weststar Properties oversees all of The Weststar Group's assets and facilities, with all of the group's businesses situated under one roof at the newly new Weststar Tower in Ampang. Weststar Buildings guarantees that the Group's properties and facilities have the greatest degree of security, health, safety, and upkeep at all times. Last but not least, Weststar Insurance Limited covers The Weststar Group's in-house insurance policies against exposures and risks such as aircraft, motor, casualty, property and marine, and contractor's risk.



Figure 1: Logo of The Weststar Group

Table 1: Corporate Profile

Organization Name	The Weststar Group
Address	Level 1, Menara Weststar, Dataran Weststar, Jln Lingkaran Tengah 2, 68000 Ampang Jaya, Selangor
Telephone Number	03-4102 3289
Website Address	https://weststar.com.my/main/

1.1.1 Vision

To develop, grow and establish The Weststar Group branding in the Automotive, Aviation, Construction, Defence and Engineering industries in Malaysia and within the region, with a view to expand our operations globally as a multinational company.

1.1.2 Mission

The Group is committed towards driving excellence through cutting edge strategies, efficient and resourceful management and sharp anticipation of its customer's changing needs, keeping it always ahead of competition.

1.1.3 Values

- To form strategic alliances and partnerships with reputable and innovative companies that provides high quality products, innovative technology and reliable services.
- To value our customers, partners and stakeholders and excel in our business by honouring our commitments, providing results and continuing to strive for the best quality in a professional and safe manner.
- To treat our employees as assets and the key to our success. We shall play our role to help our people achieve their full potential and to provide them with a conducive work environment where integrity, honesty and mutual respect is valued and rewarded.

1.2 Organizational Structure

It is necessary to establish a strong organization to support the business and operations. Weststar Engineering Sdn. Bhd. (WESB) has a solid organization as well, because each of the people who hold positions in WESB has extensive expertise and a high status. Figure 1.2 below show the organization chart of Weststar Engineering Sdn. Bhd. (WESB).

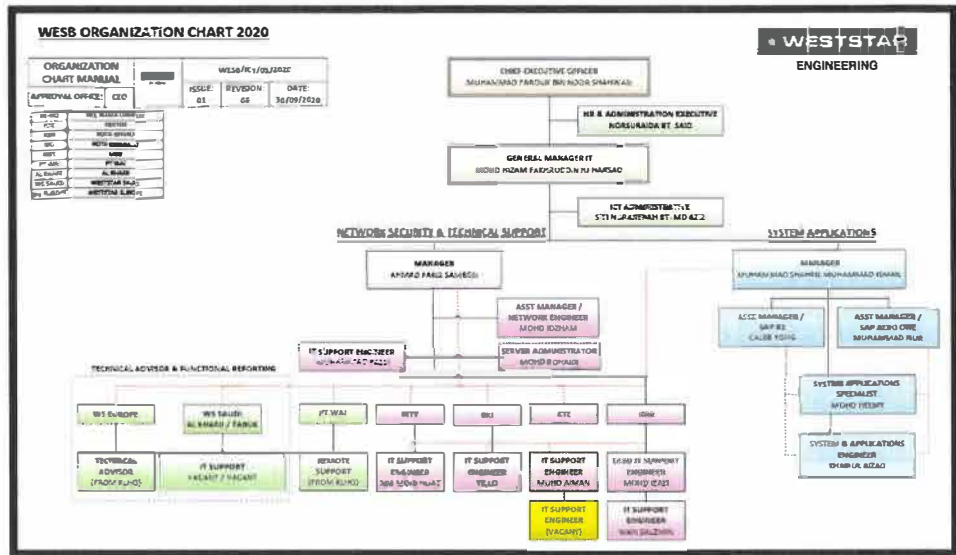


Figure 2: Organization Chart of Weststar Engineering Sdn. Bhd.

2.0 CHAPTER 2: ORGANIZATION INFORMATION

2.1 Department Structure

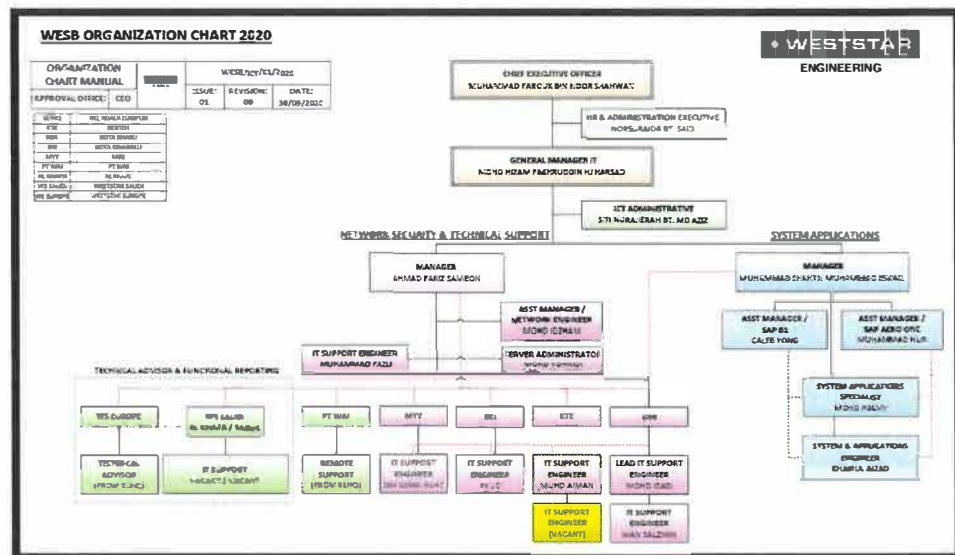


Figure 3: Weststar Engineering Sdn. Bhd. Organizational Structure

Weststar Engineering Sdn. Bhd. (WESB) is the company where the student would get industrial training. WESB is an ICT department of Weststar that oversees all technology, ICT services, and information system activities. Weststar Engineering Sdn Bhd (WESB) was founded in 2019 to ride the wave of digitalization in the world.

2.1.1 Vision and Mission

Vision

Weststar Engineering Sdn Bhd (WESB) stands strong with a vision that they hold and they always move ahead on making their vision a reality, managed by a team of experienced experts and young creative and inventive technopreneurs.

- To be the key player in pioneering a new technology in Malaysia and global
- To be a one stop centre for small to large scale technical and digital technology services
- To maintain high quality services and contents which rapid and faster response
- To build strong relationship with clients

Mission

The goal of Weststar Engineering Sdn Bhd (WESB) is to get the presence, goods, and solution acknowledged. To help the company achieve its vision and goals, they try to treat their clients as partners rather than customers. Their missions have already been established, and they are ready to go.

- To be a leading technical providers that are cost effective and cutting edge altogether
- To be a digital information technology solution provider
- To provide high class quality services to our clients
- To assist our clients to be more success based on our implementation
- To guarantee that even smallest job we do will give a big impact
- To create awareness of the importance of ICT in today's lifestyle

2.1.2 Objectives

They strive to find efficient solutions to meet their business needs. Their extensive offering is comprised of a variety of services and solutions:

- **Telecommunication Services**
They offer supply, design, installation, testing and maintenance of network equipment, mobile software and hardware solutions.
- **Information Technology Solution**
Their services include providing platform, operating and managing software.
- **Technical Support**
They provide a nationwide support system with their HQ located in Menara Weststar and support base in Kota Bharu, Kertih, Miri and Kota Kinabalu.

2.2 Department Function

Their experience in technology lifecycle management and best practices fulfillment approach are fundamental capabilities that create value over time, assisting their clients in lowering their total cost of IT ownership. Their comprehensive portfolio has established from their range of services and solutions:-

- Network & Infra Solutions
Teclo IOT internet, RAN solutions.4G, 5G, Narrowband-IoT, LAN, WAN, network security
- ICT Solutions
Banking solution system, system application, mobile apps
- Technical Support
Incident Management, Remote and Onsite Support & Maintenance, Client Delivery Management

3.0 CHAPTER 3: INDUSTRIAL TRAINING ACTIVITIES

3.1 Training Activities

3.1.1 Installing Microsoft Teams

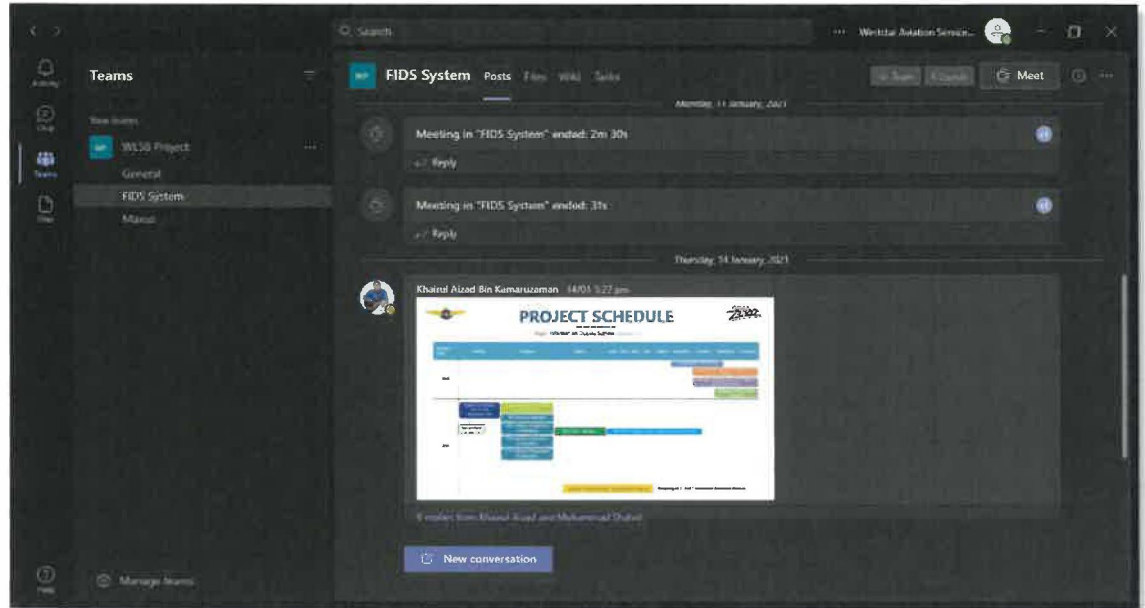


Figure 4: Microsoft Teams

My first task at Weststar Engineering Sdn. Bhd. is to set up Microsoft Teams as a communication channel with my supervisor, Mr. Aizad, and other team members. Mr Aizad informed us about Microsoft Teams prior for installation.

Microsoft Teams is a proprietary business communication tool created by Microsoft as part of the Microsoft 365 product line. Teams compete largely with Slack, a comparable service that provides workplace chat and videoconferencing, file storage, and application integration. Teams will take the place of existing Microsoft-managed business communications and collaboration services, such as Skype for Business and Microsoft Classroom. As many meetings shifted to a virtual environment during the COVID-19 epidemic, Teams and other technologies like Zoom and Google Meet garnered a lot of attention.

Microsoft Teams distinguishes itself from other collaboration software by offering the following features:

- Teams and channels
Teams are made up of channels, which are message boards for colleagues to communicate with one another.
- A chat function
The basic chat tool is present in most collaboration apps and may be used by teams, groups, and individuals.
- Document storage in SharePoint
Every Microsoft Teams' team will have a site in SharePoint Online with a default document library folder. All files shared across all chats will be saved to this folder automatically. Permissions and security choices for sensitive data can also be adjusted.
- Online meetings
With an online meetings option that can host up to 10,000 participants, this tool may assist improve company communications, company-wide meetings, and even training. Online meetings may be attended by anybody, both inside and outside of a company. This feature also includes a scheduling tool, a note-taking software, file uploading, and chat messaging in-meeting.

The Weststar Group's whole team utilizes Microsoft Teams as their corporate communication tool. Mr. Aizad initially asked for my email address, and then he invited me to the WESB Group via Gmail. When I clicked on the link, it will take me to the WESB Group in Microsoft Teams.

There are two folders in that group which are FIDS System and Maxus. Each folder is labelled with the name from one of Weststar Engineering Sdn. Bhd. projects'. In that folders, there are containing a lot of coding files and I needed to download all of that files to check the progress of each projects.

3.1.2 Weststar Maxus Website Project



Figure 5: Weststar Maxus Website

When I started my internship at Weststar Engineering Sdn. Bhd., my supervisor, Mr. Aizad, assigned me and another intern to develop a website for our client, Weststar Maxus. However, when I received the task, my supervisor stated that they were already in the process of developing the website, thus the website template and code files were already in Microsoft Teams, and I only needed to download all of the files to test it at local host.

About Weststar Maxus is a long-term collaboration between both market giants that has benefited both the Weststar and Maxus brands, as well as all of our clients. Weststar's connection with Maxus, as the company's longest-standing global partner, enables us to provide the best service possible, not only in sales, but also in aftersales and warranty. The Maxus factory completely supports our highly qualified personnel in all areas, leveraging a partnership built on mutual respect and trust.

Even this website is already on development process, we are still need to update code files into our hosting service such as Plesk and to notify the other internship students, and we need to upload it at Microsoft Teams.

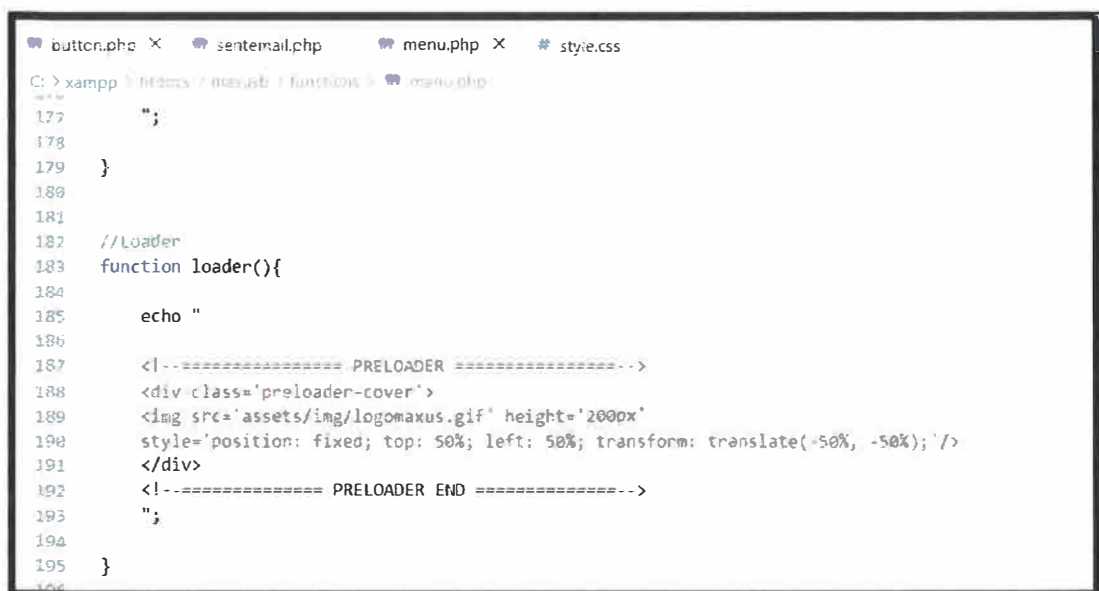


Figure 6: Maxus Website's Loader

On March 5, 2021, I received my first task for the Maxus website project. My supervisor, Mr Aizad, informed me and my team members that our client, Weststar Maxus, needed to alter the loader page and that the loader page had to include their logo. Mr Aizad requested me and Amiera to do it because I was new and the other members were occupied with their own tasks. We divided the tasks correctly and decided that Amiera would design the loader and I would code it.

