



## **WBL Project - Report**

**<AK Maju Resources Management System>**

**System Development & Technology (SECP3723)**

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**Section 01**

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## **1.0 Company/Client Background**

AK Maju Resources Sdn. Bhd., incorporated on April 9, 2014, in Segamat, Johor, Malaysia, is a versatile business specializing in a wide range of printing and advertising services. Their expertise spans various printing methods, including offset, inkjet, and digital printing. They offer an extensive array of products, such as stickers, banners, wedding cards, promotional items, and more.

In addition to their printing services, AK Maju Resources Sdn. Bhd. also provides ironworks, signage and signboard production, air conditioning services, and event equipment rental. Notably, they have established a partnership with JKR (Jabatan Kerja Raya Malaysia) to offer quotation assistance for a variety of services and projects, using the price rate list quoted by JKR.

AK Maju Resources Sdn. Bhd. is known for being a dependable partner for a wide range of printing and service requirements. They are dedicated to delivering outstanding printing and fabrication services, and their collaboration with JKR allows them to contribute to government projects through joint ventures



Figure 1.0 Organization chart of AK Maju

## **2.0 Problem Background**

AK Maju Resources faces significant operational challenges stemming from its manual business management system, resulting in delays, inefficiencies, and inaccuracies that hinder its competitiveness in a dynamic market environment. For example, as stated by Encik Azam, the current manual system needs about two weeks to process the order. Addressing these critical issues is crucial for the company's continued growth and success.

List of problem statement:

1. Manual business ordering management system causing delays and inefficiencies in operations.
2. Challenges in accurate cost calculation and pricing due to a lack of an integrated system.
3. Inadequate customer response times and delays in providing timely quotations.
4. Inefficient inventory management resulting in delays and disruptions in the supply chain.
5. Potential data inaccuracies and errors arising from the manual recording process.
6. Lack of streamlined processes affecting overall workflow efficiency and customer satisfaction.
7. Absence of a comprehensive system hindering the company's ability to compete effectively in the market.
8. Limited scalability and adaptability for future business expansion and diversification.

### **3.0 Proposed Solution**

Our team has decided to propose a website-based system named AK Maju Resources Management System (AKMMS), allowing more seamless workflow, minimizing manual operations with time-saving and reducing error rate. The AKMMS developed will be consisted of several modules as followings:

- User Management Module:

The User Management Module within AKMMS empowers the admin to efficiently oversee user activities and permissions. Through this module, the admin can add, manage, delete, and edit user profiles, as well as approve staff for system access. Robust user management functionalities ensure streamlined access control and enhanced security measures, enabling precise monitoring and regulation of user interactions within the system.

- User Authentication Module

AKMMS integrates a secure and reliable User Authentication Module that facilitates seamless and protected access for authorized users. This module allows users to sign in and manage their passwords securely. With a stringent authentication process and user-friendly sign-in mechanisms, the User Authentication Module ensures the confidentiality and integrity of user data, providing a safe and efficient user experience.

- Customer Management Module

The Customer Management Module within AKMMS serves as a centralized platform for managing customer relationships and interactions. This module allows users to store and organize comprehensive customer data, including contact information, purchase history, and communication records. Users can efficiently add new customers, update existing customer profiles, and categorize customers based on various criteria such as demographics, purchasing behavior, or sales territory. By providing a holistic view of customer information and facilitating targeted marketing and customer service efforts, the Customer Management Module enhances customer engagement and retention. Additionally, the module supports the generation of customer reports and analytics, enabling data-driven insights into customer preferences, trends,

and behavior patterns. With robust customer management functionalities, the Customer Management Module empowers businesses to build strong customer relationships and drive long-term success.

- Inventory Management Module

The Inventory Management Module implemented within AKMMS streamlines the handling of inventory-related operations, including stock tracking, updates, and replenishment. This module enables automated inventory updates, efficient stock deduction, and real-time monitoring of stock levels. By providing comprehensive insights into inventory status and facilitating swift restocking procedures, the Inventory Management Module ensures optimal inventory control and minimizes operational disruptions.

- Reporting Dashboard Module

AKMMS incorporates a comprehensive Reporting Dashboard Module that offers insightful and interactive monthly reports, enabling comprehensive data analysis and performance tracking. It can efficiently track and manage comprehensive customer information and facilitate data export in Excel format. This module facilitates the visualization of key performance indicators, sales trends, and inventory insights, empowering data-driven decision-making and strategic planning. With intuitive data representations and customizable reporting options, the Reporting Dashboard Module enhances business intelligence and facilitates informed decision-making processes.

- Quotation Module

The Quotation Module integrated within AKMMS provides a streamlined platform for generating and managing professional quotations for advertising and construction. This module enables efficient quotation generation, customized pricing calculations, and seamless delivery to clients. With user-friendly quotation management functionalities and automated quotation generation processes, the Quotation Module ensures prompt and accurate responses to customer inquiries, fostering enhanced customer satisfaction and improved sales efficiency.

- Order Management Module

The Order Management Module within AKMMS streamlines the entire order lifecycle, offering functionalities for status tracking, payment management, and order processing. Users can efficiently manage order statuses, track order progress, and update payment details, ensuring timely order fulfillment and customer satisfaction. The module enables users to add and update customer payments, input payment amounts, and verify payment status, while also allowing for the upload of proof of payment documents. With robust payment tracking, editing, and reporting capabilities, the Order Management Module enhances operational efficiency and facilitates transparent payment management processes, contributing to streamlined order processing and improved financial management.

- Invoicing Module

The Invoicing Module integrated within AKMMS streamlines the invoicing process, enabling the automated generation of professional invoices. This module facilitates seamless invoicing procedures, precise record-keeping, and efficient management of customer invoices. By automating invoicing processes and ensuring accurate record-keeping, the Invoicing Module enhances operational efficiency and customer satisfaction, fostering streamlined transactions and improved financial management.

- Delivery Order Module

The Delivery Order Module integrated within AKMMS streamlines the generation of professional delivery orders, ensuring efficient and accurate order fulfillment and shipment tracking. This module automates the delivery order creation process, incorporating essential details such as item codes, item descriptions, quantities, delivery order numbers, and delivery dates. By enabling the systematic recording and tracking of delivery orders, the Delivery Order Module ensures seamless logistics management and facilitates transparent communication with customers, fostering enhanced order processing and customer satisfaction.

## **4.0 Development Approach**

Our team has followed the System Development Life Cycle (SDLC) in developing the AK Maju Resources Management System (AKMMS) to ensure the success of the project and fulfill the requirements of the stakeholder, which is AK Maju Resources Sdn. Bhd. There are 7 phases covered in this development approach, beginning with project planning, requirements gathering, system design, implementation, system testing, maintenance, and lastly system deployment.

First and foremost, the planning stage is the first in the development strategy. Here, our group attended Industry Day 1 and was given information about the project from the CEO of the company, Encik Azam. During the meeting, Encik Azam has mentioned the requirements of the proposed web-based system and their current work flow in managing the business. We have jotted down all the important points and have analyzed them to determine the project objectives and scopes. After the meeting, we have a group discussion via Google Meet to plan our project and the outputs are Gantt chart, work breakdown structure, timing diagram, and role division. Besides, we also have some further discussion on the problem statements in the existing system and the proposed solution to solve the problem.

After that, the phase followed by gathering the project requirement. Even though we have met the stakeholders on Industry Day 1, we still needed more information regarding the system needed by them. Therefore, our group has discussed and listed all the questions in a Google Docs. Later, we messaged the manager of AK Maju, Puan Siti, to have an online interview with her via WhatsApp. She had answered all of our questions one by one and explained further to us about the actual needs of their company. Furthermore, our lecturers have opened a project group in WhatsApp also to let us get the latest information from the stakeholders. After gathering all the requirements, either functional or non-functional, we have come out with our proposal and system specification document (SRS).

Next, the system design phase involves creating a detailed blueprint for the system. This includes developing a system architecture, various UML diagrams, and also entity relationship

diagrams (ERD). The objective is to convert the project specifications into a concrete design that forms the basis of the ensuing implementation stage. Our group has used three-tier architecture in developing the system by dividing the system into 9 modules. We also designed the database in minimum 3rd normal form (3NF), drew the conceptual and logical diagram, and prepared the data dictionary as references. Then, we have done a documentation, system design document (SDD) to determine all the designs in the system.

Implementation, also known as the coding phase, is where the actual development of the system takes place. Our group has divided the modules, so each of us as the full stack developer writes codes based on the design specifications, integrating system components and conducting unit testing to ensure the functionality of individual modules. When one of the group members faced a problem, we would try our best to help him to overcome the challenges. In front-end development, we have implemented the online UI template, Bootstrap 5 framework, and Bootstrap icons to design and develop our website user interfaces. On the other hand, in back-end development, we have implemented the PHP script and MySQL to interact with the server and database respectively. We first developed it in the local hosting environment and then we connected to the server after finishing. As developing, we have controlled the version and collabed with team members using GitHub. This stage is essential for turning the design into a unified and workable software program.

Additionally, testing is an integral part of the development approach and comes after the implementation phase. Various testing phases, such as alpha testing, beta testing, and system testing, are conducted to identify and rectify defects and issues. User acceptance testing (UAT) ensures that the system meets user requirements and functions as intended. We have booked a day with AK Maju to carry out the demonstration and UAT to get their feedback and improvements to be done on the developed system. We also have prepared a user manual for the client to guide them through the web-based system.

When we got an error during the system testing, we would have a short discussion, debug, and solve the problem immediately. This maintenance phase encompasses ongoing support, addressing user feedback after the UAT, and making necessary improvements. For

example, we have been asked to add the bank information in the invoice by the company manager.

The final phase in the development approach is the deployment phase. After we have done all the maintenance and ensured it matches with the user requirements, we have introduced our proposed solution, AKMMS to the client, AK Maju during Industry Day 2. Our team leader has presented the main points and highlighted the special functionalities to Encik Azam. For the presentation, we have prepared a slide presentation to summarize the points.

## 5.0 System Design

### 5.1 Entity Relationship Diagram (ERD)

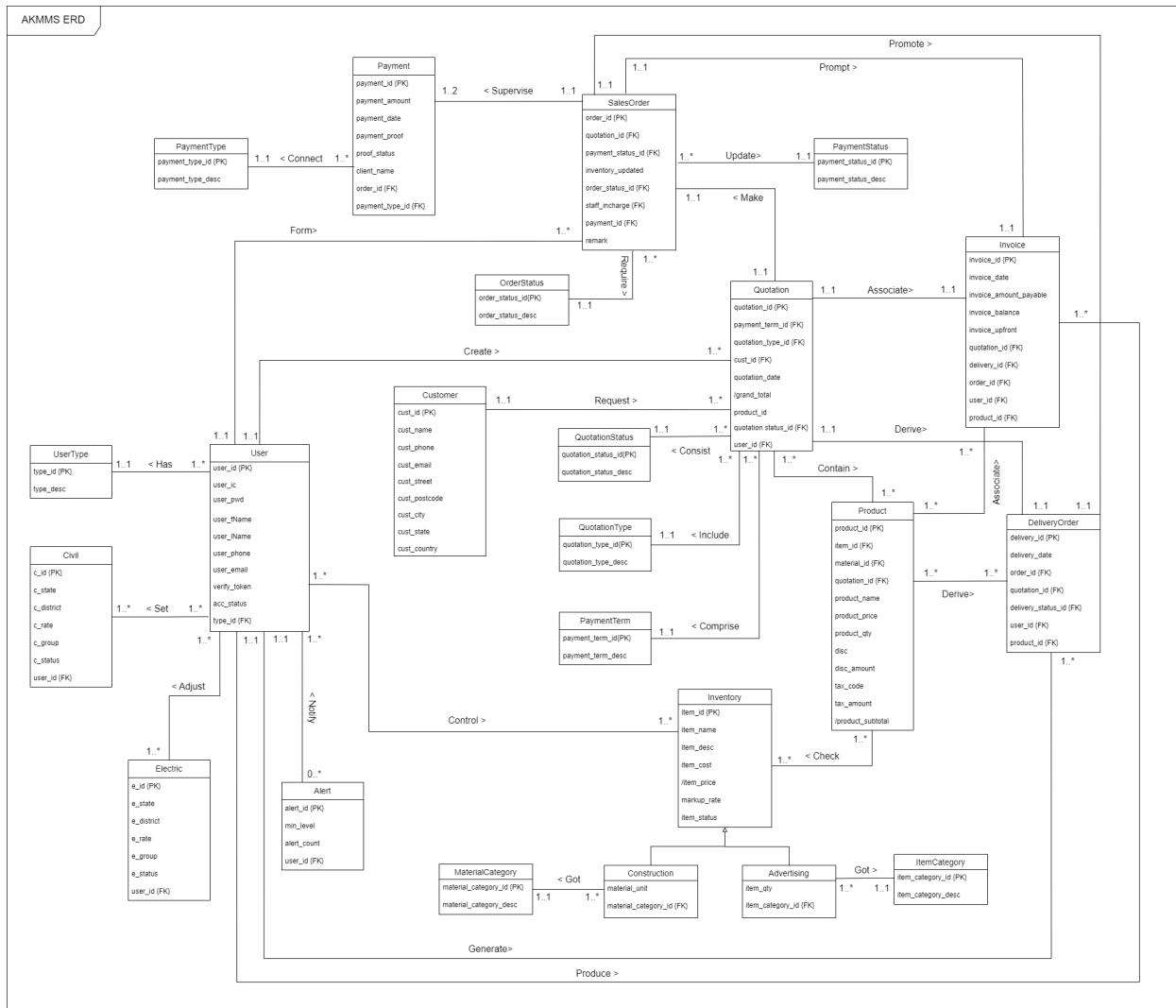


Figure 5.1 ERD

<https://drive.google.com/file/d/1gjf7nTlooeDQArlnZIdfl1opPWftLpBh/view?usp=sharing>