We used the Crello app to develop Maxus loader because we could not discover any other apps to do it. Crello is a graphic and video design tool that allows anybody to create professional-looking designs in just a few clicks using designer-ready-made templates or from scratch utilizing a variety of design tools and capabilities.

Crello features over 30,000 ready-made design templates (renewed weekly), access to a 200-million Depositphotos stock image collection, and exclusive Curated material from Depositphotos' own picture studio Lightfield Productions that has never been published anywhere on the Internet. Below is the picture of the coding for Maxus website's loader that I have made.

A screenshot of a code editor window with several tabs open: 'button.php', 'sentemail.php', 'menu.php', and '# style.css'. The active tab is 'menu.php'. The code is as follows:

```
C: > xampp >htdocs / maxusb / functions > menu.php
177     ";
178
179 }
180
181
182 //Loader
183 function loader(){
184
185     echo "
186
187     <!--===== PRELOADER =====>
188     <div class='preloader-cover'>
189     <img src='assets/img/logomaxus.gif' height='200px'
190     style='position: fixed; top: 50%; left: 50%; transform: translate(-50%, -50%);' />
191     </div>
192     <!--===== PRELOADER END =====>
193     ";
194
195 }
```

Figure 7: Coding of Maxus Website's Loader

3.1.3 Knowledge Sharing Session

Knowledge sharing is the exchange of knowledge among people, friends, peers, families, communities, or within or between organizations. People exchange information through a variety ways, including discussions, meetings, learning sessions, seminars, films, and other forms of communication media. Organizations have realized that knowledge is a significant intangible asset for gaining and maintaining a competitive advantage.

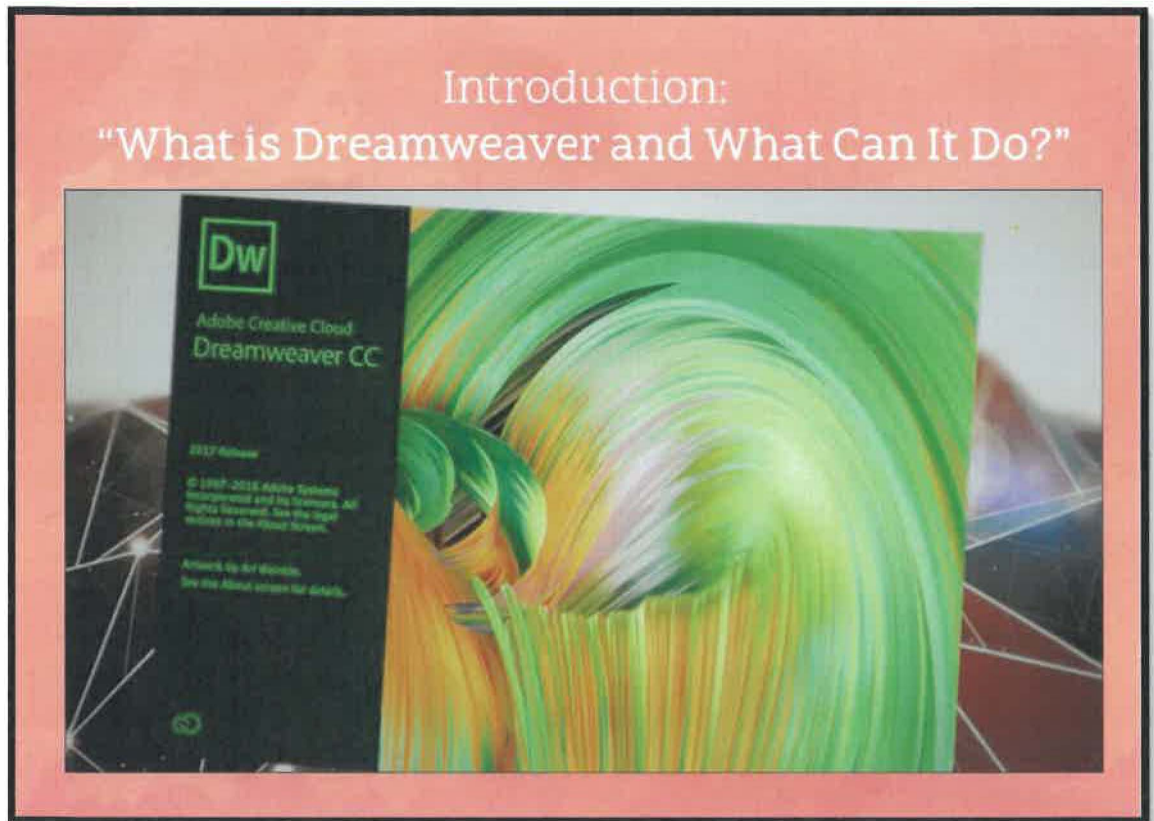


Figure 8: Slide of Adobe Dreamweaver

On 4th March 2021, my supervisor, Mr Aizad, asked me to prepare a presentation for knowledge sharing session. Mr Aizad informed me that they would hold a knowledge sharing session every week on Thursday or Friday, and that each internship student will be required to make a presentation on the topic given by Mr Aizad. Then, Mr Aizad asked me to present about Adobe Dreamweaver. On 5th March 2021, I and other internship students had a meeting with our supervisor, Mr Aizad in the morning using Microsoft Teams as a platform. I stated my presentation about Adobe Dreamweaver for knowledge sharing session.

Dreamweaver is software that allows users to create, code, and manage websites. What is really unique about the software is that it allows users to write code as well as create a website utilizing a visual interface. Dreamweaver appears to be an IDE (Integrated Development Environment). It is a piece of software that integrates several technologies to facilitate web design and development. Many mark-up languages are supported by Dreamweaver, including HTML, XML, CSS, and JavaScript. It supports English, Spanish, French, German, Japanese, Chinese (both simplified and traditional), Italian, Russian, and many more languages.

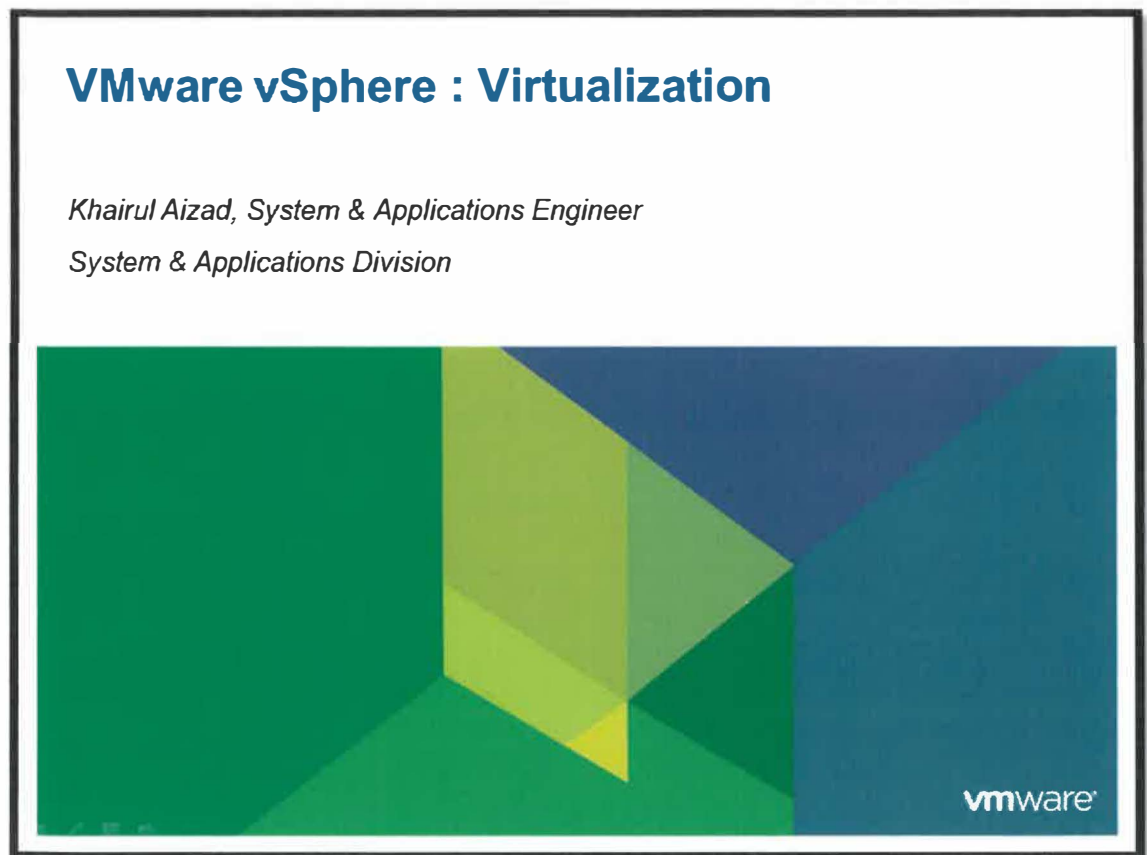


Figure 9: Slide of VMware vSphere

After that, Mr Aizad also joined the knowledge sharing session as a presenter and presented about VMware vSphere. VMware vSphere is the name of VMware's server virtualization product. It was previously called as VMware Infrastructure, and it comprises of ESXi, a Type 1 hypervisor, vCenter Server, and a few other critical capabilities for keeping virtual servers up and operating. vSphere is revised and updated on a regular basis to add functionality, modify the application program interface (API), and make changes to the ESXi Shell.

As previously stated, ESXi is a Type 1 hypervisor. It is in charge of conceiving and integrating processors, storage, memory, and other sources into numerous computers. The ESXi also has a Virtual Machine File System, which gives users a high-performance cluster file system for virtual machines.

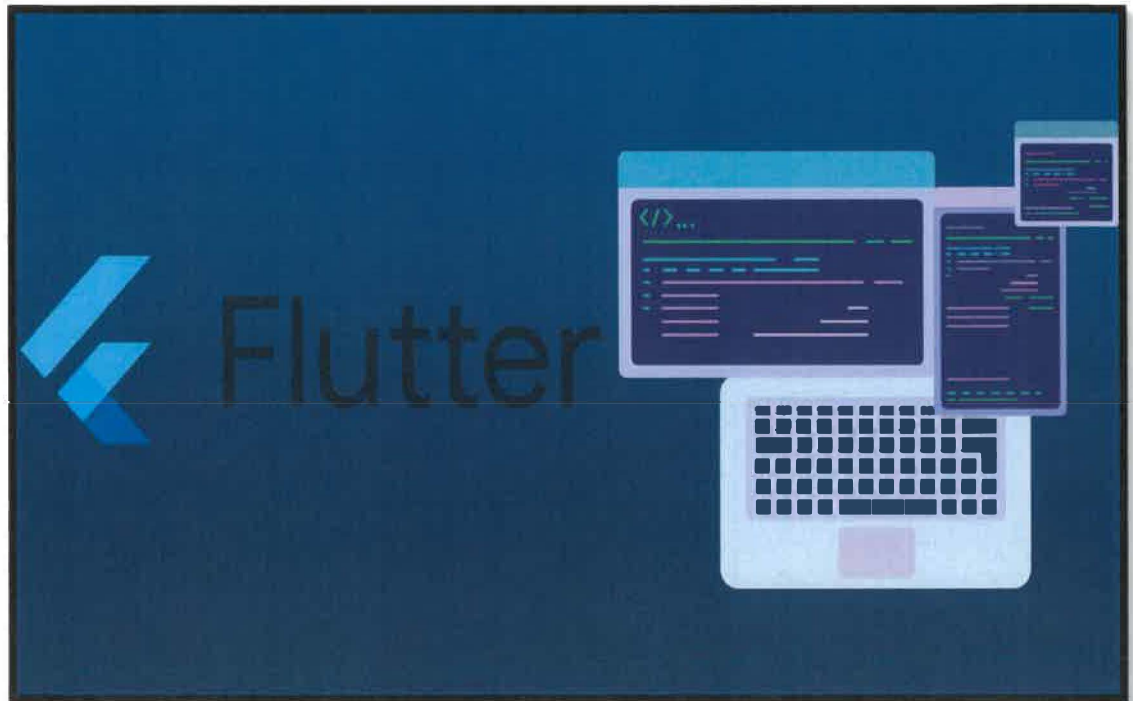


Figure 10: Slide of Flutter

Mr Aizad assigned me and Amiera the task of presenting about Flutter at our next knowledge sharing session on March 11, 2021. Mr Aizad suggested that we utilize Flutter for our next project, the Flight Information Display System (FIDS).

Then, Amiera and I divided our presenting parts, and I prepared the slide for our presentation. On 25th March 2021, at 10.00 am, we had meeting with Mr Aizad for knowledge sharing session using Microsoft Teams as a meeting platform.

Google's Flutter is a free and open-source mobile UI framework that was introduced in May 2017. In a nutshell, it enables users to develop a native mobile application using only one codebase. This means that a user may develop two distinct apps using a single programming language and codebase (for iOS and Android).

Flutter is divided into two main components. The first is an SDK (Software Development Kit): A collection of tools that will help user in the development of their apps. Tools for compiling user code into native machine code are included (code for iOS and Android). The second component is a Framework (a widget-based UI library): A set of reusable UI components (buttons, text inputs, sliders, and so on) that users may customize to meet their own needs.

Dart is a programming language that will be used to build with Flutter. Google established the language in October 2011, although it has evolved significantly over the years. Dart is a front-end development language that may be used to construct mobile and online apps. Dart is a typed object programming language for users who know a bit of programming. The syntax of Dart can be compared to JavaScript.

3.1.4 Microsoft Azure Training

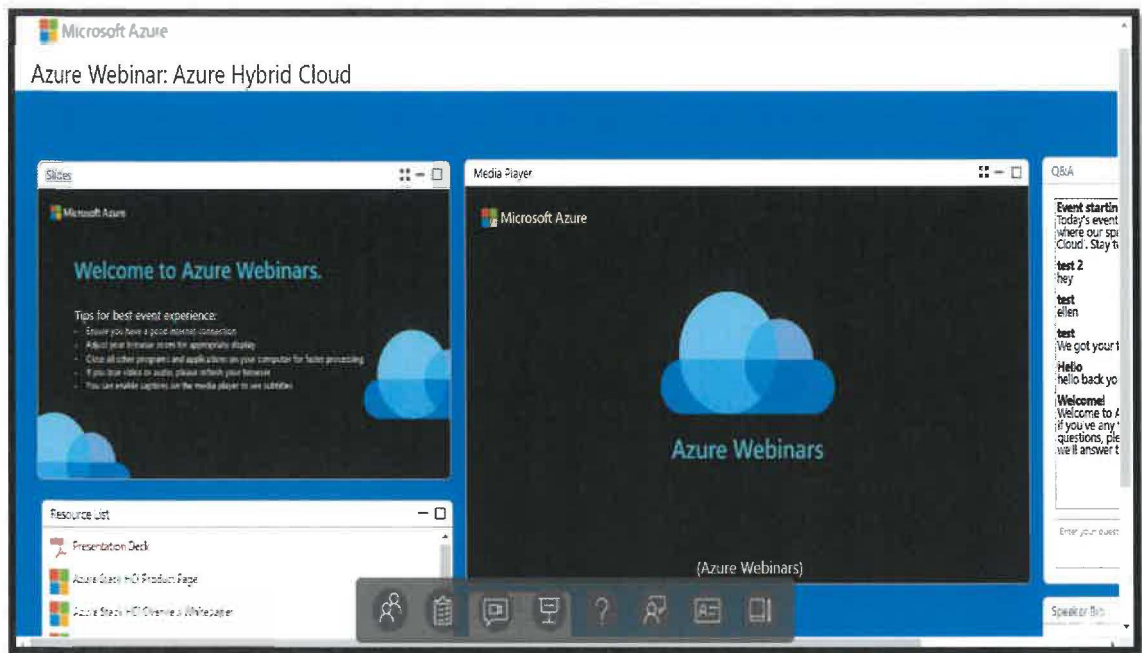


Figure 11: Microsoft Azure Training

Mr Aizad introduced us about Microsoft Azure and invited us to attend Microsoft Azure Training on March 25, 2021. This is for use in obtaining the certificate supplied by Microsoft Azure, and we will be able to utilize it in the future. To participate in this course, we must first register for free on their website.

I and other internship students registered on Microsoft Azure's website, and our training was set for March 29th for part 1 and March 30th for part 2 from 9.00pm to 11.00pm. I learned a lot about Microsoft Azure on training day. Azure is a public cloud computing platform at its core, offering solutions such as Infrastructure as a Service (IaaS), Platform as a Service (PaaS), and Software as a Service (SaaS) that can be used for analytics, virtual computing, storage, networking, and much more. It may be used to augment or replace the on-premise servers.

After attend Microsoft Azure training, we need to take Microsoft Azure Exam which is the code is "AZ-900" to achieve the official certificate that given by Microsoft if we success in the exam.

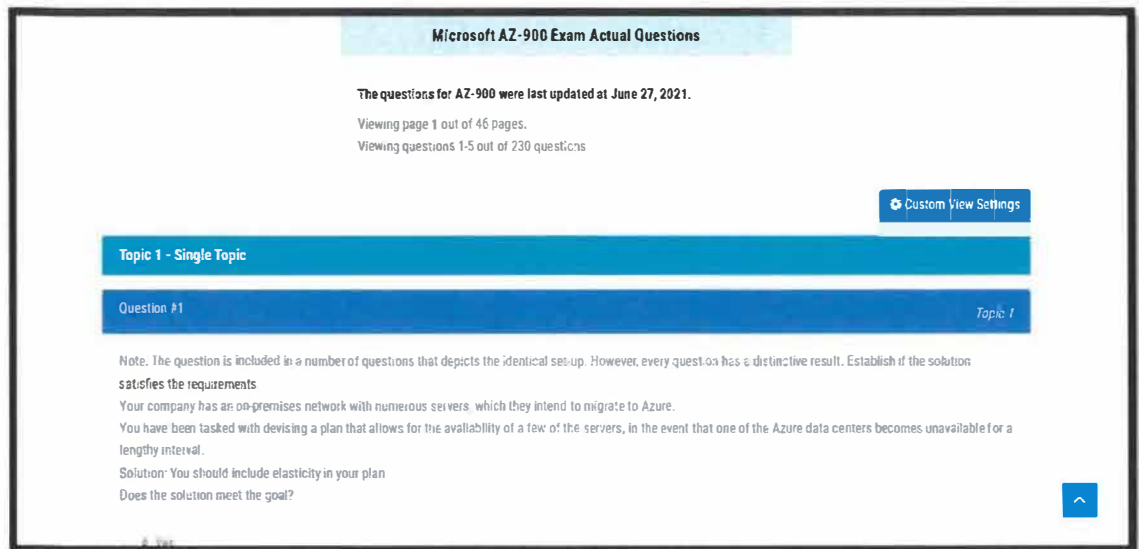


Figure 12: Microsoft Azure Example Questions

The picture above is a website that I and other internship students can refer to study about Microsoft Azure Exam. This website is named "ExamTopics," and it has a large number of sample test questions that are not just related to the Microsoft Exam. Information obtained from a variety of external sources. ExamTopics is an online community where users can get exam dumps and free practice tests for nearly any certification. They help people study smarter, not harder.

Mr Aizad requested that we take the exam on April 7, 2021, at 10.45 a.m. Since I am still a student, there is no price to take this test; however, non-students who wish to take this exam must pay the fee. I checked in for the exam using OneVue at 10.15 a.m. on April 7, 2021, at the office. Then, I need to wait for the proctor to let me in to the exam place.

After an hour of waiting, the proctor approached me and requested me to show her my workplace; nevertheless, the proctor stated that I needed to find a close area, such as a room, to take the exam. Then I walk to the office's prayer room, show the proctor the room, and she lets me take the exam. The number of questions is 42, and the time limit is 60 minutes. Unfortunately, I failed the exam, and just two of the other internship students passed the exam.

3.1.5 Weststar Engineering Sdn. Bhd. Tender

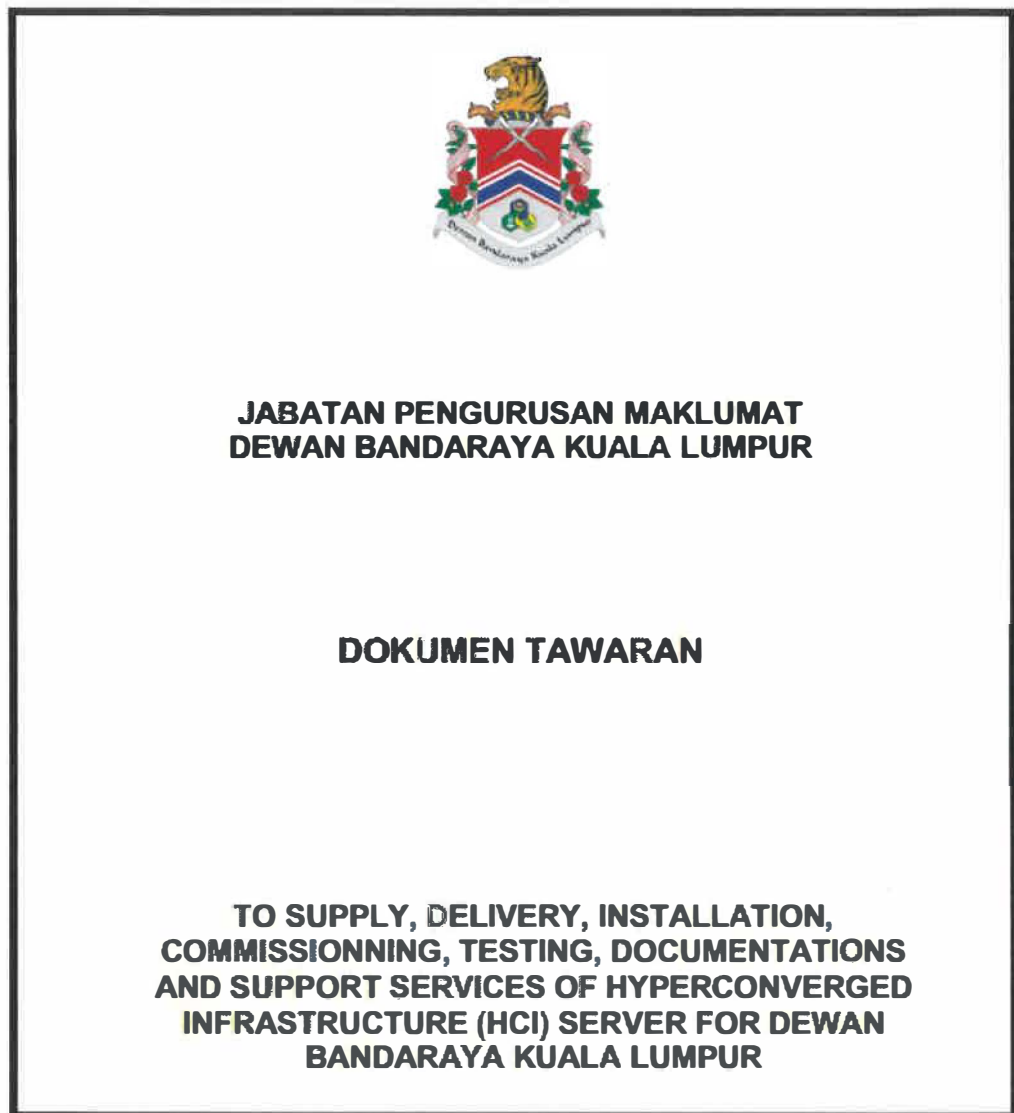


Figure 13: Example of Tender

Aside from the coding work, I was also assigned to assist staff in filling out information in the Weststar Engineering Sdn. Bhd. tender. On March 9, 2021, Mr Caleb, a Weststar employee, asked me to translate a Weststar tender from Bahasa Malaysia to English. Mr Caleb then requested me to translate Civil Aviation Authority of Malaysia (CAAM) from Bahasa Malaysia to English on March 11, 2021.

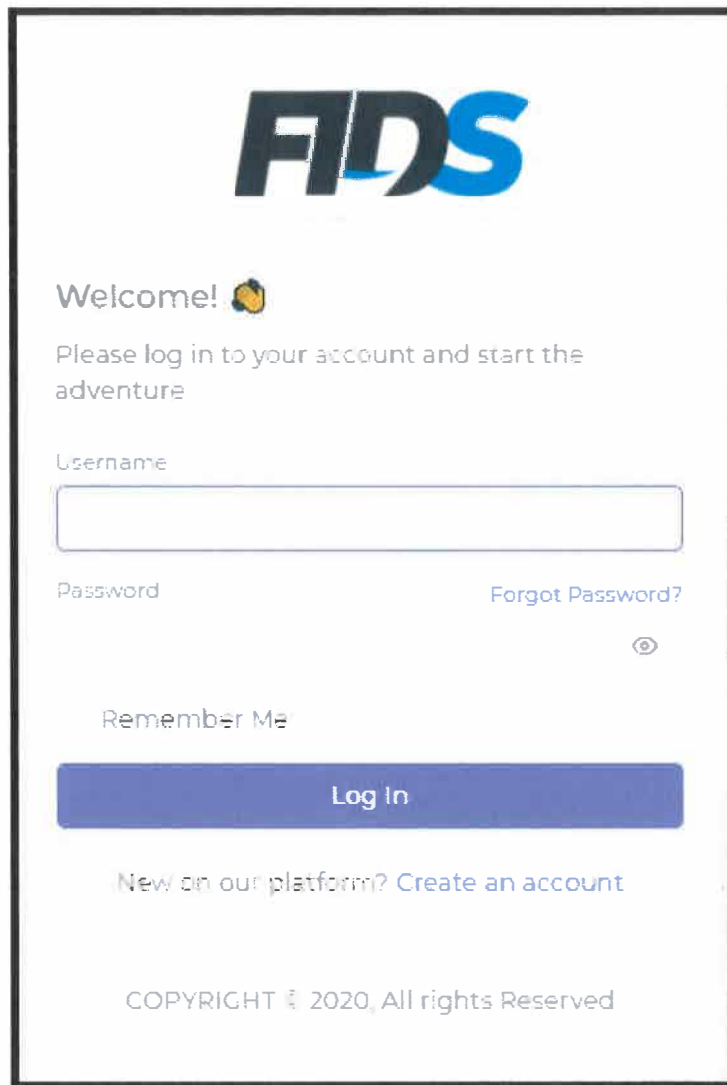
Weststar Engineering Sdn. Bhd. received many tenders from government agencies such as the Kuala Lumpur City Council and the Ministry of Health Malaysia. The most recent tender in which I have participated is the FiberHome tender, which is a tender with Wuhan Fiberhome International Technologies Co. Ltd., who conducts communication goods businesses. The company provides optical fiber connectivity, wireless communication, and communication-related equipment. Wuhan Fiberhome International Technologies also offers after-sales support.



Figure 14: Me and Staff Doing FiberHome Tender

The tasks that I have done for tender are translate, key in information in tender and make a photocopy of each file for tender. The FiberHome tender is the most difficult of all tasks to complete because it has 12 volumes of files, which each requires 5 copies, for a total of 60 files. I and the other internship students had worked really hard, and we needed to work on Saturday to finish the tender.

3.1.6 Flight Information Display System



FIDS

Welcome! 👤

Please log in to your account and start the adventure

Username

Password [Forgot Password?](#)

 Remember Me

[Log In](#)

[New on our platform? Create an account](#)

COPYRIGHT © 2020, All rights Reserved

Figure 15: Flight Information Display System (FIDS)

Following the completion of the Maxus project, my supervisor, Mr. Aizad, briefed me and my team members about our next project, which is Flight Information Display System (FIDS). A flight information display system is a computer system used by Weststar Aviation to display flight information to their staff. The computer system operates mechanical or electronic display boards or TV displays to display incoming and leaving flight information in real-time.

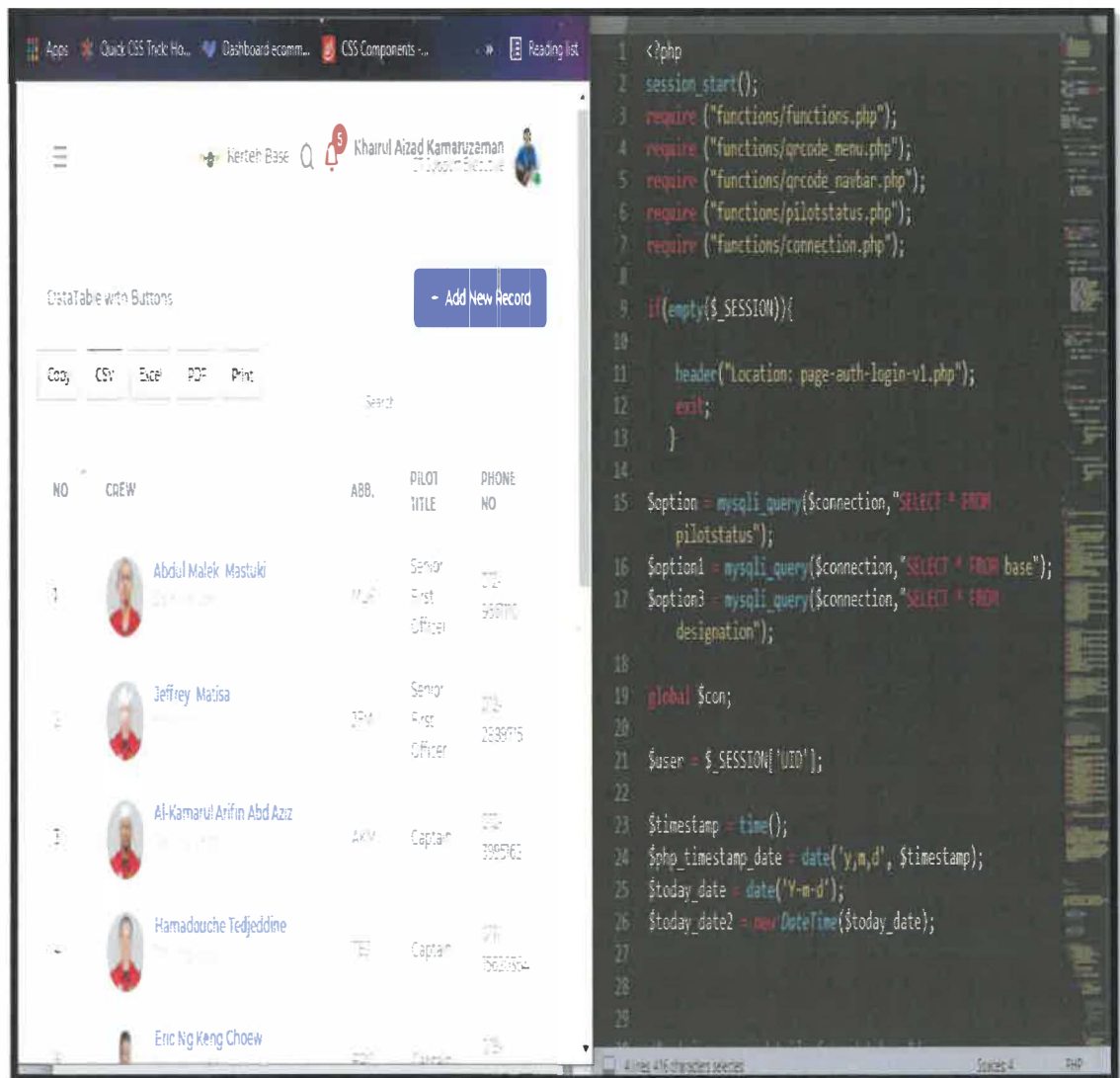


Figure 16: Crew List and the Coding in FIDS

Mr Aizad divided us into two groups for FIDS project, Group A and Group B. I'm in Group A, which is responsible to create a Crew List in this system, whereas Group B is responsible to create a Calendar for this system. Mr. Aizad asked us to figure out how to display Crew List data from the database to FIDS, and after a few discussions with group members, we discovered a way to display Crew List in FIDS by utilizing the coding shown in figure 16.