## 5.2 Use Case Diagram



Figure 5.2 Use Case Diagram

<https://drive.google.com/file/d/1Bqalvza1R8DzizIk9cs4Ck8Aw6Hq7wUj/view?usp=sharing>

## 5.3 Sequence Diagram

### 5.3.1 Module 1 User Authentication

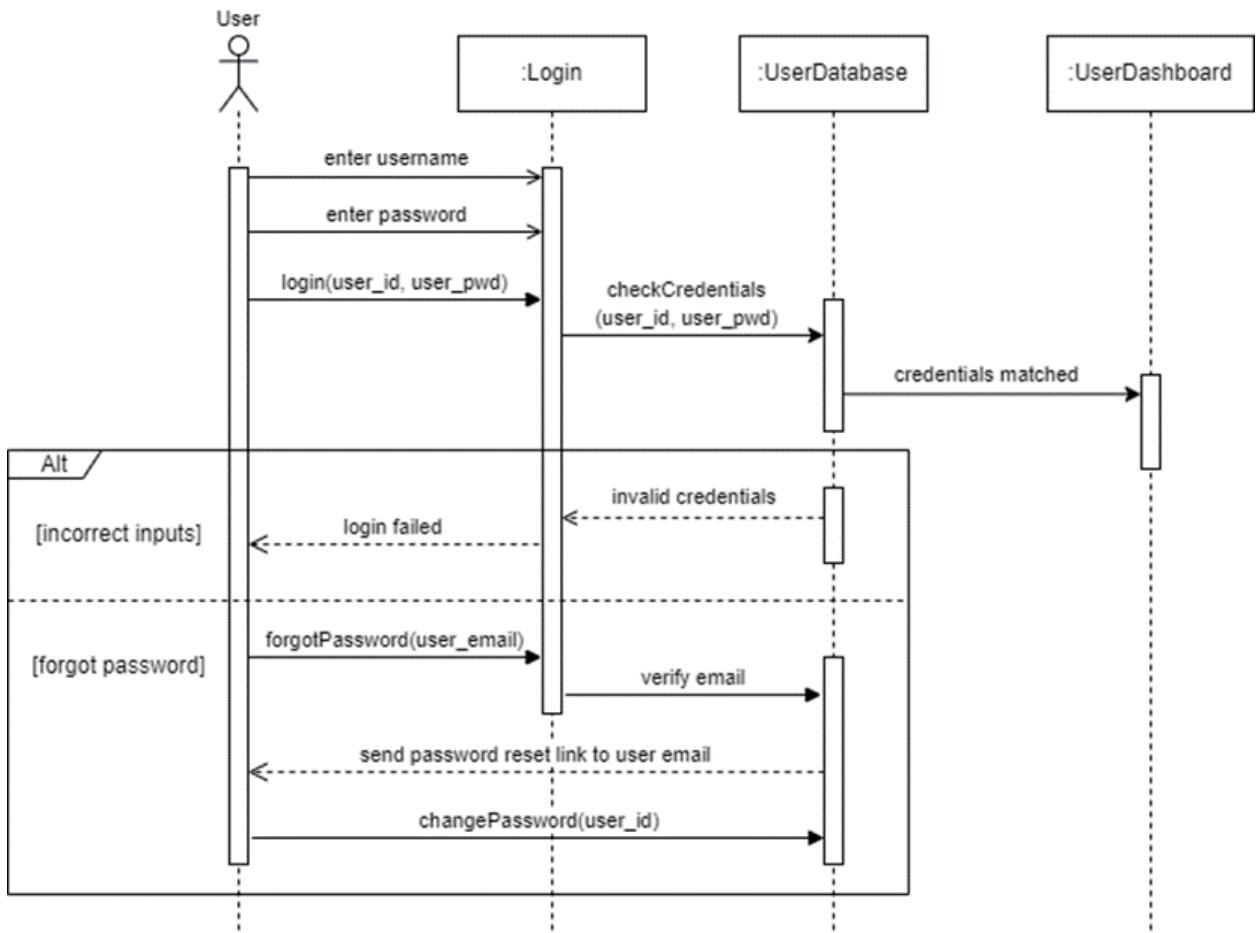


Figure 5.3.1.1 Sequence Diagram for <Login>

### 5.3.2 Module 2 User Management

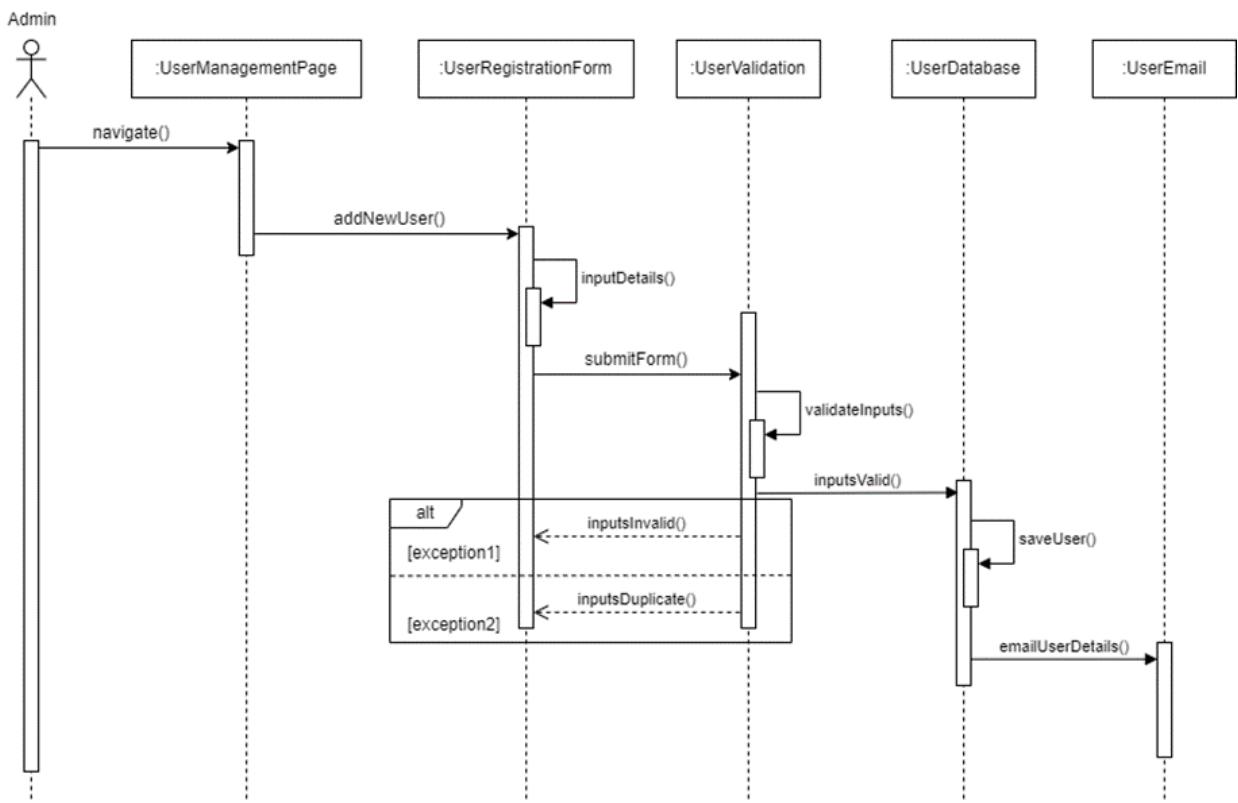


Figure 5.3.2.1 Sequence Diagram for <Add User>

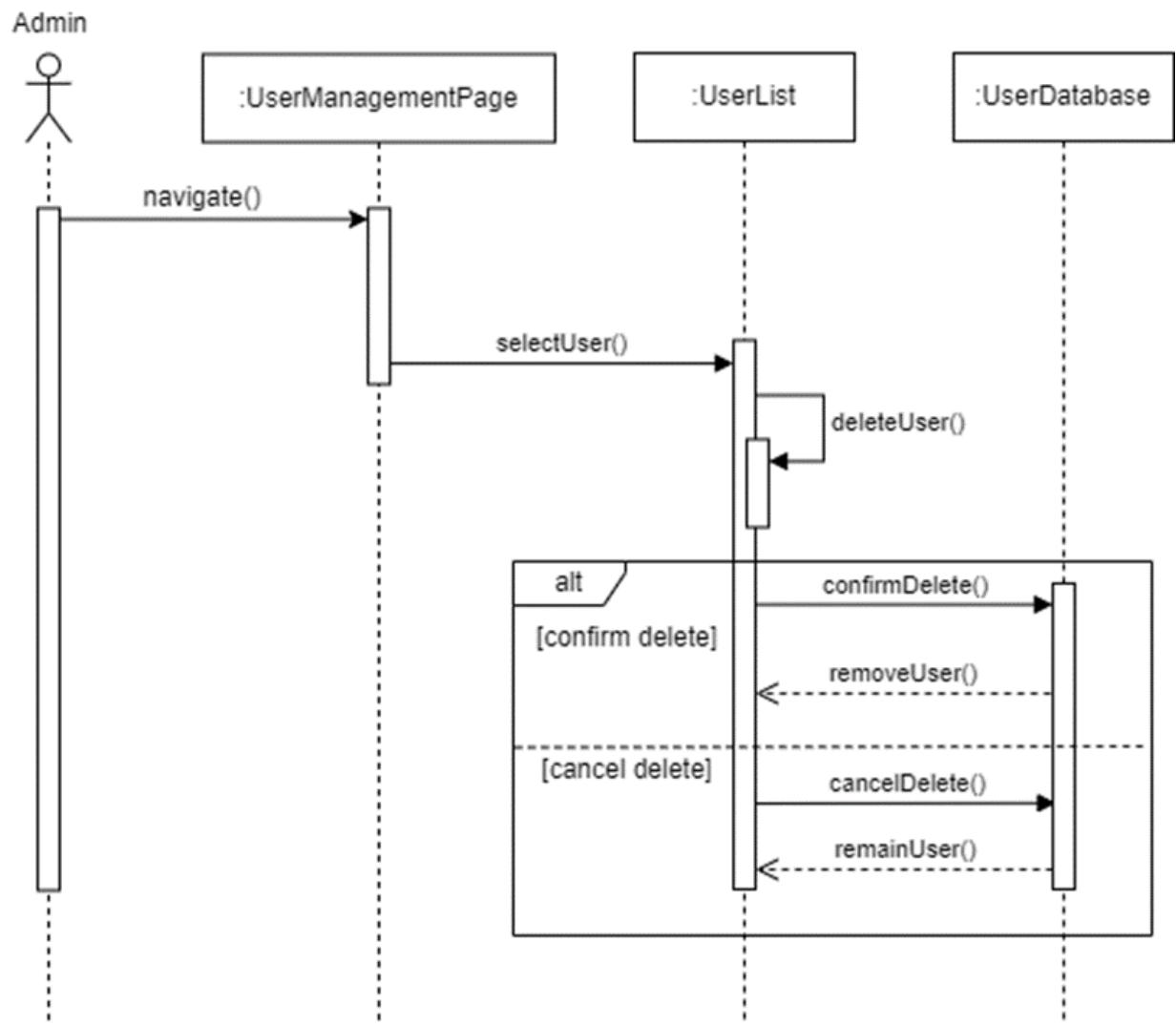


Figure 5.3.2.2 Sequence Diagram for <Delete User>

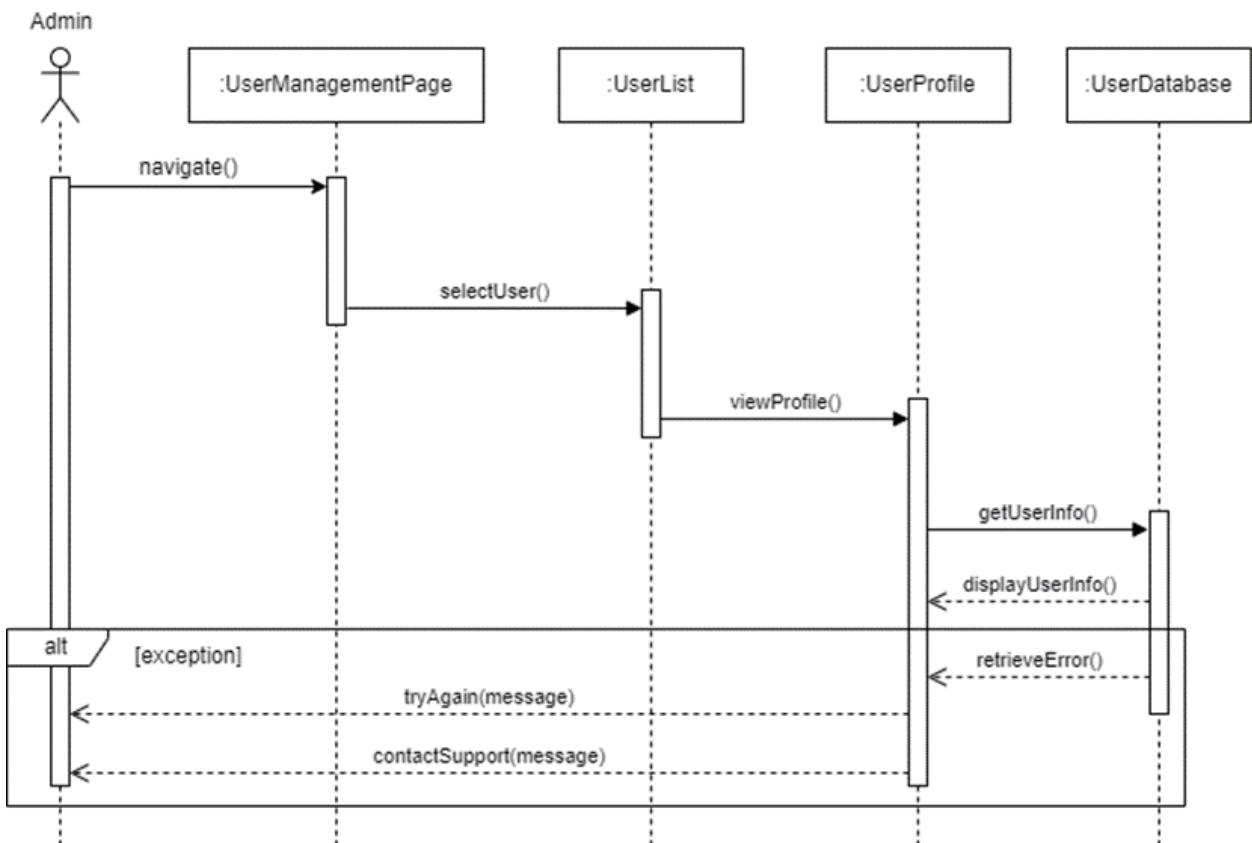


Figure 5.3.2.3 Sequence Diagram for <View User>