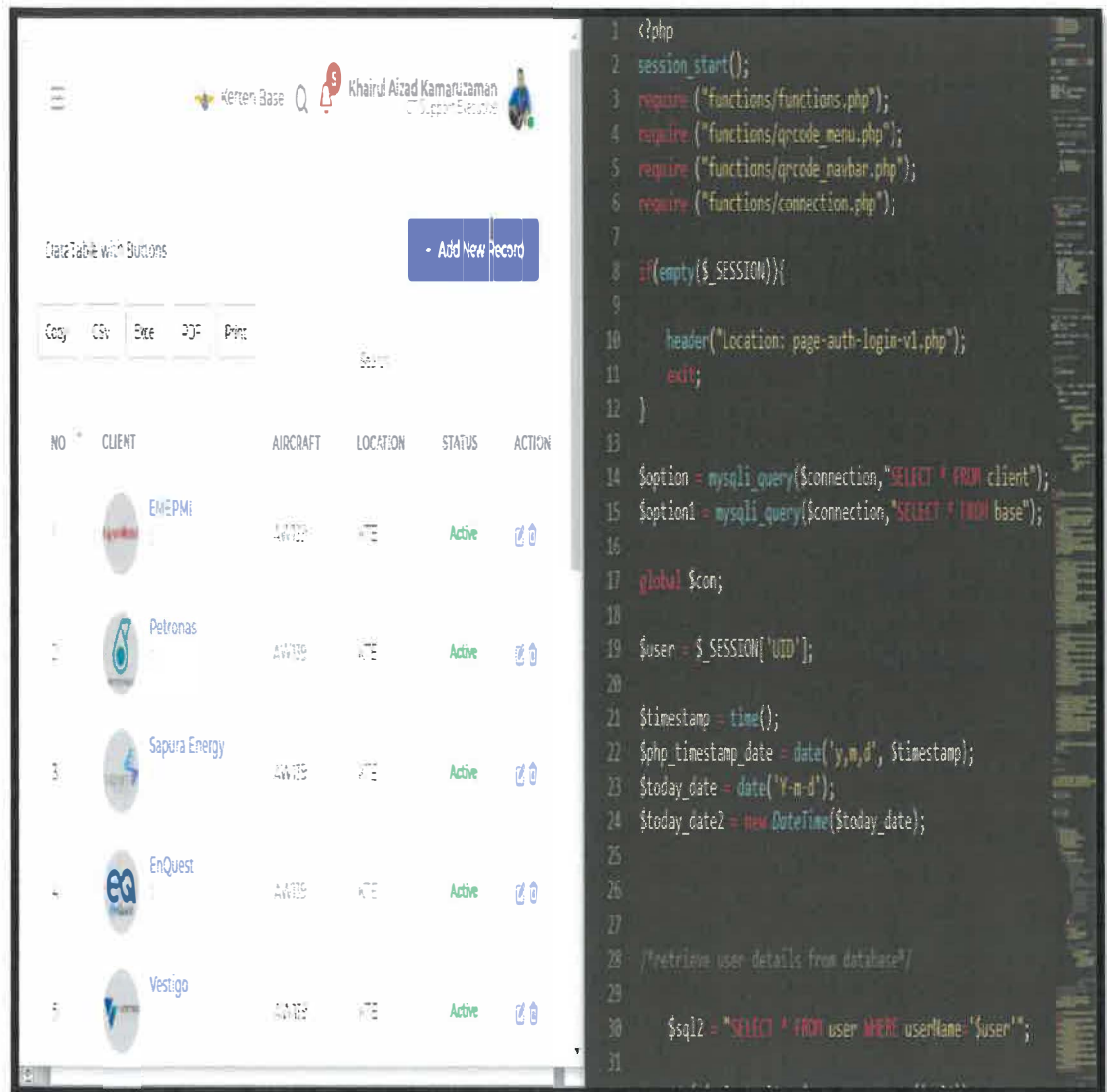


Figure 17: Client List and the Coding in FIDS

After completing the first task, our second task is to display the Client List in FIDS. I created Client List using the same code as Crew List, but I just changed the code to call the database, as shown in Figure 17. Unfortunately, after I have done created Client List, our supervisor informed us that this project has been put on hold due to a lot of new projects that must be completed first.

3.2 Special Project
The New Weststar Motors Website

3.2.1 Introduction

This chapter discusses the project overview of the new Weststar Motors website, the problem statement that was issued to create the new website, the objective of creating the new website, the scope of the project, the system requirements, and the tools for development and planning.

3.2.2 Background of Study

Weststar Motors is a SAFZ Auto subsidiary and a member of the Weststar Group. SAFZ has been a prominent provider of high-end import vehicles in the nation since 1993. SAFZ Auto caters to customized import automobile orders by offering bespoke sales and after-sales services, enabling clients the pleasure of choosing the desired features of their top marques.

SAFZ Auto is the perfect pit stop for domestic auto enthusiasts, offering an extensive range of luxury and high-end performance automobiles. SAFZ Auto is the ultimate provider of 'big boys' toys in Malaysia as a result of this dedication. SAFZ Auto strives to provide their customers with an unrivaled ownership experience.

Weststar Motors strives to provide their customers with an unparalleled ownership experience. With over 20 years of expertise in the automotive business, they have the skills and knowledge to provide their customers with goods that have been carefully picked from reliable sources. They demand that every automobile they buy through a rigorous inspection and PDI procedure both at the point of origin and when it arrives in Malaysia. With partners and representatives throughout the United Kingdom, they have complete control over the quality of the vehicles they offer, guaranteeing that their inventory is always of the highest quality.

Stocks are obtained from renowned and trustworthy dealers in the United Kingdom, such as franchise dealer stocks and premium dealer stocks. They are ready to pay a premium for these stocks because they know they will be able to provide their customers with a product that is superior to what is now available on the market. Being a valued customer in the UK market also entitles them access limited edition or launch edition vehicles. This allows them to customize orders to their customers' specifications.

They have their own Approved Permits for the Importation of Automobiles, guaranteeing that every vehicle brought in is legal and in accordance with official rules. Their committed team of educated and skilled automotive industry professionals is here to answer the questions and give the finest advice possible. The continued and repeated support of their loyal customers refers to their success.

3.2.3 Project Overview

The new Weststar Motors website is intended to be one of the organizational management modules developed by organizations particularly built for office and user access via computers and mobile devices.

It will be used to record all information on Weststar Motors' vehicles. This project was built with WordPress software, a free and open-source content management system developed in PHP and paired with a MySQL or MariaDB database. Plugin architecture and a template system, known as Themes in WordPress, are among the features.

The maintenance of car details via computer systems is now widely used in many companies. However, there are several issues that must be addressed before full sales system operations can be developed and configured. Establishing and developing information systems based on user demands takes less time these days. The module created here consists of a basic template for all information systems.

3.2.4 Problem Statement

This project was established in response to management demands and as a solution to numerous difficulties in order to make the process more effective and methodical in order to enhance inventory management and mobility, as there are many challenges with their current method, such as:

1. Poor or outdated visual design

When people visit their website, they perceive it to be a representation of the company. Readers will see them as an authority and expert if their site appears professional and is packed with helpful content. Similarly, if the site appears to be badly designed, organized, and/or out-of-date, people will make the same conclusions about the company. The website should emphasize their product or service, and the layout should be aesthetically pleasing and consistent.

2. Stock photos

When developing the website, it is critical to choose just those components that will have a beneficial influence on the website's objectives. Photography is one component of a website where this is especially true.

3. Measuring Effectiveness

An outdated website may not have the required capabilities to help them assess the effectiveness of company online presence. Heat mapping, conversion tracking, and user recordings are a few examples.

3.2.5 Objective

Weststar Motors new website to fix the issues and problems mentioned before, as well as to achieve the following objective:

- To provide high-quality content on the website.
- Using other social media sites to promote the website.
- Enhance interactions with current and prospective customers.

3.2.6 Scope of Project

The primary goal of this project is to design and develop an interactive new Weststar Motors website. These particulars are constantly updated based on the various inputs and modifications made in the Weststar Motors WordPress. The new Weststar Motors website is tightly aligned with other established Information Systems designed to improve operations and increasing customer satisfaction.

The first step in implementing the new website is to gather information about the goods and needs from the customer in order to determine the feasibility of developing the website for Weststar Motors. In the first half of the project, the process of determining the techniques and tools to be utilized will take place. Along with it, the new website's interface will be created.

The project's last phase will focus mostly on implementing and testing the system until it is done. This project is expected to take around 4 months to complete.

3.2.7 User Target

The user target focus of this project is manager of Weststar Motors, staff of Weststar Motors, and customers.

3.2.7.1 Customers

The creation of a new Weststar Motors website is to make the system more user-friendly because the current one is more complex. Management has requested that it be made as easy as possible, which implies that the user will need to do the least amount of work and that all of the other parts will be created back-end. This system has an authority login that restricts the interface based on the user's access level.

3.2.7.2 Inventory Keeper

Inventory Keepers will be in charge of entering item data into the system as well as stocking out cars from the store. For the time being, they have access to all levels of modules and are in charge of controlling all in and out cars from the store. With this website, the time required to process stock out may be cut by up to 80%. This website will also be used by the Inventory Keeper to do physical stock checks.

3.2.7.3 Manager

Managers are responsible for physically inspecting inventory to ensure that it is in balance with the data on the website. Having this record can assist store management make decisions and assure the integrity of the inventory keeper.

3.2.8 Methodology

Methodology is the process through which I collect information about the client's new website requirements. Information was gathered by email or Microsoft Teams, as well as by having Weststar Motors staff observe the meeting. The meeting's outcomes are then documented and distributed to their developer in order to plan the design and functionality of their new website.

3.2.8.1 Meeting

Because of the organization's distance, the first method we use is to have a meeting via Microsoft Team Conference Call. I and team members were discussing the design and functionality with my supervisor, Mr Aizad, after Mr Aizad had consulted with Weststar Motors staff regarding the design and functionality. I and team members were introduced to their current website, which is extremely useful in providing information about the process and the limitations encountered.

As a developer, I was required to go through the whole associated module on the Weststar Motors website to have a good understanding of the design and function. During our conference call, I also provided access to WordPress, which was used for development purposes to see the connection of pages in order to build the functionality.

3.2.8.2 Observation

My supervisor, Mr Aizad, and Weststar Motors staff observe the project in preparing for its implementation. The observation phase lasts about a week, and during that time there is an observation routine from Weststar Motors and several meetings with them about the development of the new website.

3.2.9 Tool used for development / System Requirement

To create the new Weststar Motors website, the costing and tools must be carefully chosen to ensure that they are within the organization's budget and can be used by multiple developers at the same time. The entire cost of this development is considered private and confidential, and it cannot be accessed or published in any illegal documents.

Aside from the technologies used to create this website, support tools were also considered to facilitate the development process and help in communication. Having support tools has greatly helped me in communicating and developing websites while simulating real-world usage.

3.2.9.1 Hardware

Because development tools are used in a browser, I and team members are needed to utilize a high-performance laptop to speed up the development process. The following hardware has been used:

Table 2: Hardware cost for development

Hardware	
Notebook: <ul style="list-style-type: none">- Intel® Celeron® Processor N3350 Processor- 4 GB DDR3L Memory- 500 GB HDD- Window 10 (64bit)	-
Computer: <ul style="list-style-type: none">- Intel® i5-4670S @ 3.10GHz- Intel HD Graphics 4600- 8 GB DDR3L RAM- 500 GB HDD SATA 2.5'- Windows 10 (64bit)	-

3.2.9.2 Software

WordPress was selected as our development tools to develop this new website after discussions with my supervisor and client. They selected WordPress since it is a simple platform to utilize for those who are new to web development. It is completely adaptable, and its plugin and theme systems allow us to create nearly any sort of website we want.

Apart from that, Mr Aizad utilized Plesk for this project. Plesk does it by automating numerous activities and procedures on a single or several servers. Plesk is a web hosting platform that includes a control panel that enables administrators to set up websites, reseller accounts, e-mail accounts, DNS, and databases using a web browser.

Table 3: Software cost for development

Software	
WordPress	-
Plesk	RM20.00 / per month (estimation)

3.2.10 Project Planning (Gantt Chart)

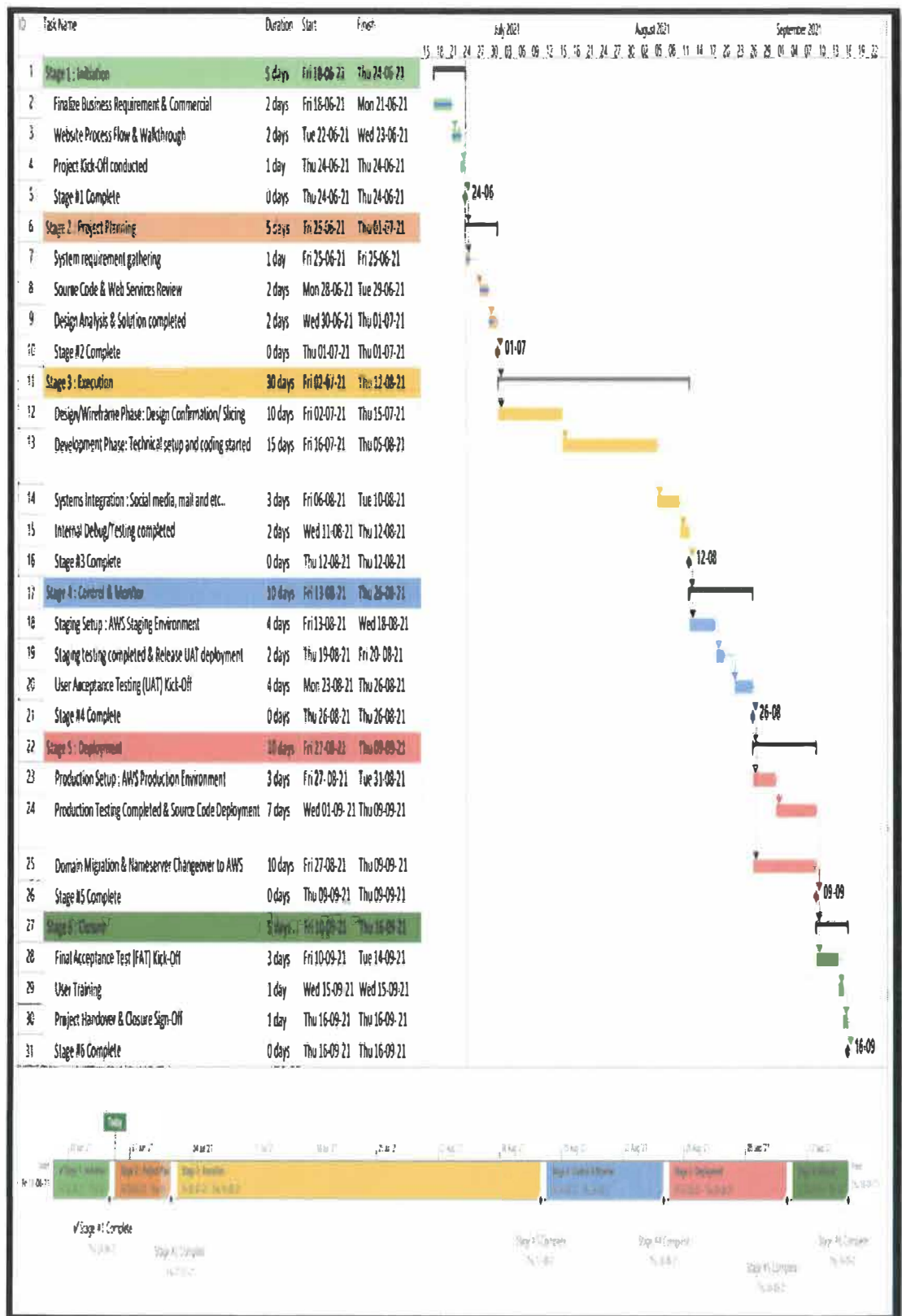


Figure 18: Gantt Chart Weststar Motors Project

3.2.11 Development Methodology

For methodology of our new website development, we use waterfall system development methodology. This is a systematic procedure that is followed to complete all of the stages involved in Planning, Analyse, Design, Implement, and Maintenance information systems. The five elements in this process are completed step by step.

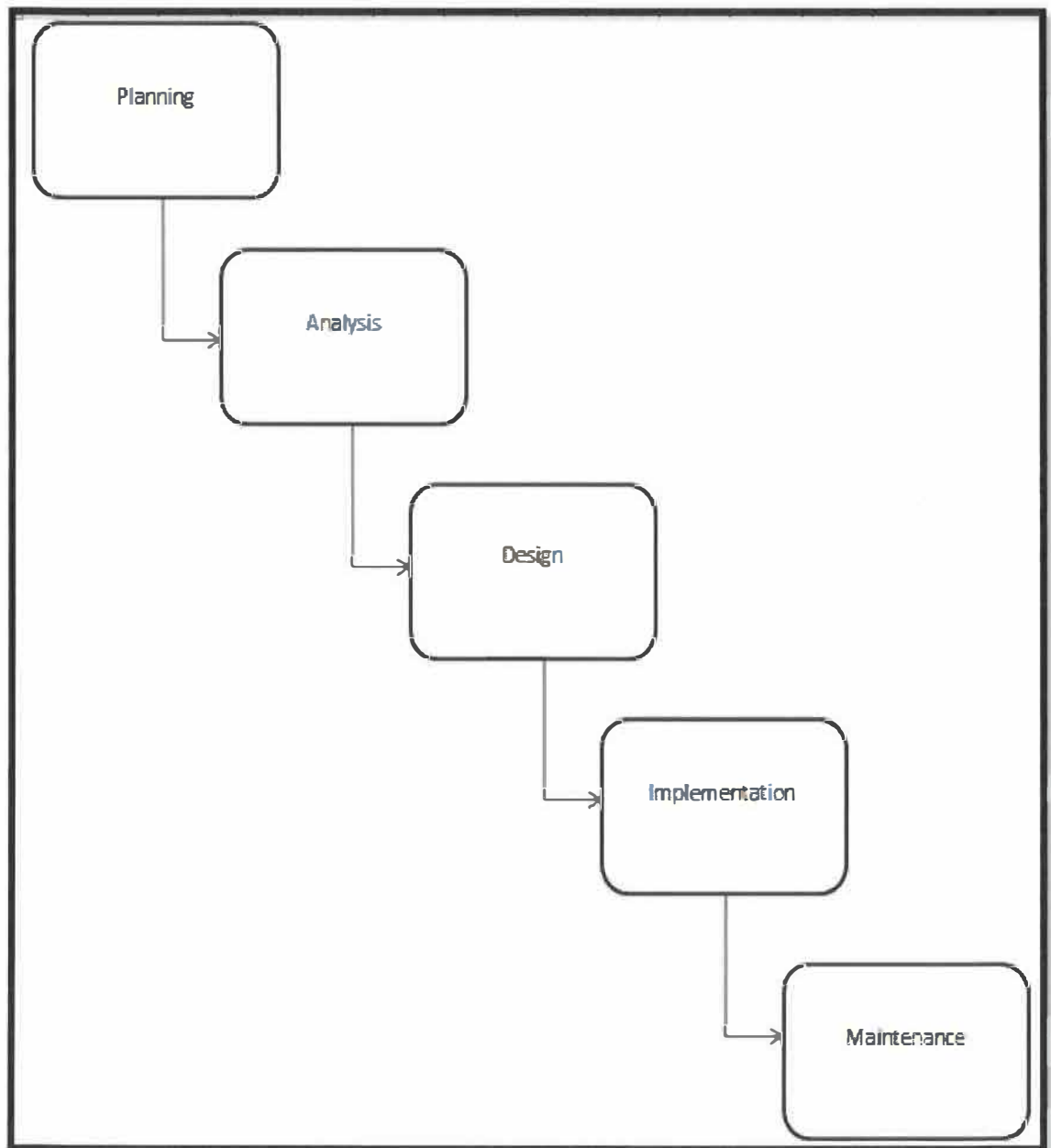


Figure 19: Waterfall System Development

3.2.12 Planning

The first stage is planning. The process began with concept planning, which required understanding of the new Weststar Motors website development process. Then, we moved on to gather information about the previous Weststar Motors website that may be utilized in decision making to decide the new Weststar Motors website, such as lack of system mobility and out-of-date design. The client requested that a new Weststar Motors website be created which would attract customer attention.

The second stage is the analysis stage. This section includes determining additional websites from online sources. Analysis of other websites revealed aspects in the website that may be used for improvement ideas. The functionality of the other vehicles dealer website is to realize concepts such as the inventory feature, the homepage design, the notion of services, and others.

The procedure continued with the design stage. Mr. Aizad, my supervisor, purchased a website template online, and the template design is comparable to what the client desired. This stage will also include the creation of the website design in WordPress, which we will then show to Mr Aizad. Because I and my team members were new to WordPress, Mr Aizad requested that we first study the website template and WordPress. Then, I began designing the Inventory page and discussed it with Mr Aizad. Mr Aizad would then show the design to the client and discuss what information to include on that page.

After the design stage, the implementation stage is carried out. The website is tested, implemented, and supported in the organization during implementation. The actions in this stage include content development, which is the data that the website required. Entity Relationship Diagram (ERD) creation and website development are part of the content development process. The ERD table was developed based on the website's data requirements. The tables must be linked together to form a database. Then, create a website that may also be used. The data flow and context diagrams were designed to demonstrate the new website's process.

After that, the maintenance stage was conducted. The idea was expanded on the basis of Weststar Motors' new website. The website must then be tested with a client. This session will test the website's procedure before moving on to the testing of a full information system using actual data in a real user environment. The team's final preparation for the system and report is required. Any problems will be resolved throughout this stage. Lastly, the website development must be shown in the final presentation. This website is expected to become live in September.

3.2.13 Analysis

Introduction

Weststar Motors' previous website used a traditional management system, which resulted in several issues such as incorrect data about which cars were available and sold out. Inventory must be replenished in a timely way or their business will suffer a significant backlog. Manual inventory management systems do not use time, do not use outdoor data, and do not simplify data to create reports. An old website also does not give visibility or accuracy to a business function.

Aside from that, a website with a system that does not include all areas of company operation may be unsuccessful. The manual inventory system uses a decentralized method, which means that the data is not updated in real-time, and inventory levels are updated on a regular basis. Weststar Motors' new website, on the other hand, is linked to every aspect of the business. It is a real-time inventory management system that updates cars stock as soon as they arrive at the store. This increases accuracy and enables businesses to replace car supply on schedule and without interruption.

Current System Analysis

Weststar Motors' website has not really been updated in years, and the user experience is also not very user-friendly due to out-of-dated design and a lack of content. In terms of the website's back end, it was badly built because some of the pages had incorrect information and the condition was established without any documentation. Understanding software utilization is essential for the IT department, but it would be impossible if we did not know and comprehend the website's behaviour.

Create New Weststar Motors Website as Solution

The purpose for creating a new Weststar Motors website is that it may help a business function more competently while also simplifying the administration procedure. This new website may assist storekeepers in managing all aspects of their car stock and duties, from high-level strategic goals through day operations. The best website for any medium or large store is one that is meant to help them function and operate more efficiently, cut expenses, and transform past procedures to mobile ones.

The whole template on the Wordpress pages refers to a technology that helps businesses to manage, automate, and take on operational issues. Using Wordpress allows Weststar Motors' new website to gain greater user visibility, which helps in the development of the long-term profitability strategy.

Create new Weststar Motors' website offers end-to-end solutions to customers and used car dealers, from car inspection to ownership transfer to finance, offering a trustworthy, convenient, and quick service. The solution also includes a vehicle overview, an inventory page of cars that are available and sold out, and many other features that allow storekeepers to access inventory status and performance figures on a regular basis in order to adjust the list of stock in accordance with user preferences, thereby increasing productivity. A good website attracts customers and helps businesses function more smoothly. Any business would not want a customer to complain about their website because it is out of dated.