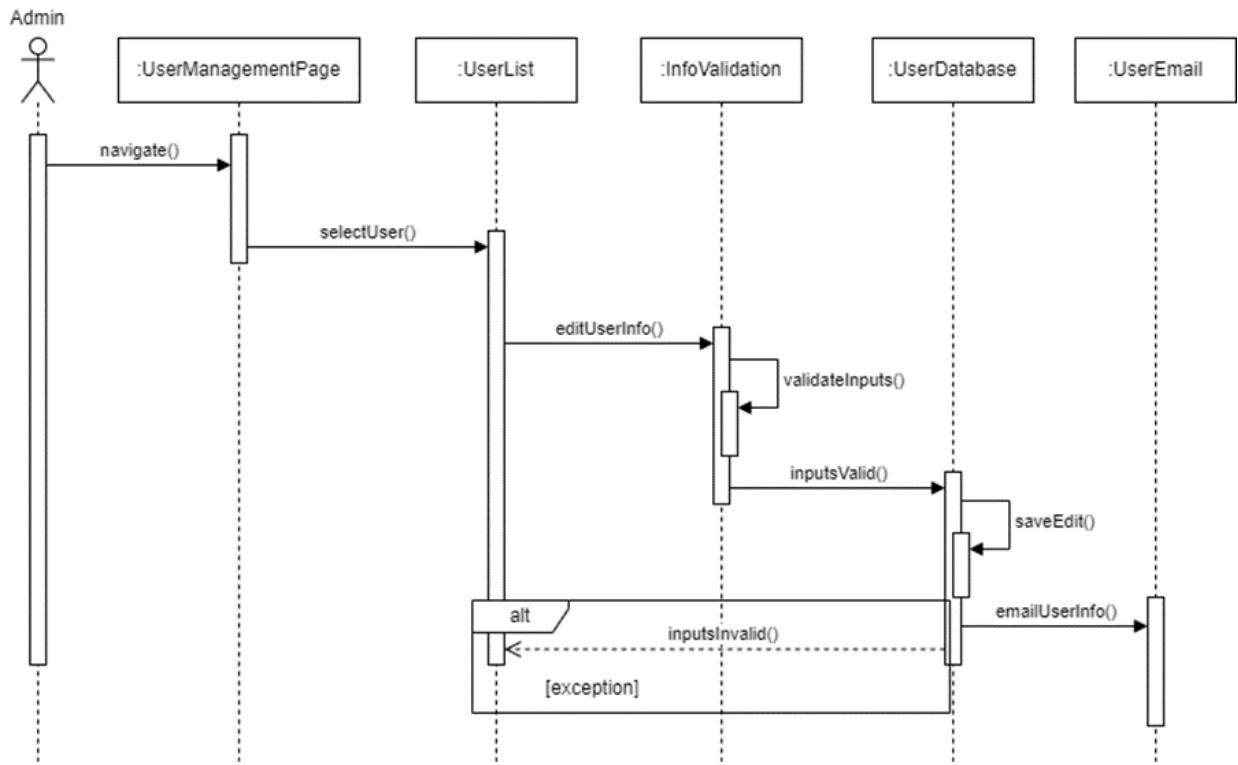


Figure 5.3.2.4 Sequence Diagram for <Edit User>

### 5.3.3 Module 3 Customer Management

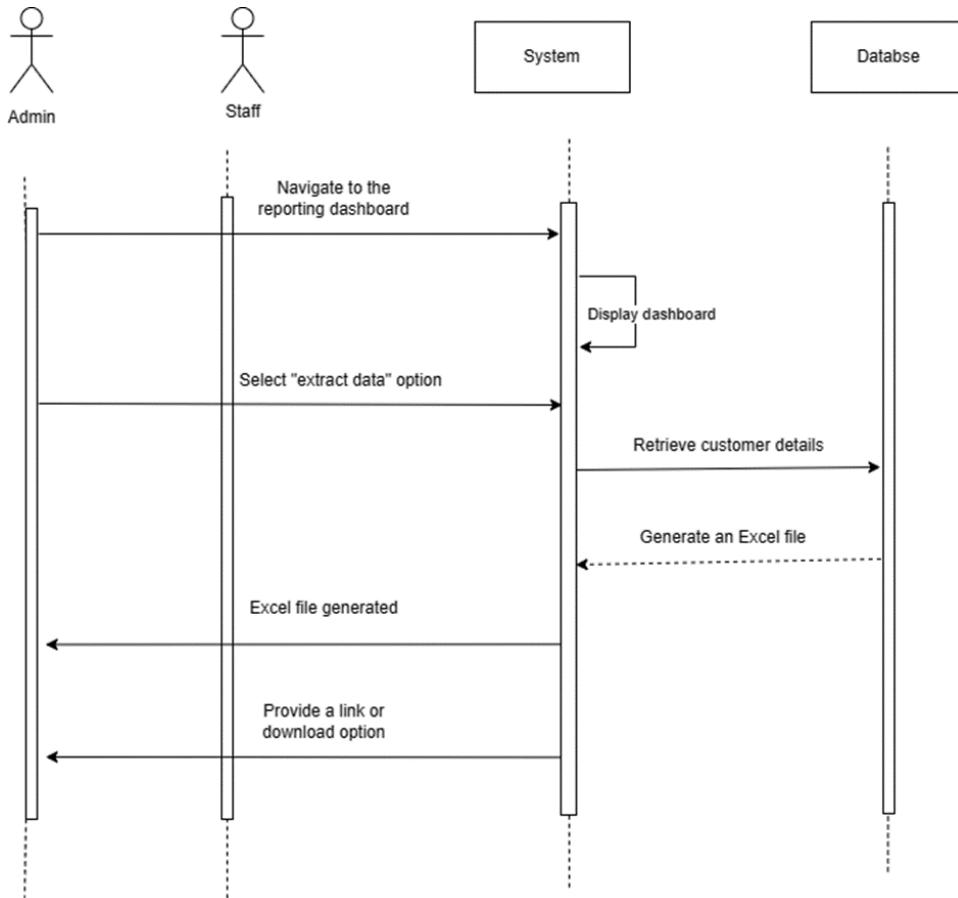


Figure 5.3.3.1 Sequence Diagram for <Manage Customer Data>

### 5.3.4 Module 4 Inventory Management

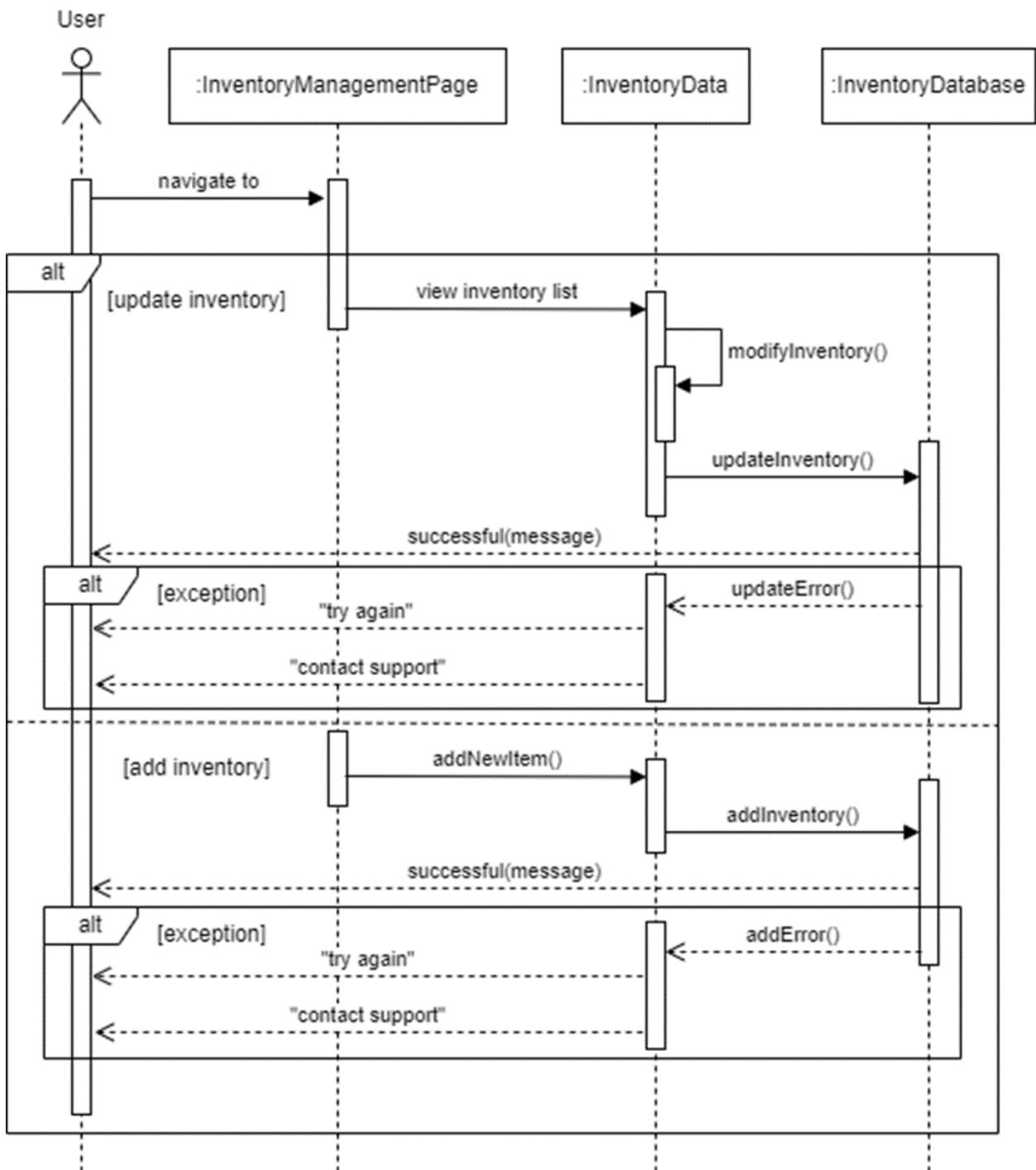


Figure 5.3.4.1 Sequence Diagram for <Manage Inventory>

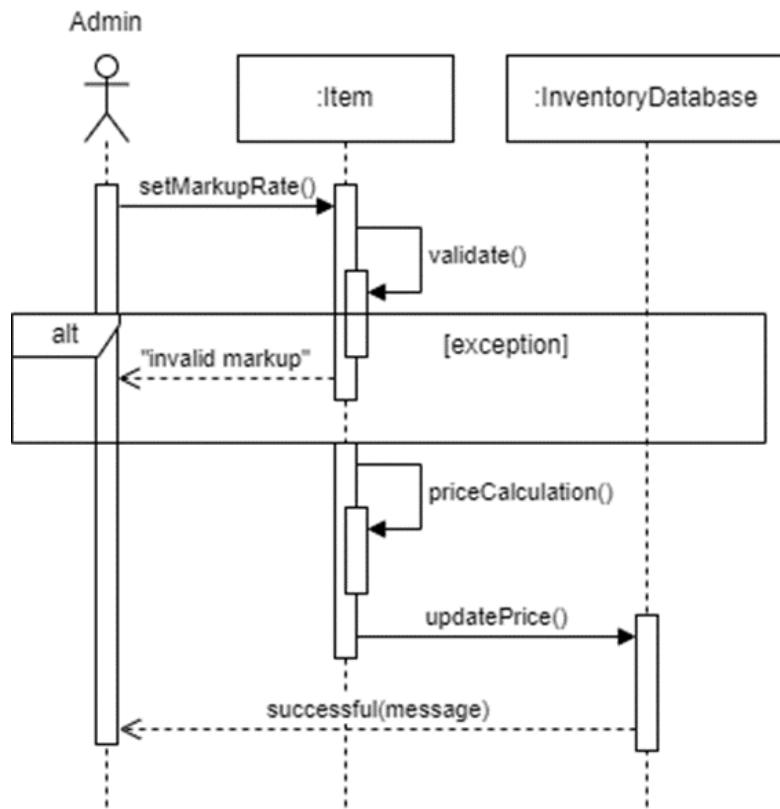


Figure 5.3.4.2 Sequence Diagram for <Adjust Markup>

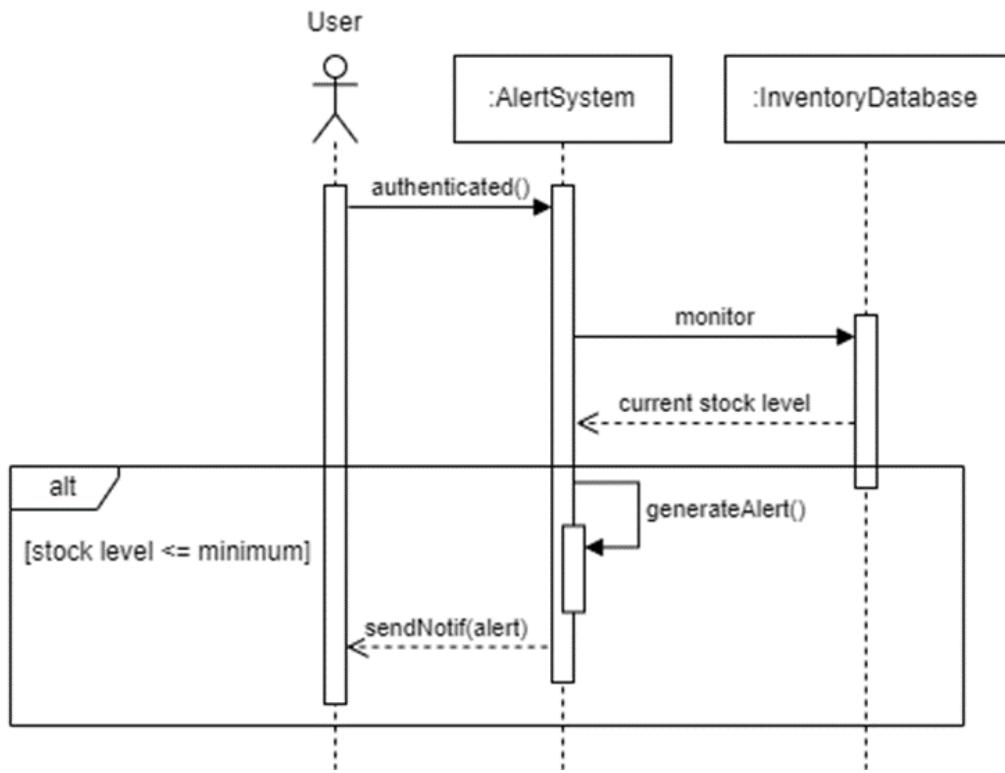


Figure 5.3.4.3 Sequence Diagram for <Get Alert> in scenario: stock level reaches the minimum threshold