3.2.14 Context Diagram (CD)

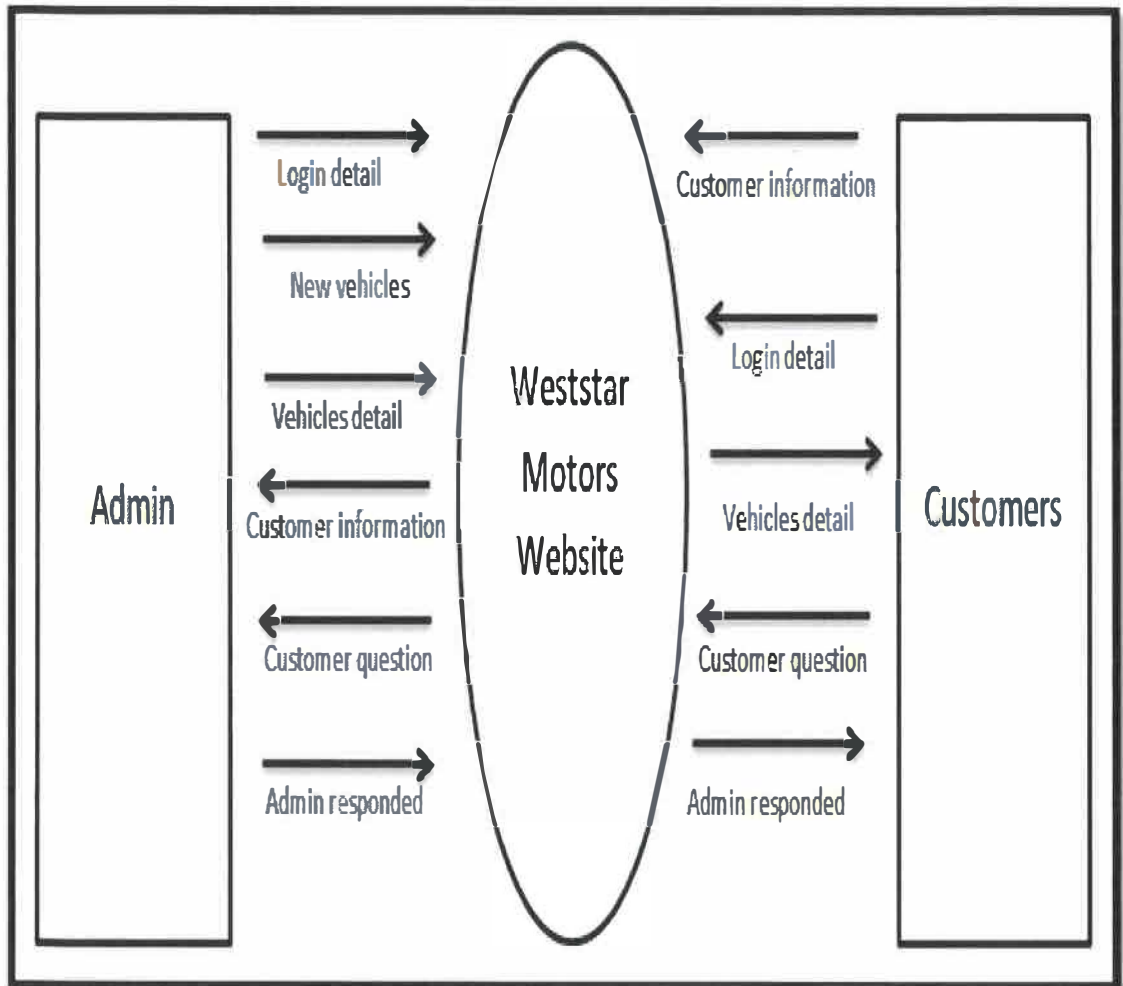


Figure 20: Context Diagram of Weststar Motors Website

3.2.15 Data Flow Diagram (DFD)

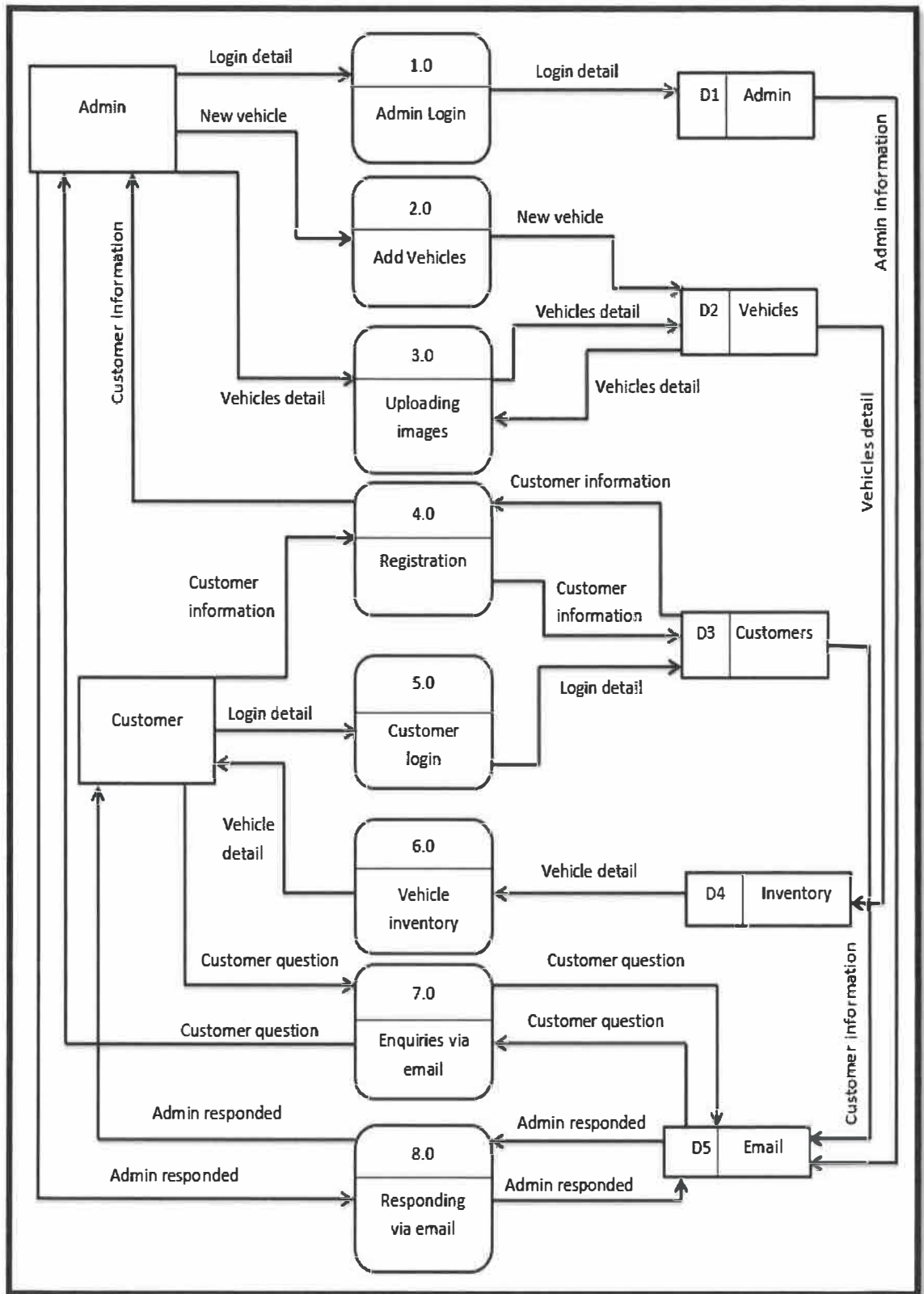


Figure 21: Data Flow Diagram of Weststar Motors Website

3.2.16 Design

Introduction

The purpose of this design is to use a diagram to demonstrate the operation and flow of Weststar Motors' new website. There are a few sections addressed in this chapter. Entity Relationship Diagrams (ERD) are depicted. The metadata of each table is then executed in this chapter to clearly understand what type of data is utilized for each attribute in the tables. Not only was that, but the interface design for each process of Weststar Motors' new website also displayed in the interface design section. The method is well-explained using the screenshot interface as an example. Following that, the interface design of each page of the Weststar Motors new website is shown to demonstrate how the Weststar Motors new website seems. This chapter also demonstrated the new Weststar Motors website's input and output.

3.2.17 Entity Relationship Diagram (ERD)

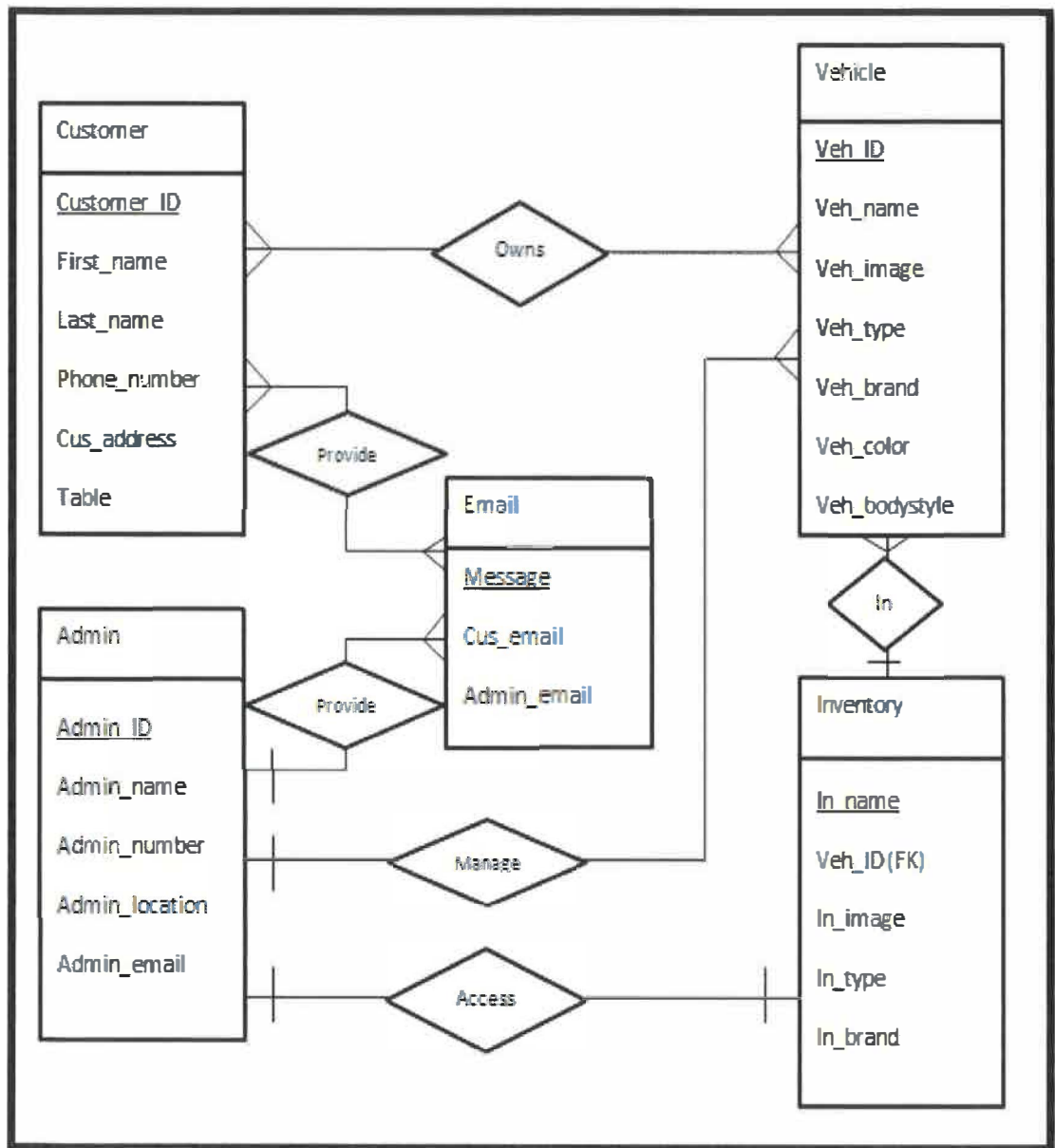


Figure 22: Entity Relationship Diagram of Weststar Motors Website

3.2.18 Data Dictionary

Table 4: Admin

Primary Key: Admin_ID

Column Name	Data Type	Allow Nulls
Admin_ID	int (10)	No
Admin_name	varchar (15)	No
Admin_number	varchar (15)	No
Admin_location	varchar (100)	No
Admin_email	varchar (30)	No

Table 5: Customer

Primary Key: Customer_ID

Column Name	Data Type	Allow Nulls
<u>Customer_ID</u>	int (10)	No
First_name	varchar (15)	No
Last_name	varchar (15)	No
Phone_number	varchar (15)	No
Cus_address	varchar (100)	No
Cus_email	varchar (30)	No

Table 6: Email

Primary Key: Message

Column Name	Data Type	Allow Nulls
<u>Message</u>	text	No
Cus_email	varchar (30)	No
Admin_email	varchar (30)	No

Table 7: Vehicle

Primary Key: Veh_ID

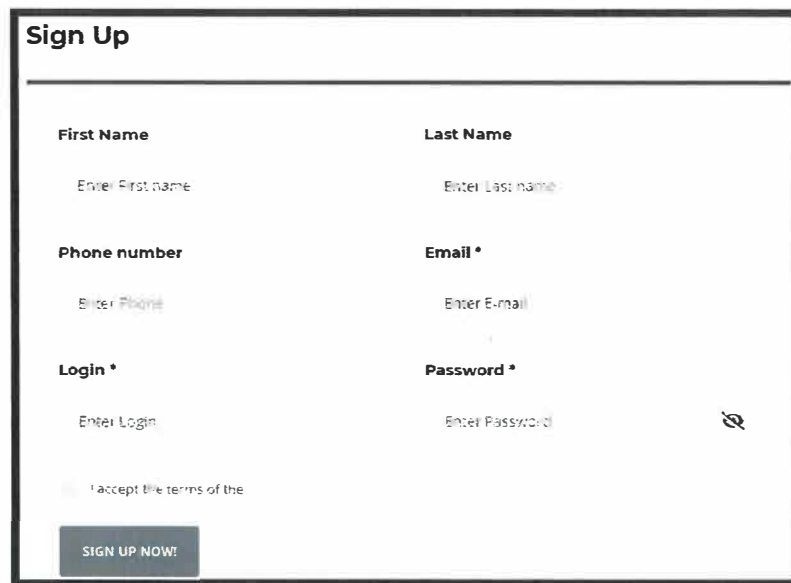
Column Name	Data Type	Allow Nulls
<u>Veh_ID</u>	int (10)	No
Veh_name	varchar (40)	No
Veh_image	blob	No
Veh_type	varchar (40)	No
Veh_brand	varchar (30)	No
Veh_color	varchar (40)	No
Veh_bodystyle	varchar (30)	No

Table 8: Inventory

Primary Key: In_name

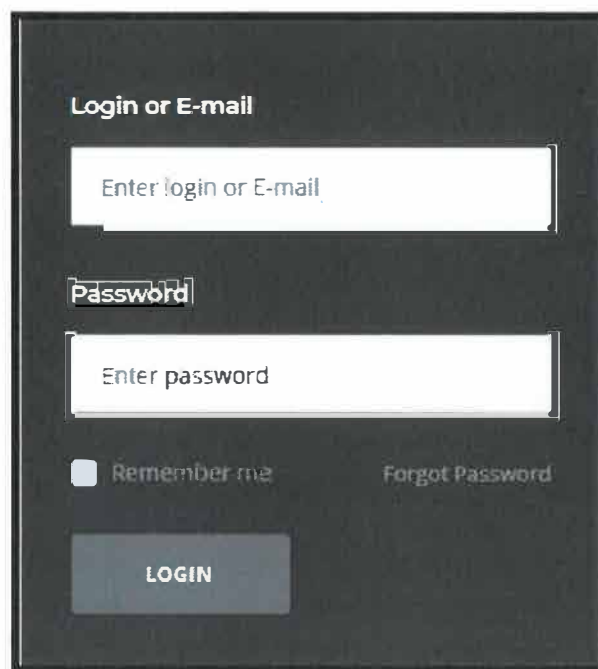
Column Name	Data Type	Allow Nulls
<u>In_name</u>	int (10)	No
In_image	blob	No
In_type	varchar (30)	Yes
In_brand	varchar (30)	No

3.2.19 Interface Design



The image shows a 'Sign Up' form with a white background and a black border. At the top left, the title 'Sign Up' is displayed in bold. Below the title, there are two columns of input fields. The first column contains 'First Name' and 'Phone number' fields, both with placeholder text 'Enter First name' and 'Enter Phone' respectively. The second column contains 'Last Name', 'Email *', and 'Password *' fields, with placeholder text 'Enter Last name', 'Enter E-mail', and 'Enter Password' respectively. A small eye icon is visible next to the password field. Below the input fields, there is a checkbox labeled 'I accept the terms of the' and a 'SIGN UP NOW!' button at the bottom left.

Figure 23: Sign Up Page



The image shows a 'Login or E-mail' form with a dark grey background. At the top, the title 'Login or E-mail' is displayed in white. Below the title, there are two input fields: 'Enter login or E-mail' and 'Enter password'. The 'Enter password' field has a 'Password' label above it. Below the input fields, there is a checkbox labeled 'Remember me' and a link labeled 'Forgot Password'. At the bottom, there is a 'LOGIN' button.

Figure 24: Login Page

The login page is where users enter their account information, which has been assessed based on their level of authority. Their account information is the same as it was on Weststar Motors' previous website, and an error message will display if they enter incorrect information. The user and admin logins will distinguish the functions available while using the website. After successfully logging in, users will see a variety of feature interfaces.

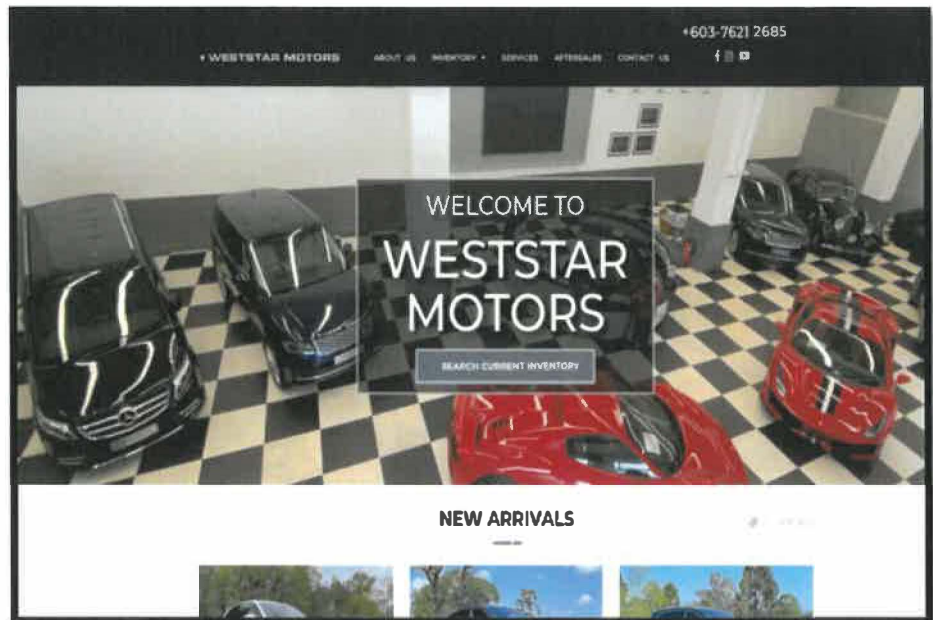


Figure 25: Homepage

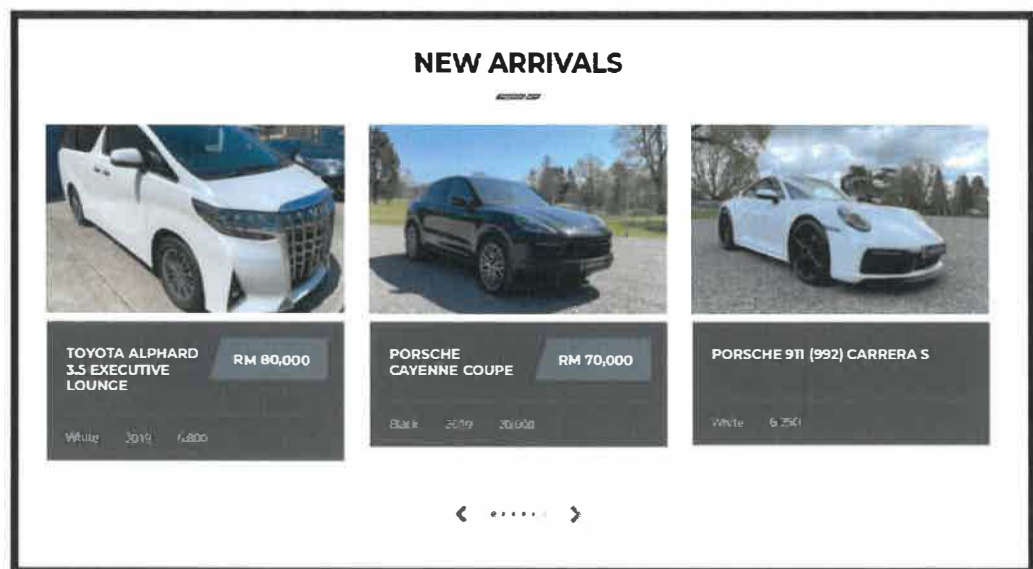


Figure 26: New Arrival Cars

The user can observe new arrival cars after logging in with their account information. This data is the same as that used on Weststar Motors' previous website. The item description, quantity, and minimum quantity will be displayed on this page. Items may also be searched based on their descriptions to help users find what they are looking for.