### 5.3.5 Module 5 Quotation Management

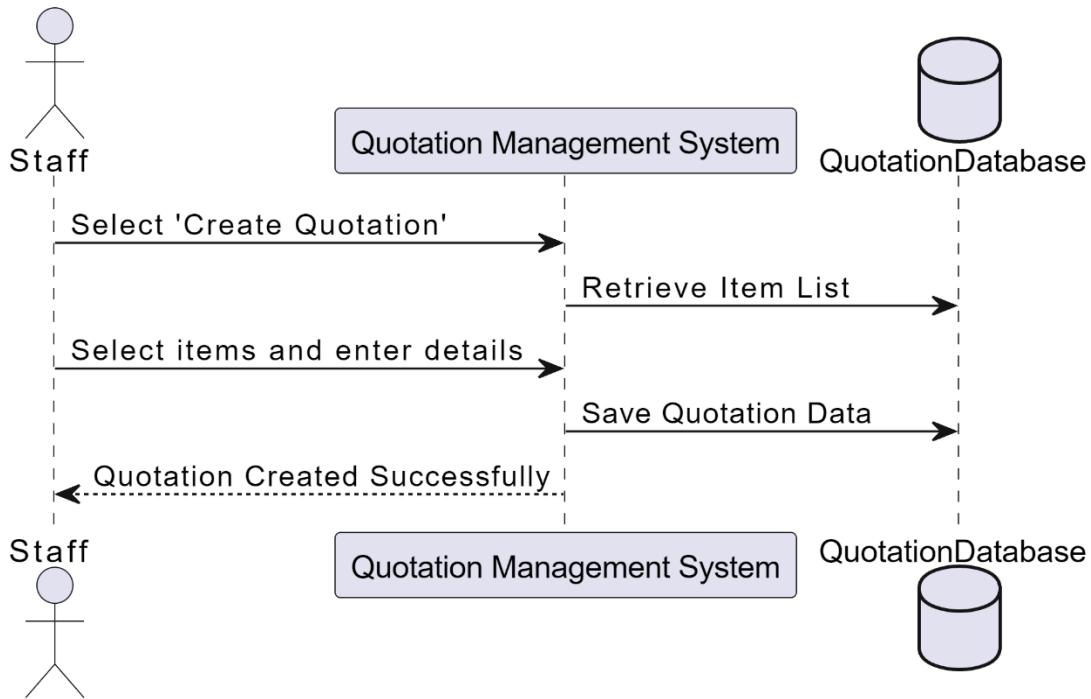


Figure 5.3.5.1 Sequence Diagram for <Create Quotation>

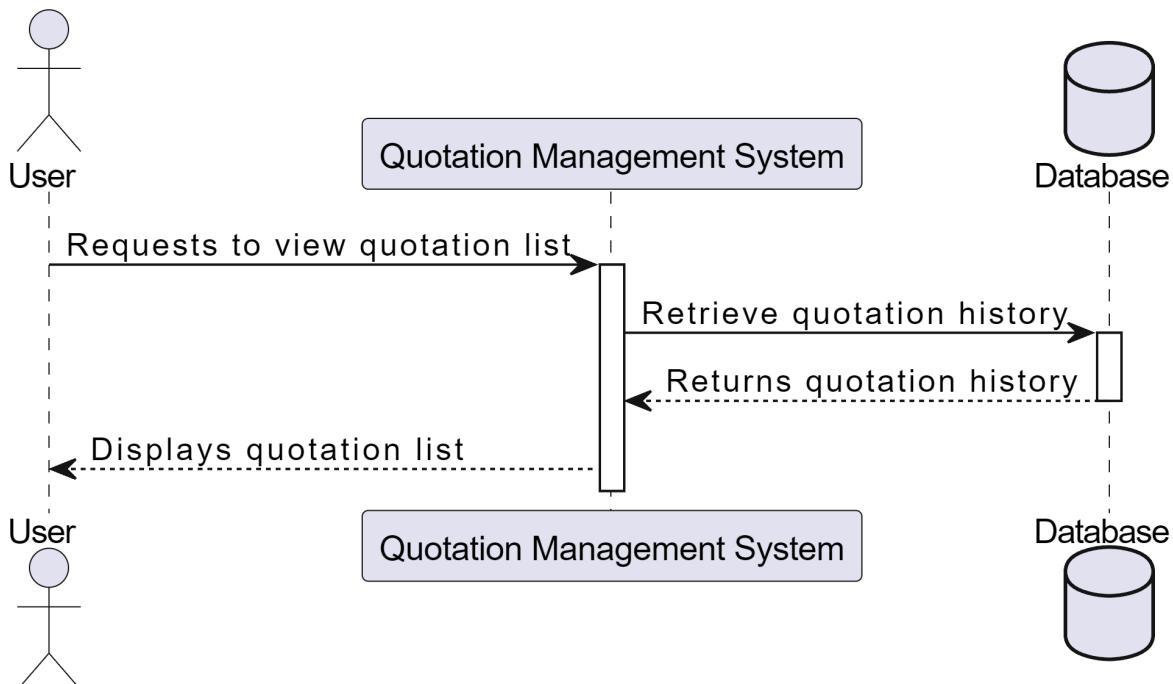


Figure 5.3.5.2 Sequence Diagram for <View Quotation List>

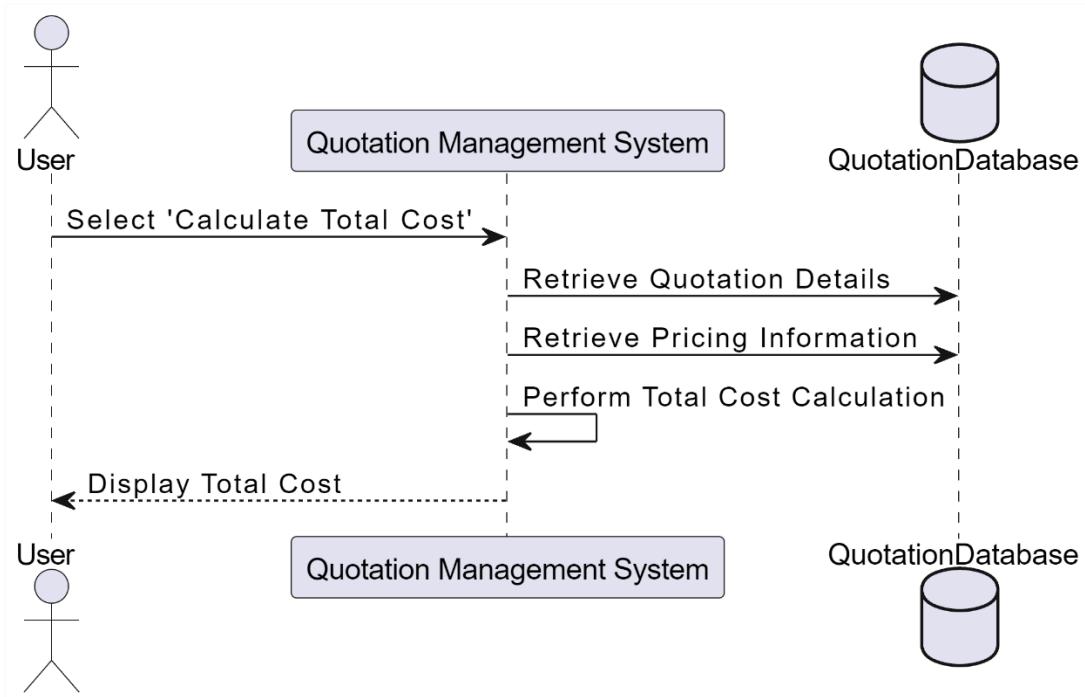


Figure 5.3.5.3 Sequence Diagram for <Calculate Total Cost>

### 5.3.6 Module 6 Order Management

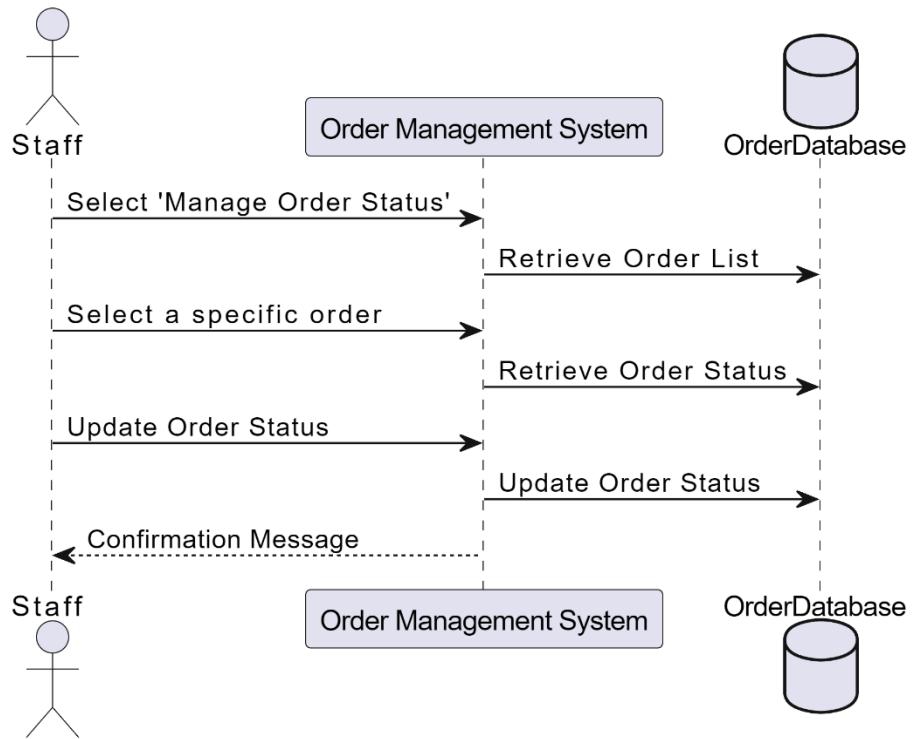


Figure 5.3.6.1 Sequence Diagram for <Manage Order Status>

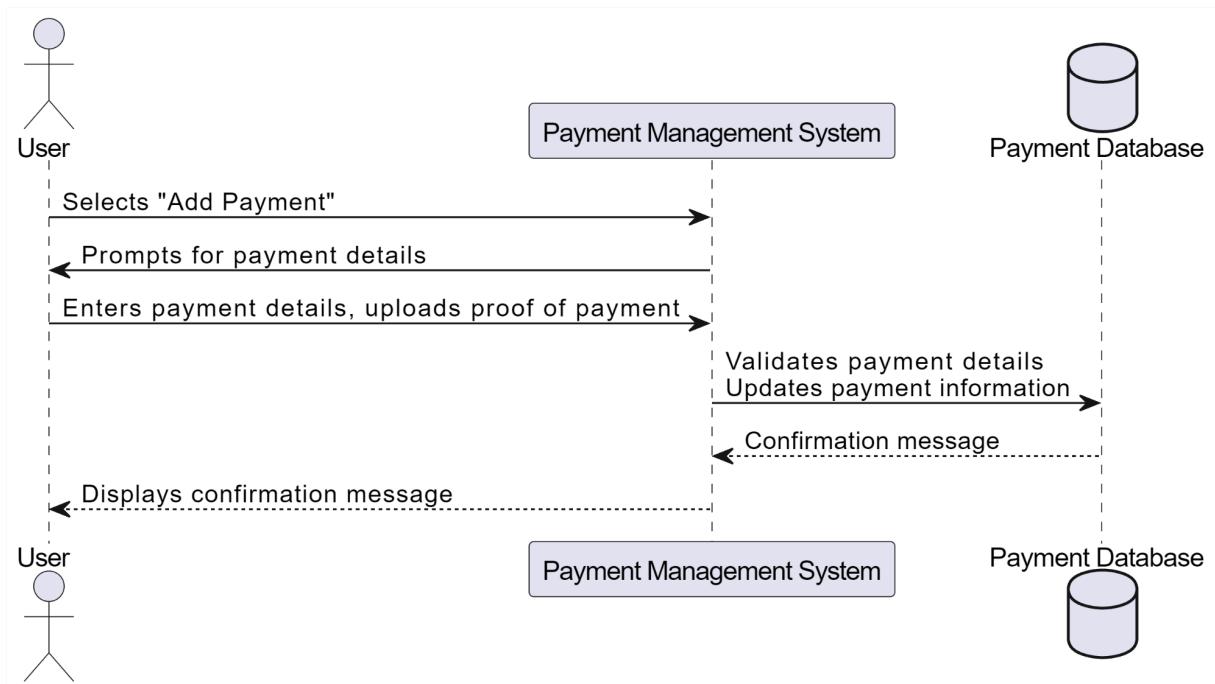


Figure 5.3.6.2 Sequence Diagram for <Add Payment>

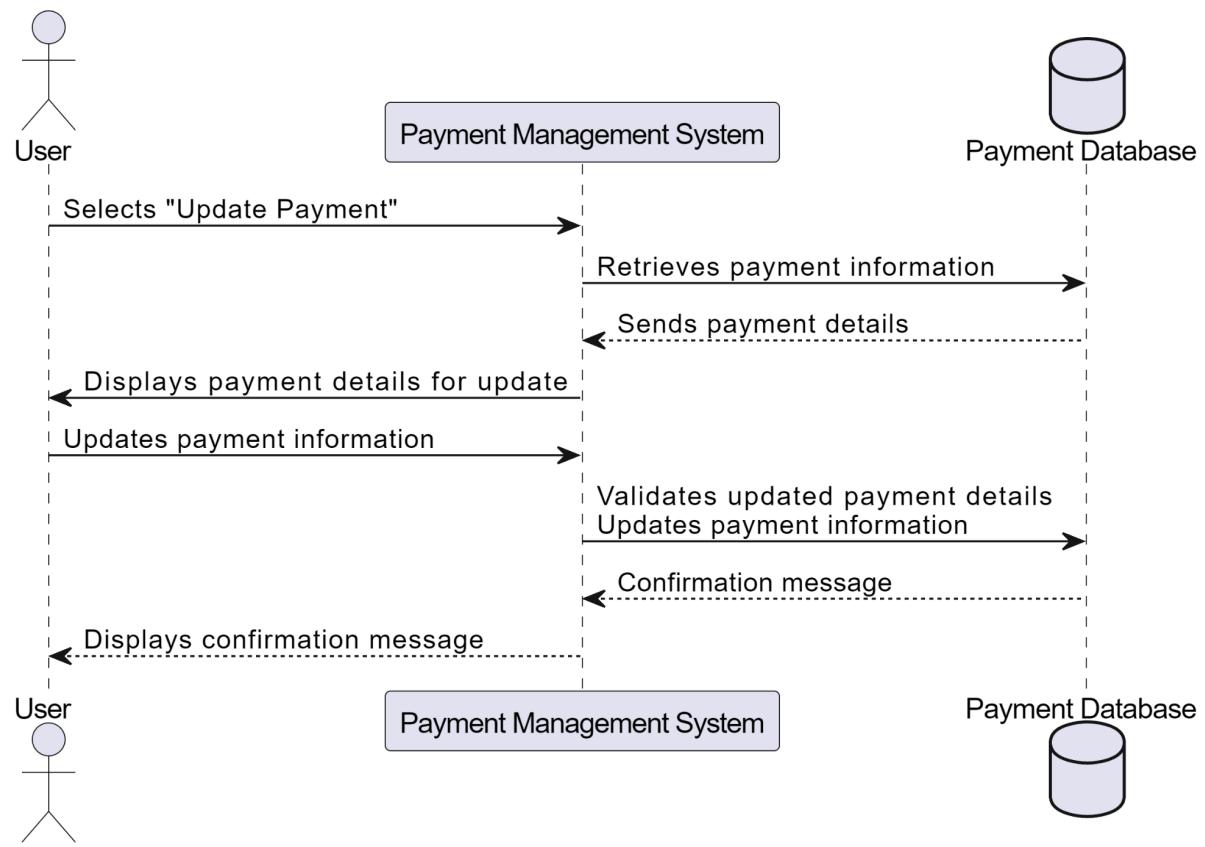


Figure 5.3.6.3 Sequence Diagram for <Update Payment>

### 5.3.7 Module 7 Delivery Order

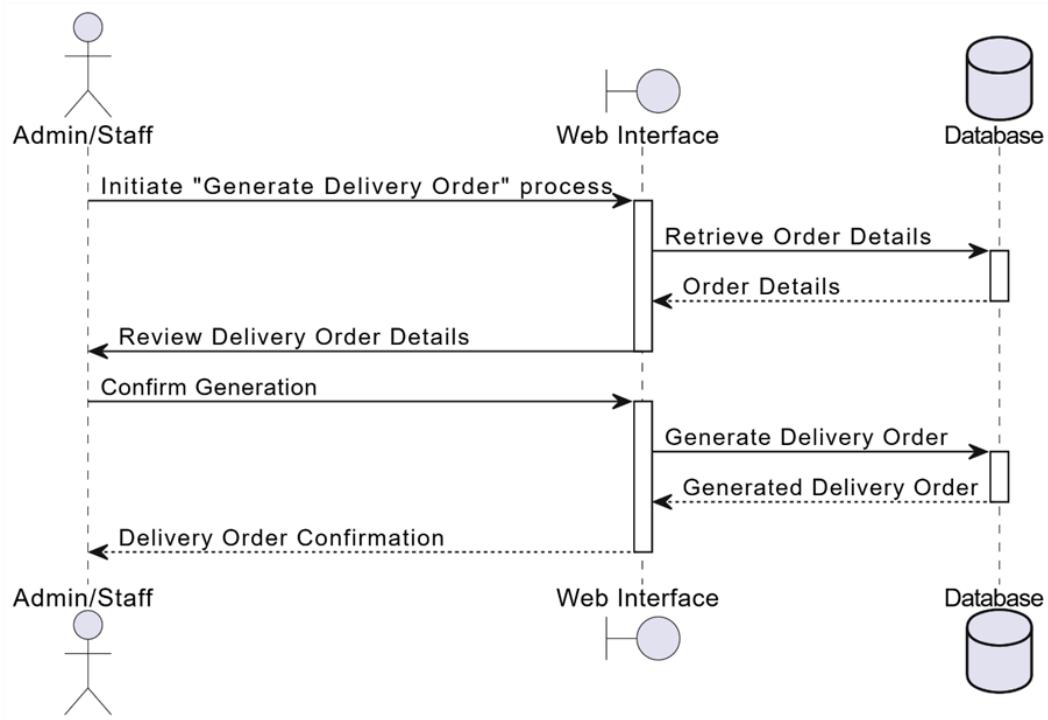


Figure 5.3.7.1 Sequence Diagram for <Generate Delivery Order>

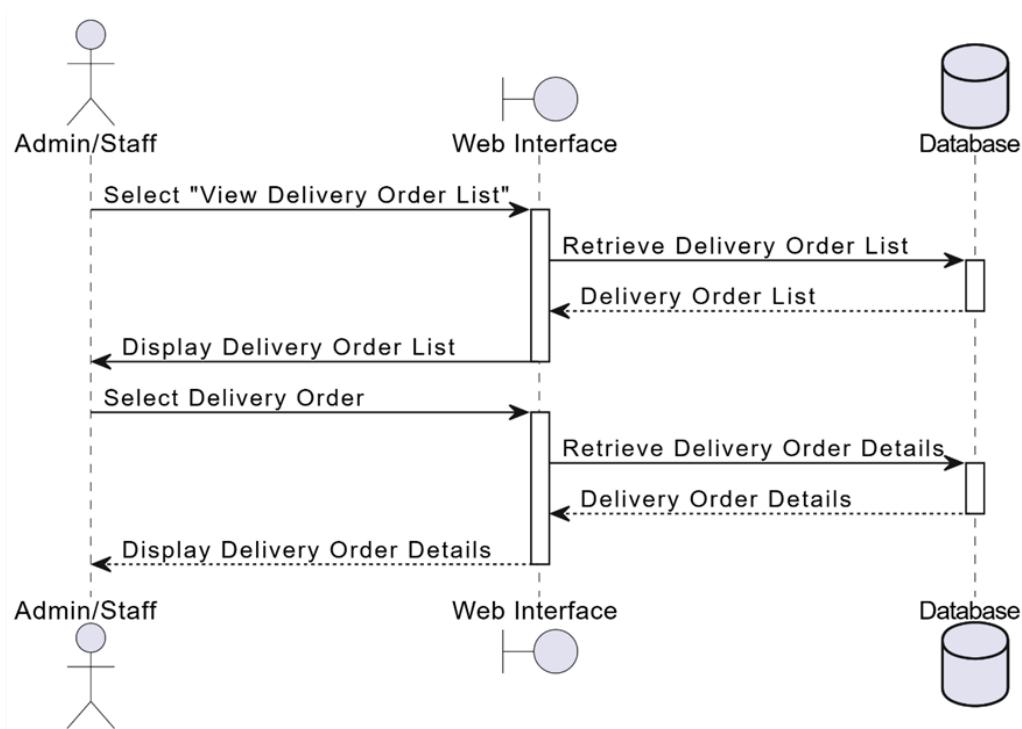


Figure 5.3.7.2 Sequence Diagram for < View Delivery Order List >

### 5.3.8 Module 8 Invoice Management

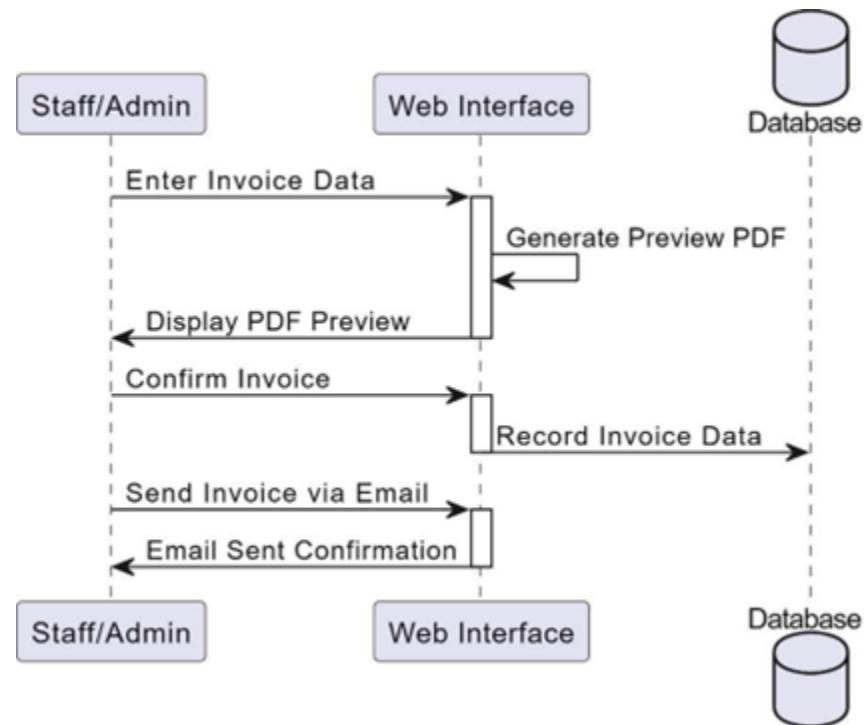
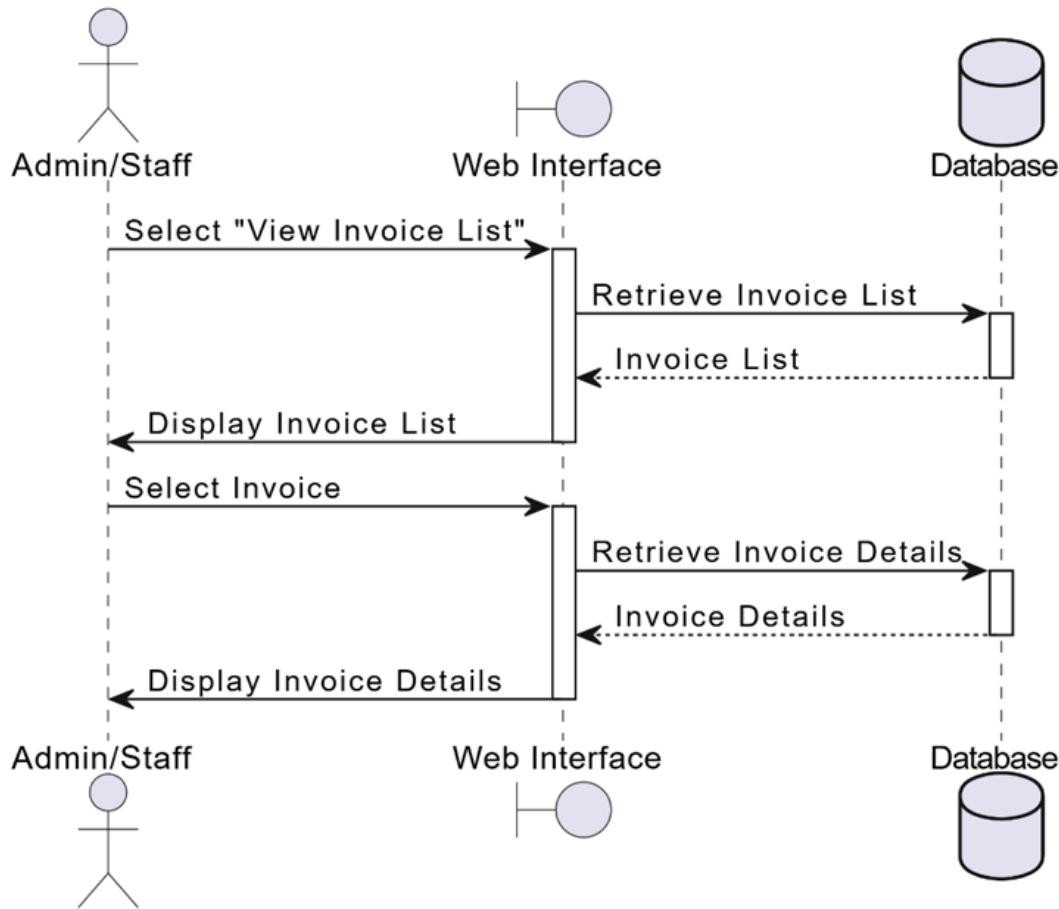
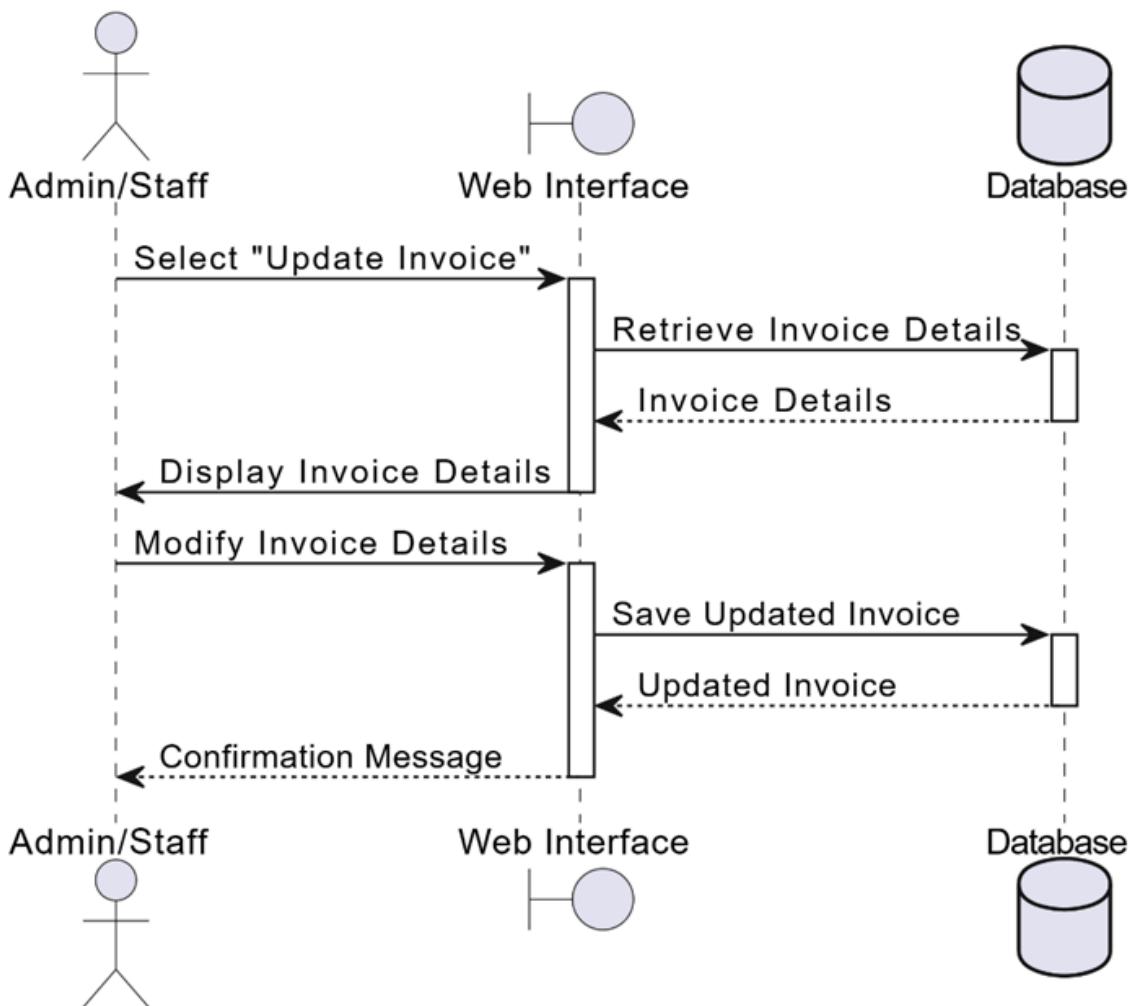