27 VEHICLES AVAILABLE

TYPE

- All
- Continental
- Japanese

MAKE

- Acura
- Audi
- BMW
- Chevrolet
- Ferrari
- Ford
- Honda
- Hyundai
- Kia
- Mazda

Toyota Alphard 3.5 Executive Lounge

RM 80,000

6,800 km | 3.5L V6 | Automatic | MPV | 2WD

Land Rover Range Rover Vogue SE TDV6

RM 25,000

11500 km | 3.0L V6 Diesel | Automatic | SUV | 4WD

Porsche Cayenne Coupe

RM 70,000


Figure 27: Inventory Page

Image	Title	Stock Number	Mark as sold	Date
	Toyota Alphard 3.5 Executive Lounge		<input type="checkbox"/>	Published 2021-07-23 at 8:37 am
	Land Rover Range Rover Vogue SE TDV6		<input type="checkbox"/>	Published 2021-07-19 at 5:17 am
	Porsche Cayenne Coupe		<input type="checkbox"/>	Published 2021-07-16 at 4:49 pm
	Porsche 911 (992) Carrera S		<input type="checkbox"/>	Published 2021-07-16 at 4:42 pm
	AUDI A8 55 TFSI (3.0 TFSI) Long Wheelbase (D5)		<input type="checkbox"/>	Published 2021-07-16 at 4:32 pm

Figure 28: Cars in (Admin View)

Toyota Alphard 3.5 Executive Lounge

ADD TO COMPARE ← SHOW THIS 📄 PRINT PAGE



RM 80,000

COLOUR	White
INTERIOR	Black Leather
YEAR	2019
MILEAGE	6,800km
ENGINE	3.5L V6
TRANSMISSION	Automatic
BODY STYLE	MPV
FUEL	Petrol

[ENQUIRE NOW VIA EMAIL](#)

or call us on +603-7621 2685












Figure 29: Enquiries via Email Page

This page is where user can ask any enquiries to Weststar Motors by clicking “Enquire Now via Email” button in figure 29. The page for this function is not ready yet for me to display in report.

3.2.20 Maintenance and Implementation

Introduction

During this stage, I convert final physical system requirements into as much functioning and dependable software as possible. Also, recording previous efforts might be beneficial to current and future users. Previously, Weststar Motors conducted business utilizing their previous website. The existence and use of a new website takes them one step closer to a technology-based business and pushes their business development to a new level. We introduce numerous major services to improve operation, such as Cars Information, New Cars Arrival, and Email Enquiries.

WordPress

In general, the purpose of this new website development using WordPress is to design and navigate the website. WordPress is a PHP-based content management system (CMS) that makes use of a MySQL database. Furthermore, WordPress is a powerful publishing platform that enables both non-technical users and developers to create and share content quickly and easily. WordPress themes are simple to customize because many of them include their own options panel that allows us to change colors, upload logos, change the background, create beautiful sliders, and truly customize it to our needs without writing any code.

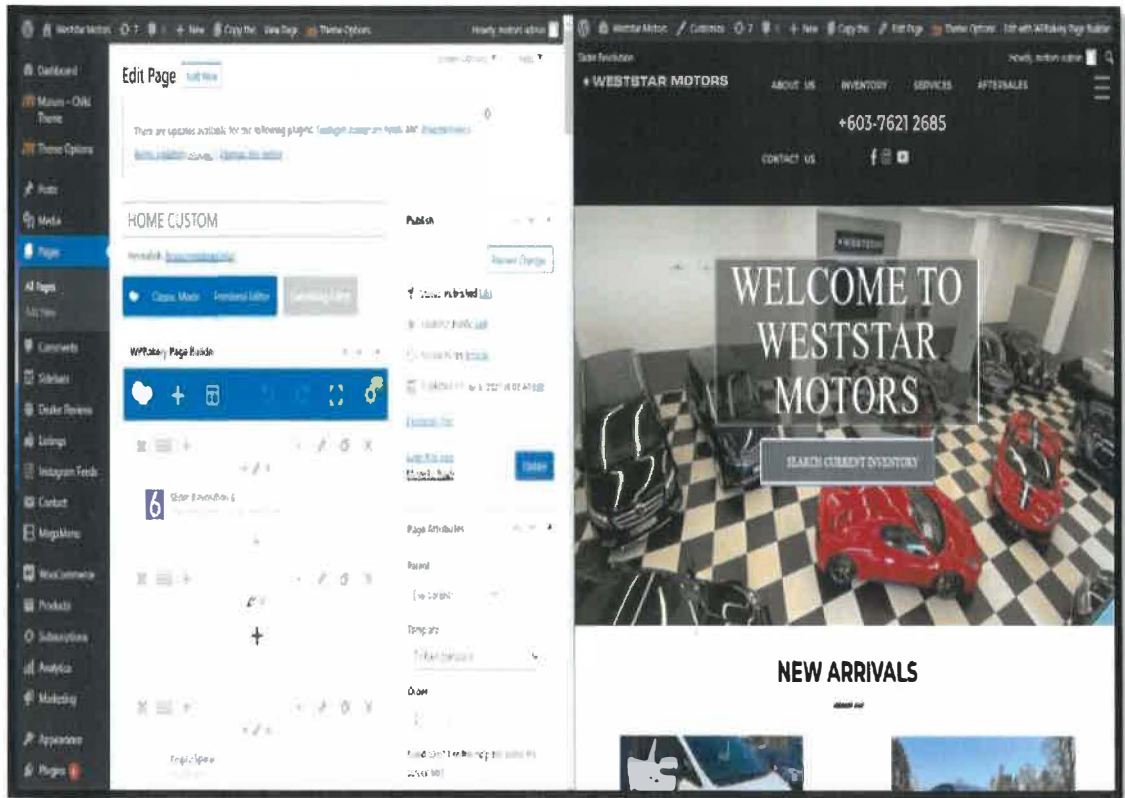


Figure 30: WordPress's Page for Homepage

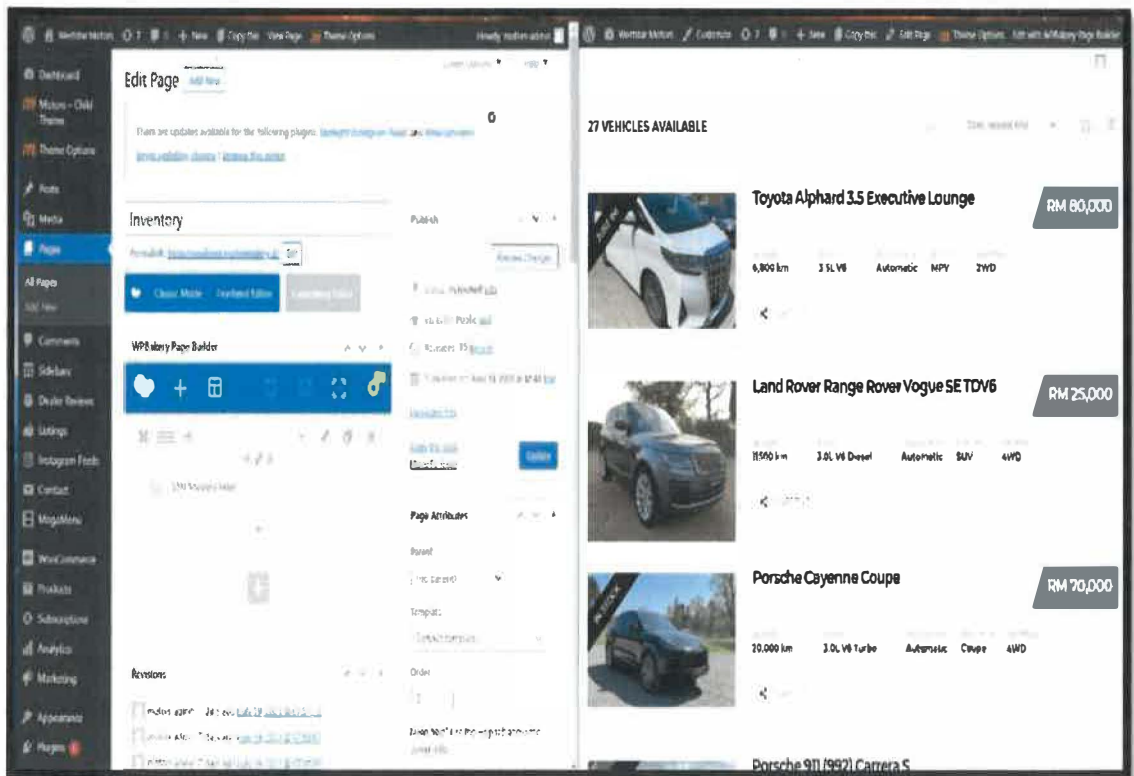


Figure 31: WordPress's Page for Inventory

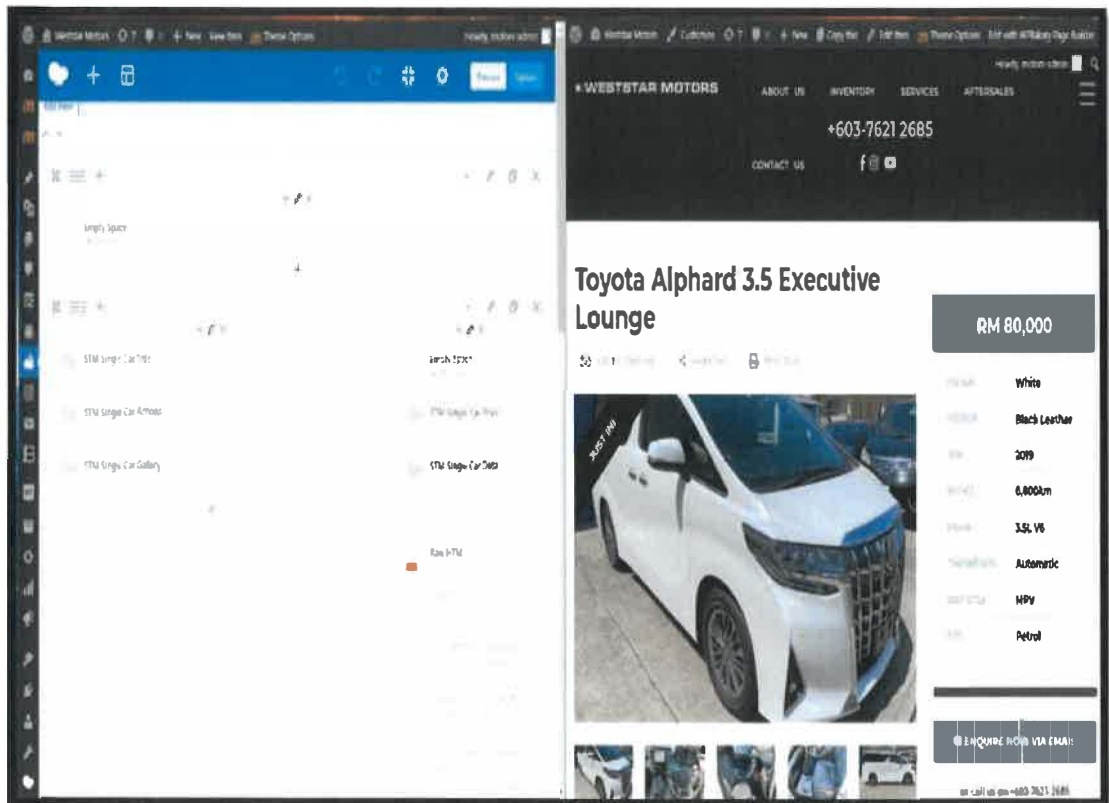


Figure 32: WordPress's Page for Single Car

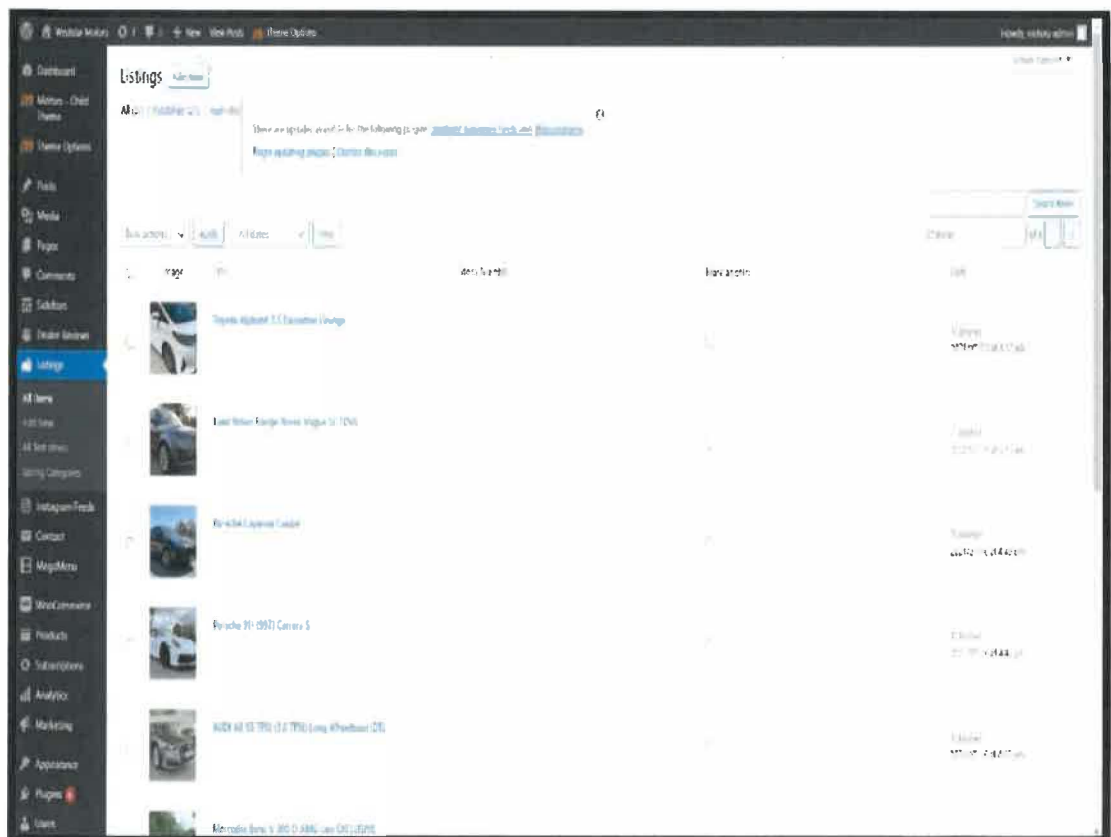


Figure 33: WordPress's Listing for Cars Detail

3.2.20.1 Specification

Table 9: System Specification

Tools	Usage
WordPress	To design basic element of website in order to put every element on appropriate place
	Styling website into more attractive design element by using made-up bootstrap
Plesk	Receiving data and store into each attribute

3.2.20.2 Testing

Testing is performed on the entire website in the context of either website requirement specifications, functional requirement specifications, or both. Website testing examines the website's design and functionality, as well as the customer's expectations.