Figure 5.3.8.1 Sequence Diagram for <Generate Invoice>



Sequence Diagram for <View Invoice List>



Sequence Diagram for <Update Invoice>

### 5.3.9 Module 9 Reporting Dashboard

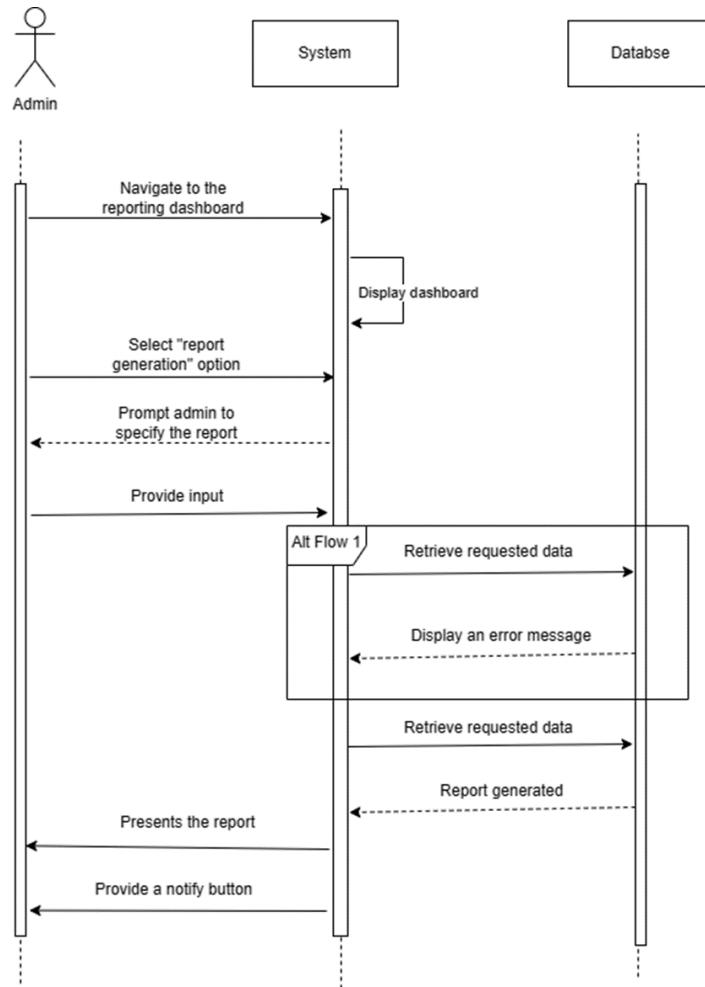


Figure 5.3.9 Sequence Diagram for <Manage Report>

## **6.0 Development Software, Language, Technology, API and Tools**

### **Development Software**

- Visual Studio Code:  
A versatile code editor used for writing, editing, and debugging code in various programming languages, providing features like syntax highlighting, IntelliSense, and Git integration for efficient development workflows.
- Sublime Text:  
A lightweight yet powerful text editor known for its speed and customization options, ideal for editing code files with features like multiple selections, split editing, and a rich plugin ecosystem.
- XAMPP Control Panel:  
A software package that facilitates local web development by providing an integrated environment for running Apache, MySQL, PHP, and Perl, simplifying the setup of a local server environment for testing and development purposes.
- phpMyAdmin:  
A web-based administration tool for managing MySQL databases, allowing users to execute SQL queries, manage database structures, and perform tasks like importing and exporting data conveniently through a graphical interface.
- FileZilla:  
A fast and reliable FTP (File Transfer Protocol) client used for transferring files between a local computer and a remote server, facilitating the deployment and management of website files and assets.

### **Language**

#### **A. Front-end development**

- HTML:

The standard markup language for creating the structure and content of web pages, defining elements like headings, paragraphs, images, and links to structure and display content in browsers.

- CSS:

A style sheet language used to define the presentation and appearance of HTML elements on web pages, enabling styling features like colors, fonts, layouts, and responsive design.

- JavaScript:

A versatile programming language primarily used for adding interactivity and dynamic behavior to web pages, enabling features like form validation, animations, and AJAX requests.

## B. Back-end development

- PHP:

A server-side scripting language used for building dynamic web applications, processing form data, interacting with databases, and generating dynamic content on web pages.

- mySQL:

A popular relational database management system (RDBMS) used for storing, organizing, and managing structured data, commonly employed in web development projects for data storage and retrieval.

## Tools

- Draw.io:

A web-based diagramming tool used for creating flowcharts, diagrams, and wireframes, facilitating visual planning and design of software architecture, user interfaces, and project workflows.

- Github:

A web-based platform for version control and collaboration, allowing developers to host, manage, and share code repositories, track changes, and work together on projects using Git.

- Bootstrap5 (<https://getbootstrap.com/>):  
A front-end framework that provides pre-designed HTML, CSS, and JavaScript components and templates to streamline the development of responsive and visually appealing web interfaces, accelerating the process of building modern web applications.
- Bootstrap Icon (<https://icons.getbootstrap.com/>):  
A free, high-quality, open-source icon library with over 2,000 icons, including SVGs, SVG sprites, or web fonts. Anyone can use them with or without Bootstrap in any project.
- UI Template:  
An application or website's graphical user interface can be developed using a UI (User Interface) template, which is a premade layout or blueprint. The framework that UI templates offer include placeholders for different elements including buttons, forms, navigation menus, and other graphical components. These templates can be tailored to meet the particular needs of a project and are frequently made by designers or developers.

Template Name: NiceAdmin

Template URL: <https://bootstrapmade.com/nice-admin-bootstrap-admin-html-template/>

Author: BootstrapMade.com

License: <https://bootstrapmade.com/license/>

- PHPMailer:  
A code library called PHPMailer is used to send emails from a web server using PHP code in a secure and convenient manner.

Github link: <https://github.com/PHPMailer/PHPMailer>

- FPDF

FPDF is a PHP class that enables the creation of PDF files using only PHP, eliminating the need for the PDFlib library. The letter F in FPDF stands for Free; feel free to use it however you see fit and adapt it to your requirements.

Library: <http://www.fpdf.org/>

## **7.0 Function/Module Explanation**

### **7.1 Module 1 User Authentication**

The User Authentication module plays a crucial role in ensuring the system security to limit the user authority to the company, AK Maju Resources Sdn. Bhd. The users must enter the correct user credentials to log into the system either admin or staff section according to the user type based on their user ID (username). The outside visitors cannot register their account, instead must be created by the administrator. This module also prevents the inactive account from accessing the system. However, if the active user accounts forget their password, they can click on the “Forgot password” to get the reset link via email validation. After receiving the reset link from the email and changing the password, they can log into the system successfully. Moreover, the user password is stored in hashed style to avoid any hackers from accessing the password through the database.

### **7.2 Module 2 User Management**

This User Management module is specially designed for the administrator. The admin of the AK Maju are able to manage the user account, including add new users, edit user information except the password, view user list, export the data in Excel format, and also deactivate or activate the user account. Let say one of the staff or admin has left the company, so the administrator can deactivate their account. Importantly, there will be an alert notification when the deactivation is chosen to avoid any accidental deletion.

### **7.3 Module 3 Customer Management**

The Customer Info Management module involves both users, which are staff and admin. The objective of this module is to provide the efficient and secure management of customer details data. This module is a vital component of our system as the module facilitates seamless interactions with customers, ensuring accurate and up-to-date information for business usage.

The main purpose of this module is to allow staff and admin to export customer data into Excel format through a “Extract data” button and choose whether to download it. Moreover, the module also enables staff and admin to modify customer related data and the function to delete customer data. Not only that, admin and staff can add new customers.

## **7.4 Module 4 Inventory Management**

The Inventory Management module includes both stock management and the Jabatan Kerja Raya (JKR) material list. In the stock management, both the admin and the staff can add new stock, edit the stock, and also remove the stock into the recycle bin. To avoid any accidental deletion or ensure reuse of the stock item, the recycle bin is designed to let the users restore any deleted items just in one click. Next, the users can also export the stock list into Excel format, facilitating easier management. However, the stock alert can only be set or adjusted by the admin, so the system will notify the users when there is any stock level that reaches its minimum. This also applies to the markup rate to be controlled by the admin.

Next, about the JKR material management, the users can add a new list or edit the previous material due to the JKR will promote a new list annually. The material can be divided into two main categories, which are electric and civil. The common CRUD operations are applied to it also with the recycle bin. Additionally, there are two more lists, which are electric and civil rate charged lists based on the price list given by the JKR. Here, the rates are according to the area from the JKR department, considering the state, district, and distance between the buyer and the JKR department. Same with others, the common CRUD operations are also implemented with a recycle bin for each of the categories.

## **7.5 Module 5 Quotation Management**

The Quotation module serves as a comprehensive tool accessible to both administrators and staff members. Within this module, users can create quotations for various purposes, including advertising and construction projects. These quotations are conveniently organized and displayed in a unified table, allowing users to differentiate them by examining the "Category" column, which specifies whether the quotation pertains to advertising or construction.

For advertising quotations, users can seamlessly add products from the inventory stock, adjusting parameters such as discount rates and tax amounts to tailor the quotation to the specific needs of the customer. On the other hand, construction quotations enable users to incorporate materials sourced from the inventory managed by the JKR (Jabatan Kerja Raya), with pricing

calculations aligned with JKR standards. Additionally, users have the flexibility to adjust markup prices to reflect current market conditions or business requirements.

Once a quotation is generated, it can undergo an approval process before being transformed into an order or proceeding to other relevant actions. Users have the option to generate detailed PDF versions of the quotation, providing comprehensive documentation for further review or distribution.

## **7.6 Module 6 Order Management**

Following the creation of a quotation, the Order module facilitates the transition of quotations into actionable sales orders. Users can manage various aspects of these orders, primarily focusing on updating the order status and payment status. Additionally, users can input relevant remarks and designate staff members in charge of overseeing specific orders, ensuring effective coordination and accountability within the organization.

The Payment Management feature within the Order module enables users to record and track customer payments seamlessly. Users can add payments, specifying the amount paid, payment type, and uploading proof of payment for documentation purposes. Additionally, users have the capability to edit payment details, including updating payment amounts and payment types, as well as uploading or modifying proof of payment files.

Furthermore, the module provides functionalities for exporting payment lists to Excel format, facilitating financial reporting and analysis. Users can also download proof of payment documents for reference or sharing purposes. The system includes a comprehensive recycling mechanism, allowing users to delete payments and restore them from a recycle bin as needed, ensuring data integrity and security.

## **7.7 Module 7 Delivery Order Management**

A feature-rich tool for handling delivery orders is offered by the Delivery Order module. Users can easily view and manage a list of delivery orders by using the table format that it displays. A

comprehensive PDF version of each delivery order can be created for additional review, distribution, or record-keeping.

This module not only overviews delivery orders but also acts as a crucial document in commercial exchanges. It serves as the customer's receipt for the goods and proof of the carriage agreement. Every delivery order can be produced in a comprehensive PDF format, which guarantees that all parties are in agreement on the type of goods being delivered, how much of them, and other pertinent information.

## **7.8 Module 8 Invoice Management**

The Delivery Order and Invoice Management modules are comparable, but the Invoice Management module has an extra feature for updating the invoice\_upfront. Users can create detailed PDF versions of invoices and view them in a table format with this module. Users have flexibility and control over the invoicing process by being able to update the upfront payment details on the invoice using the invoice\_upfront function.

When it comes to financial transactions between the company and its clients, the Invoice Management module is essential. Once the customer pays for the goods or services, the invoice serves as a request for payment and becomes a legally binding document. Businesses can control advance payments with the invoice\_upfront function, which is especially useful for financial planning and cash flow management. Similar to the Delivery Order, the Invoice can also be produced as an elaborate PDF, giving both parties a comprehensive record of the entire transaction.

## **7.9 Module 9 Reporting Dashboard**

The Reporting Dashboard module is designed to provide a comprehensive suite of features for data analysis, performance tracking, and strategic decision-making. Beside that, this module is specially designed for admin to provide a visual representation of essential sales and inventory data, allowing users to make informed decisions. It comprises features such as generating various reports, charts, and graphs that offer insights into sales performance, inventory status, and order tracking.

This module only involves admin of the system. Only the admin can access the reporting dashboard. Besides, the admin can generate the report through the “report generation” button. To generate the report, the admin can select the type of report wanted. Then, the report will be generated in pdf format and the user can choose whether to download it. In addition, admin has the access to modify the report period according to the needs. With all these features, the admin can have a clearer view of the ongoing business.

## **8.0 System Credentials (Hosting)**

Website AKMMS: <https://akmajuresources.000webhostapp.com/>

Admin:

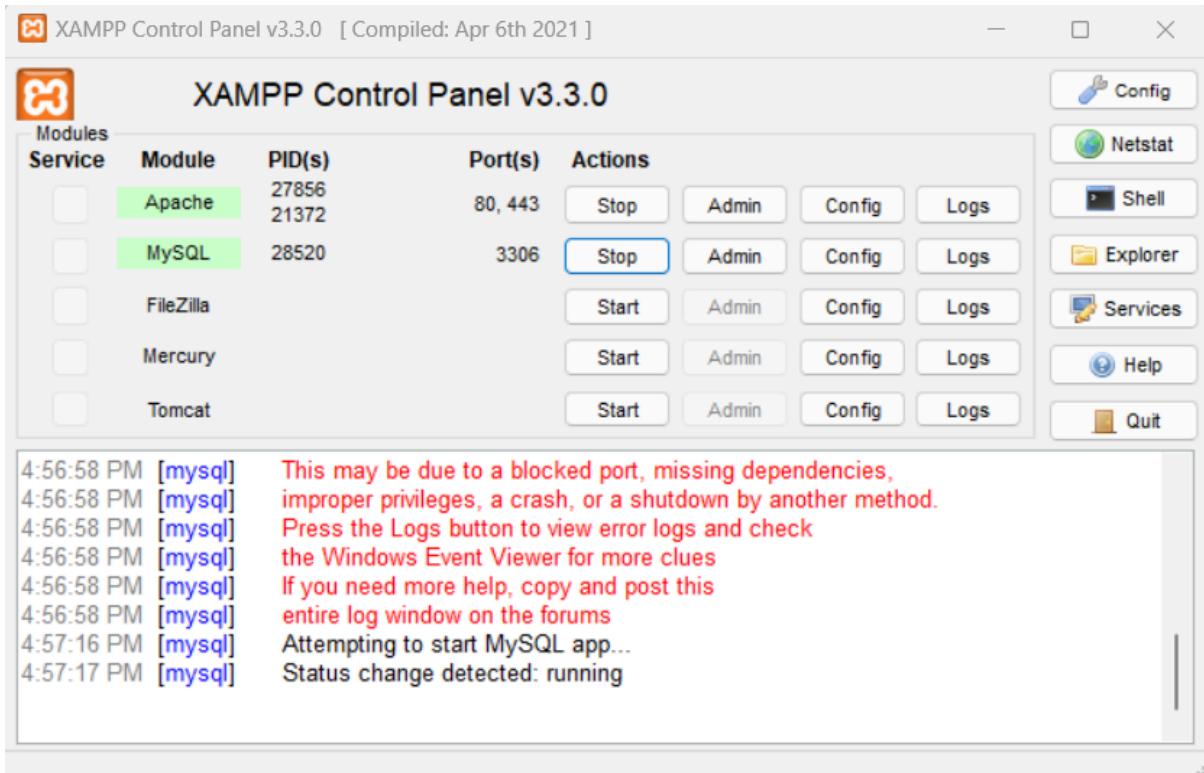
User ID	Password
chloe1234	Chloe123@12345

Staff:

User ID	Password
hanhan03	Hanhan03@12345

## 9.0 Localhost Setup

1. Extract the zip file into the xampp/htdocs directory.
2. Install XAMPP Control Panel.
3. Launch Apache and MySQL.



4. Click the “Admin” button from MySQL to view the database from phpMyAdmin.
5. Import the MySQL database from the file after creating a database table named db\_akmms into the database table in phpMyAdmin.
6. Type “localhost/akmms/” in the URL bar to launch the system.