Types of System Testing:

- Performance Testing

Performance testing was performed to assess the speed, scalability, stability, and dependability of the New Weststar Motors Website.

- Load Testing

Load testing was performed to assess the loading of the New Weststar Motors Website when exposed to high load.

- Scalability Testing

Scalability testing is a sort of software testing that examines the performance of a software application or web system in terms of its capacity to scale up or scale down the number of user request loads.

3.2.21 Maintaining the Information System

Maintenance is the longest stage in the process SDLC and the final stage in the system development life cycle, and it is used to manage any residual defects that may persist in the system after testing. A change made to a system to repair or improve its functionality is referred to as maintenance. Obtaining maintenance requests, converting requests into changes, designing changes, and implementing changes are the four key actions involved. Corrective maintenance, adaptive maintenance, perfective maintenance, and preventive maintenance are additional forms of maintenance.

- Corrective maintenance

Corrective maintenance is the modification of a system to correct defects in its design, code, or implementation. These modifications occur when there is a change in the design of the Data Flow Diagram as well as the interface.

- Adaptive maintenance

Adaptive maintenance is the process of making modifications to a system in order to adapt its functioning to changing business demands or technology. The New Weststar Motors Website serves as both a car inventory management system and a database system. This website's role is more systematic and efficient, acting as an autonomous registration of program and database system.

- Perfective maintenance

A perfective maintenance change is one that is performed to a system in order to introduce new features or enhance performance. When Weststar Motors makes a proposal or a request, perfective maintenance will be conducted. The recommendation or request can be made by filling out a form or by doing a user acceptability test. Because of the request, the programmer will take action.

- Preventive maintenance

Preventive maintenance is the modification of a system to prevent potential future issues. Problems must be avoided since they will generate problems for Weststar Motors. Our team has limited authorized access to the New Weststar Motors Website in this case. The new website will be fully accessible only to Weststar Motors. They must first register in order to utilize this system.

3.2.22 Obtaining Maintenance Request

There are three methods that we have developed to get the maintaining request.

1. **User Acceptance Test (UAT)**

After the web system has been tested, the users of this web system will offer suggestions for web system enhancement via UAT. The appropriate recommendation will be applied to the web system improvement that follows the resource compatibility.

2. **Group Meeting**

The group meeting is a technique of obtaining maintenance. The meeting will be scheduled for conversation with the customer in order to enhance the web system depending on the client's needs. The meeting's comments and recommendations will serve as a roadmap for project improvement

4.0 CHAPTER 4: CONCLUSION

4.1 Description of event/project/activity

In conclusion, after 5 months internship at Weststar Engineering Sdn Bhd, it gave me much experience on website development, made tender and dealing with client. I would like to mention that the staff and other internship students have been really helpful in completing my tasks, and having them for my team is a real joy. Doing industrial training on a large organization requires adhering to Standard of Procedures in order to minimize misunderstanding and waste of resources.

4.2 Application of Knowledge, Skills and Experience in Undertaking the Task

Wordpress

WordPress is commercial software that prioritizes accessibility, performance, security, and usability. It is excellent software that requires little setup and allows user to focus on freely sharing the narrative, product, or service. WordPress's core functionality is straightforward and predictable. It also has strong qualities for growth and success. I have learned many things using WordPress in my special project.

Plesk

Plesk is a web-based control panel that is gaining popular among web hosting providers. Plesk's easy configuration allows the web hosting company to manage hundreds of virtual hosts on a single server with ease. Webmasters may use Plesk to handle typical website management activities such as setting up mailboxes, creating FTP accounts, managing DNS auto responders, adding domains, managing files on domains, and creating MySQL. The Plesk control panel is often offered free of charge with all types of web hosting services, including shared, VPS, and dedicated hosting.

Sublime Text

Sublime Text is a cross-platform shareware source code editor that includes a Python application programming interface (API). It natively supports several programming and markup languages, and users may add functionalities using plugins, which are generally community-built and maintained under free-software licenses.

Xampp

Apache Friends created XAMPP, which is free and open-source software. Apache packages for Apache server, MariaDB, PHP, and Perl are included in the XAMPP software package. And it is essentially a local host or server. This local server is compatible with either a desktop or a laptop PC. XAMPP is used to test clients or websites before publishing them to a remote web server. This XAMPP server software provides a good environment for local testing of MYSQL, PHP, Apache, and Perl projects. I have used Xampp before in subject of System Analysis in Information Management for final year project of my degree and it easier for me to use Xampp in industrial training activities.

Flutter

Google's Flutter is an open-source UI software development kit. It is used to create cross-platform apps from a single codebase for Android, iOS, Linux, Mac, Windows, Google Fuchsia, and the web. Flutter's original version, codenamed "Sky," operated on the Android operating system. Dart is a programming language that will be used to build with Flutter. Google established the language in October 2011, although it has evolved significantly over the years. Dart is a front-end development language that may be used to construct mobile and online apps.

Tender

A tender is a submission made by a contractor in response to a request for proposals. It makes a proposal to supply goods or services. Tender documents are being prepared in order to seek offers. Tender documents should ideally be divided into a series of packages, each with its own set of product and process development that can be distributed to potential subcontractors by the main contractor. This makes it much easier for the contractor to price the tender and for the client to compare it to other tenderers. Last semester, I have assignment that similar with this experience which is me and my group need to make a tender in subject Information System Project Management and this reminds me when I helped Weststar Engineering staff to complete the tender.

4.3 Personal Thoughts and Opinion

4.3.1 Cooperation and Supportive

Working at Weststar Engineering Sdn Bhd is extremely exciting for me since we were given the opportunity to learn from our supervisor and other staff who had more experience with each work allocated to us. They are extremely nice to speak with and have been quite supportive to me during my internship. Not only are the other internship students nice to me, but so are the staffs from different departments, especially during MCO.

4.3.2 Real Working Environment

Throughout my internship, they treat me the same as other workers and require me to follow the Standard of Procedures. This is unique for me since I have prior experience in a working environment, which has provided me with understanding of industrial working. Before beginning any project, our supervisor, Mr Aizad, will inform us on what we would be doing. When an issue arises, a support ticket will be forwarded to support staff for acknowledgement and look for solution.

4.4 Lesson Learnt

4.4.1 Time Management

Managing time for each work is an important lesson in industrial training since I need to build my own schedule to complete the task that assigned to me. Aside from that, respect for other people's time is essential because not every staff has enough time to spend. As a result, I must be punctual for every online meeting and presentation in order to prevent wasting time. Every staff and internship student must scan their office tag every morning and evening as a record of attendance.



Figure 34: Office Tag

4.4.2 Skills Learnt

Many skills have been taught to me through industrial training, the first is the ability to speak with a variety of people and titles. Communication is part of the training task since I needed to communicate with staff from different departments, meet with clients, and present to my project's client. To feel more at ease, I need to be variation on my approach to them to feel more comfort.

4.5 Limitations

My laptop's performance was a limitation during my internship. Programming and tender tasks require the use of a high-performance laptop since I will be using various software programs at the same time, as well as many browser tabs. This issue may cause time to be used when completing a project, as well as when presenting or meeting. It may take up to 5 minutes for a response. Gladly when I was asked to work from home, I was using my other computer which has a better performance than my laptop to do my task. Other than that, there are too many new projects while the previous ones are still unfinished, and my working time is rather limited because it is often necessary for us to work overtime to accomplish anything when the deadline is approaching.

4.6 Recommendations

My recommendation to the company is to recruit more staff than internship students so that all tasks may be completed on time. Then, when it comes to IT, they should give superior equipment since not only do we need to improve timing for development, but a good machine will also provide good results. This will guarantee that the project runs smoothly and efficiently. Furthermore, management should carefully arrange working hours for industrial training because having to confront overtime working hours may be exhausting and demanding, especially if traveling is included in some of the projects.

References

- Administrator, P. N. H. (2019, November 21). *What Is vSphere? An Introduction to VMware's Virtualization Platform*. New Horizons Worldwide.
<https://www.newhorizons.com/article/what-is-vsphere-an-introduction-to-vmware-virtualization-platform>
- Compete 366. (2018, June 17). *What is Microsoft Teams and who should be using it?*
<https://www.compete366.com/blog-posts/microsoft-teams-what-is-it-and-should-we-be-using-it/>
- Computer Hope. (2020, April 30). *What is Dreamweaver?* Dreamweaver.
<https://www.computerhope.com/jargon/d/dreamweaver.htm>
- Crello. (2021). *Crello a Free Graphic Design Software with 50,000+ Free Templates*.
<https://crello.com/>
- Crello Help Center. (2021, July 17). *What is Crello?* <https://support.crello.com/hc/en-us/articles/360025475473-What-is-Crello->
- Editorial Staff & About the Editorial Staff. (2021, May 18). *6 Important Reasons Why You Should Use WordPress for Your Website*. WPBeginner.
<https://www.wpbeginner.com/why-you-should-use-wordpress/>
- Ellice. (2019, July 22). *Why Should I Use WordPress? 12 Reasons - DreamHost*. Website Guides, Tips & Knowledge. <https://www.dreamhost.com/blog/why-use-wordpress/>
- Ganesan, P. (2021, June 23). *What is XAMPP and How to Install XAMPP on your Local Computer?* WPBlogX. <https://wpblogx.com/what-is-xampp/>
- McCoy, L. (2020, June 18). *Microsoft Azure Explained: What It Is and Why It Matters*. CCB Technology. <https://ccbtechnology.com/what-microsoft-azure-is-and-why-it-matters/>
- MDAhosting. (2021). *What is Plesk? What Is It Used For?*
<https://www.mdahosting.com/what-is-plesk/>
- Posey, B., & Walat, T. (2017, November 21). *VMware vSphere*. SearchVMware.
<https://searchvmware.techtarget.com/definition/VMware-vSphere>

- Romans International. (2021). *Supercar Dealers UK | Performance Car Dealers*.
<https://www.romansinternational.com/current-stock/>
- Safz Auto Sdn Bhd. (2021). *Weststar Motors*. Weststar Motors.
<https://weststarmotors.com.my/>
- Schäferhoff, N. (2021, March 3). *Dreamweaver Tutorial*. WebsiteSetup.
<https://websitesetup.org/dreamweaver-tutorial/>
- Sectorlink. (2019, March 4). *What is Plesk and why would I want to use it?*
<https://www.sectorlink.com/article/what-is-plesk-and-why-would-i-want-to-use-it>
- Taylor, C. (2021, April 21). *14 Reasons Why You Need To Update Your Website*.
Granite 5. <https://www.granite5.com/insights/14-reasons-why-you-need-to-update-your-website/>
- The Weststar Group. (2005). *Home*. <https://weststar.com.my/main/>
- The Weststar Group. (2018). *The Weststar Group*. Weststar Motors.
<https://www.weststar.com.my/twg/twg2/wmotors.php>
- ThemeForest. (n.d.). *Car Dealer HTML Website Templates from ThemeForest (Page 3)*. <https://themeforest.net/category/site-templates?page=3&term=car%20dealer#content>
- Thomas, G. (2019, December 12). *What is Flutter and Why You Should Learn it in 2020*. FreeCodeCamp.Org. <https://www.freecodecamp.org/news/what-is-flutter-and-why-you-should-learn-it-in-2020/>
- Weststar Aviation. (2021). *Weststar Aviation*. <https://www.weststar-aviation.aero/index.php>
- Weststar Engineering Sdn. Bhd. (2020). *Weststar Engineering Sdn Bhd - Information Technology Company*. Weststar Engineering. <https://www.weststar-engineering.com/index.html>
- Weststar Maxus. (2021). *Weststar Maxus Official Website*. Weststar Maxus.
<https://weststarmaxus.com/index.php>

Appendices



Izzatul Adilah Binti Aziz

PERSONAL INFORMATION

IZZATUL ADILAH BINTI AZIZ
B3-07-25, Jalan Permai 5, Desa Lembah Permai, Lembah Jaya Utara, 68000 Ampang, Selangor
013-2157598 | izzatuladilah77@gmail.com

RELATED SKILLS

Microsoft Office	● ● ● ● ●
Adobe Acrobat	● ● ● ● ●
Adobe Dreamweaver	● ● ●
PHP / HTML	● ●
WordPress	● ● ● ●
Programming C++	● ●
Canva	● ● ● ● ●
Video Editing	● ● ● ● ●
Time-management	● ● ● ● ●
Team-player	● ● ● ● ●
Self-motivation	● ● ● ● ●
Stress handling	● ● ● ● ●
Adaptability	● ● ● ● ●
Ability to work under pressure	● ● ● ● ●

REFERENCES

Puan Khairiah Binti Azizi | *Kaharun Academic Advisor*
Faculty of Information Management
Universiti Teknologi Mara Machang
019-3865780 | khairiah20@uomachang.my

Enche Mohd Azrul Faiz bin Osman | *Lecturer*
Faculty of Information Management
Universiti Teknologi Mara Machang
019-3788494 | eazrul@uomachang.my

OBJECTIVE

Possess a Bachelor of Information Science (Hons.) Information System Management. Highly motivated, adaptable and very well-organizes to achieve goals with proven record in academic. Seeking opportunities to leverage knowledge and people skills with the aim to add value and significant contribution to the organization.

WORK EXPERIENCE

Internship

Weststar Engineering Sdn Bhd (2021)

- Programming
Upgraded Weststar Motors website using WordPress (In Progress)
- Tender
Help admin executive to prepare documentation and photocopy

EDUCATION BACKGROUND

Bachelor's Degree

Bachelor of Information Science (Hons.) Information System Management
Universiti Teknologi Mara Machang (2019 - 2021)
CGPA : 3.31 / 4.00

Diploma

Diploma in Information Management
Universiti Teknologi Mara Segamat (2016 - 2018)
CGPA : 2.63 / 4.00

ACHIEVEMENTS

VIC 2020 Project

Developing a 'Rating Thing' (rating service system) for Virtual Innovation Competition 2020 (VIC2020) and has been rewarded bronze award.