## 10.0 System Interface for All Users

### Admin

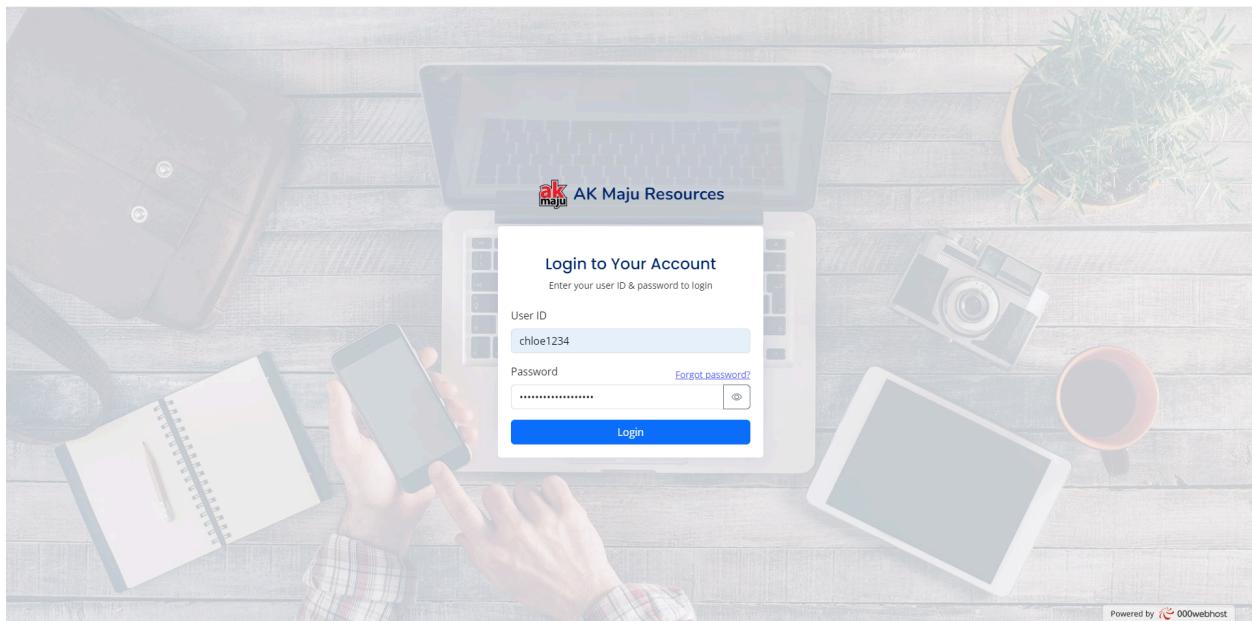


Figure 10.1.1 Login Page

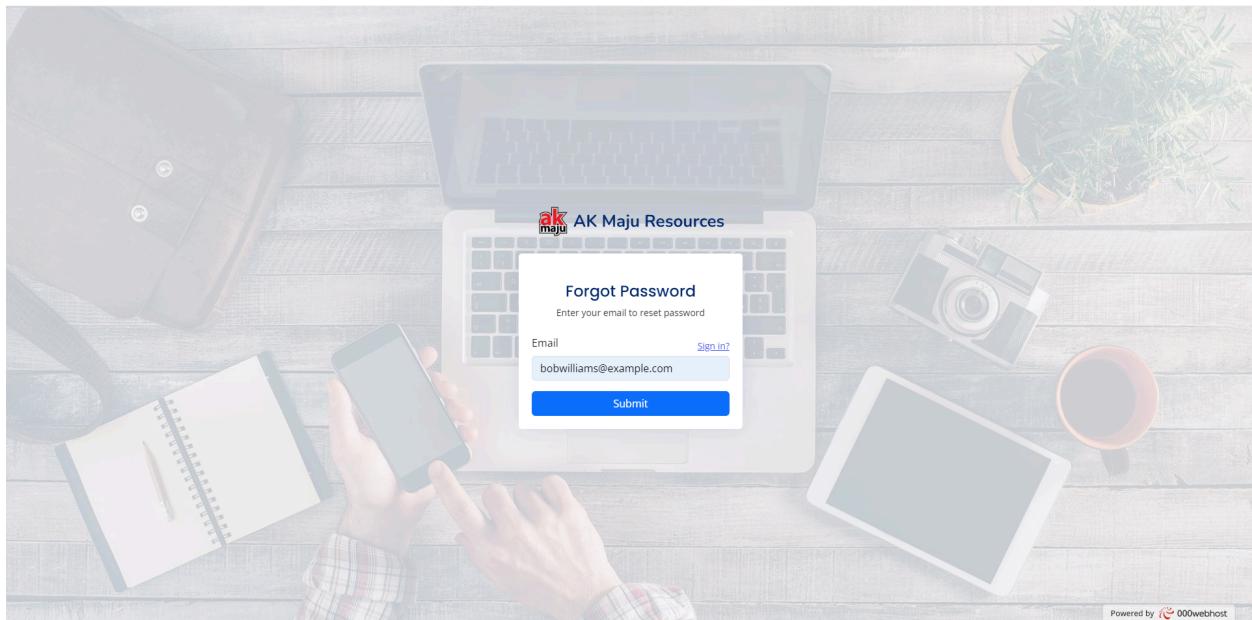


Figure 10.1.2 Forgot Password

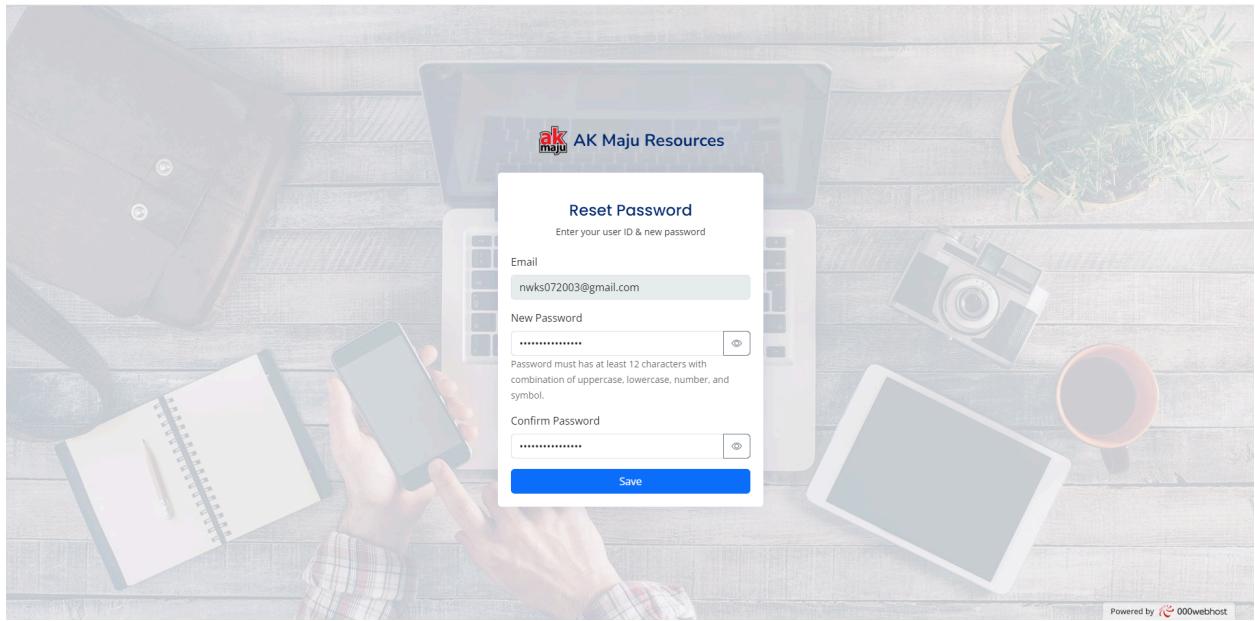


Figure 10.1.3 Reset Password

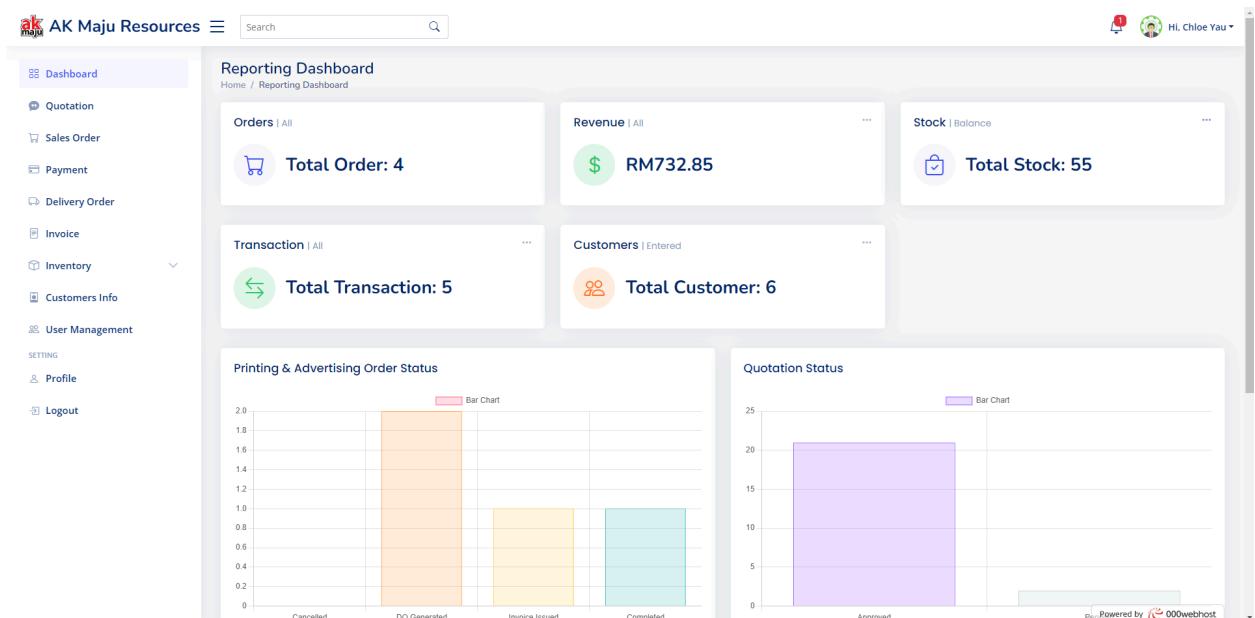


Figure 10.1.4 Dashboard

transactionpdf.php

AK MAJU RESOURCES SDN. BHD.  
No. 39 & 41, Jalan Utama 3/2, Pusat  
Komersial Sri Utama Segamat,  
Johor, Malaysia - 85000  
07-9310717, 010-2218224  
Email : akmaju.acc@gmail.com  
Company No : 1088436 K

**Transaction Listing By Payment ID**

Payment ID	Customer Name	Payment Type	Payment Amount	Payment Date
1	John Doe	Online Banking	60	2024-01-15 00:00:00
7	ali	Cash	100	2024-01-16 00:00:00
8	Shen	Cash	600	2024-01-16 00:00:00
9	ahlai	Online Banking	234	2024-01-19 00:00:00
10	Alice Johnson	Online Banking	20	2024-01-30 00:00:00

Figure 10.1.5 Reporting Transaction

profitpdf.php

AK MAJU RESOURCES SDN. BHD.  
No. 39 & 41, Jalan Utama 3/2, Pusat  
Komersial Sri Utama Segamat,  
Johor, Malaysia - 85000  
07-9310717, 010-2218224  
Email : akmaju.acc@gmail.com  
Company No : 1088436 K

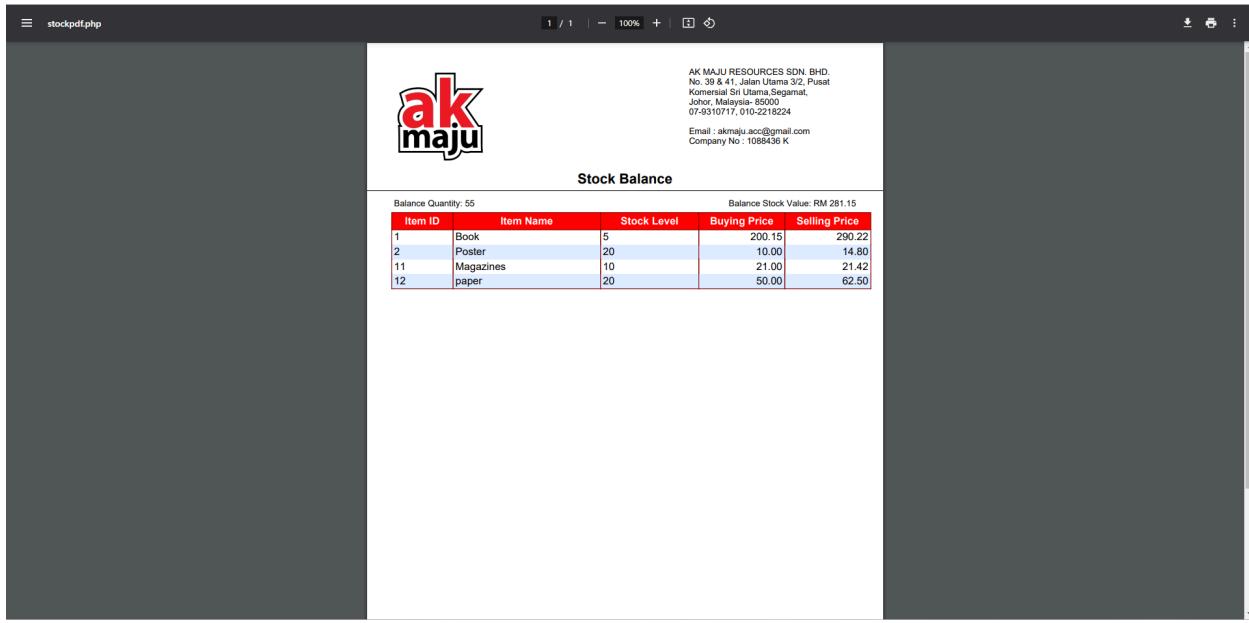
**PROFIT AND LOSS (SUMMARY)**

Dear Sir/Madam,

Here is our Sales Report generated for your personal usage.

	MONTHLY AMOUNT (RM)	YEARLY AMOUNT (RM)
SALES	1014.00	1014.00
COST OF SALES	281.15	281.15
GROSS PROFIT	732.85	732.85
OTHER EXPENSES	0.00	0.00
NET PROFIT	732.85	732.85

Figure 10.1.6 Reporting Profit and Loss



Balance Quantity: 55		Balance Stock Value: RM 281.15		
Item ID	Item Name	Stock Level	Buying Price	Selling Price
1	Book	5	200.15	290.22
2	Poster	20	10.00	14.80
11	Magazines	10	21.00	21.42
12	paper	20	50.00	62.50

Figure 10.1.7 Reporting Stock Balance

A screenshot of an Excel spreadsheet titled 'akmms-payment-data\_2024-01-30'. The table has columns labeled C through G. The data is as follows:

Figure 10.1.8 Excel Reporting Payment

AK Maju Resources

Quotation List

Quotation ID	Customer Name	Address	Email	Contact No.	Grand Total	Date	Category	Status	Action
120	Balai Polis Daerah Kuantan	Lot 67, Jln Rendah, 88901, Kuantan, Pahang, Malaysia	poliskuantan@yahoo.com.my	016-7789623	527.44	2024-01-18	Construction	Pending	<a href="#">View</a> <a href="#">Edit</a>
122	Klinik Kesihatan Daerah Segamat	Jln Maju, 71010, Segamat, Johor, Malaysia	kkdsegamat@gmail.com	60-1789345	332.42	2024-01-30	Construction	Pending	<a href="#">View</a> <a href="#">Edit</a>
100	Klinik Kesihatan Daerah Segamat	Jln Maju, 71010, Segamat, Johor, Malaysia	kkdsegamat@gmail.com	60-1789345	60.00	2023-12-12	Advertising	Approved	<a href="#">View</a> <a href="#">Edit</a>
101	Shen	NO.10, JALAN DENAI 3, TAMAN DENAI PUCHONG, 47100, Puchong, Selangor, Malaysia	shen@gmail.com	016-4399913	610.47	2024-01-17	Advertising	Approved	<a href="#">View</a> <a href="#">Edit</a>
102	Klinik Kesihatan Daerah Segamat	Jln Maju, 71010, Segamat, Johor, Malaysia	kkdsegamat@gmail.com	60-1789345	600.45	2024-01-17	Advertising	Approved	<a href="#">View</a> <a href="#">Edit</a>
104	Alice Johnson	No 79 Taman Sri Sepang, 78910, Sepang, Selangor, Malaysia	alicejohnson@example.com	011-12345678	20.04	2024-01-17	Advertising	Approved	<a href="#">View</a> <a href="#">Edit</a>
106	Balai Polis Daerah Kuantan	Lot 67, Jln Rendah, 88901, Kuantan, Pahang, Malaysia	poliskuantan@yahoo.com.my	016-7789623	400.30	2024-01-17	Advertising	Approved	<a href="#">View</a> <a href="#">Edit</a>
107	Balai Polis Daerah Kuantan	Lot 67, Jln Rendah, 88901, Kuantan, Pahang, Malaysia	poliskuantan@yahoo.com.my	016-7789623	200.15	2024-01-17	Advertising	Approved	<a href="#">View</a> <a href="#">Edit</a>
108	Balai Polis Daerah	Lot 67, Jln Rendah, 88901, Kuantan, Pahang, Malaysia	poliskuantan@yahoo.com.my	016-	20.04	2024-	Advertising	Powered by 000webhost	<a href="#">View</a> <a href="#">Edit</a>

Figure 10.1.9 Quotation Page

AK Maju Resources

Generate New Quotation

Quotation Details

Quotation No	Quotation Date
123	2024-02-02
Payment Term	CIA

Customer Info

Select Existing Customer	
Name	Bob Williams
Email	bobwilliams@example.com
Phone	019-2345671
Street	321 Pine St
Postcode	99238
City	Sentosa
State	Singapore
Country	

Order List

No	Item ID	Item Description	Quantity	Unit Price(RM)	Disc(%)	Disc Amount(RM)	Tax Code	Tax Amount(RM)	Sub Total(RM)	Action
1	11	Magazines - The One	1	21.42	0	0.00		0.00	21.42	<a href="#">View</a> <a href="#">Edit</a>

Figure 10.1.10 Create Quotation Advertising

Figure 10.1.11 Create Quotation Construction

Figure 10.1.12 Generate Quotation PDF

The screenshot shows the 'Order' page of the AK Maju Resources application. The left sidebar contains navigation links for Dashboard, Quotation, Sales Order, Payment, Delivery Order, Invoice, Inventory, Customers Info, User Management, Profile, and Logout. The main content area is titled 'Order' and shows a table titled 'Order List'. The table has columns: Order ID, Quotation ID, Staff Incharge, Remark, Payment Status, Order Status, and Action. There are 4 entries in the table:

Order ID	Quotation ID	Staff Incharge	Remark	Payment Status	Order Status	Action
110	106	Han Han	For the Company A	Unpaid	Delivery Order Generated	
111	107	Liza Nurul	Need to remind him to pay	Unpaid	Delivery Order Generated	
109	104	Shen	So far so good	Partially paid	Invoice issued	
100	100	Wong	No remark so far	Paid	Completed	

At the bottom of the table, it says 'Showing 1 to 4 of 4 entries'. The footer includes copyright information: '© Copyright Xcode. All Rights Reserved' and 'Designed by Bootstrapmade'. A 'Powered by 000webhost' logo is in the bottom right corner.

Figure 10.1.13 Sales Order Page

The screenshot shows the 'Update Order' page of the AK Maju Resources application. The left sidebar is identical to Figure 10.1.13. The main content area is titled 'Update Order' and shows a form with the following fields:

Order ID	110
Quotation ID	106
Staff Incharge	Han Han
Remark	For the Company A
Payment Status	Unpaid
Order Status	Delivery Order Generated

At the bottom of the form are two buttons: 'Save' and 'Cancel'. The footer includes copyright information: '© Copyright Xcode. All Rights Reserved' and 'Designed by Bootstrapmade'. A 'Powered by 000webhost' logo is in the bottom right corner.

Figure 10.1.14 Update Sales Order

The screenshot shows the 'Payment List' section of the AK Maju Resources application. The table displays the following data:

Payment ID	Order ID	Payment Date	Customer Name	Payment Amount	Payment Type	Proof of Payment	Action
1	100	2024-01-15	John Doe	60	Online Banking	/storage/ssd2/437/21798437/public_html/uploads/Lab 4 plus new (for Students).pdf	
7	109	2024-01-18	ali	100	Cash	/storage/ssd2/437/21798437/public_html/uploads/QT100.pdf	
8	100	2024-01-18	Shen	600	Cash	/storage/ssd2/437/21798437/public_html/uploads/Test.pdf	
9	110	2024-01-19	ahlai	234	Online Banking	/storage/ssd2/437/21798437/public_html/uploads/Group 4 DSA_MiniProject.pdf	
10	109	2024-01-30	Alice Johnson	20	Online Banking	/storage/ssd2/437/21798437/public_html/uploads/SECJ2013_FINAL.pdf	

Showing 1 to 5 of 5 entries

Figure 10.1.15 Payment Page

The screenshot shows the 'Create Payment' form. The fields are as follows:

- Order ID: 100
- Payment Date: 02/02/2024
- Customer Name: Wong Xiao Ming
- Payment Amount: 55
- Payment Type: Cash
- Proof of Payment: Choose File (SAD AA FINAL (1).pdf)

Buttons:

Figure 10.1.16 Add Payment

AK Maju Resources

Edit Payment

Order ID: 109 | Payment Date: 01/18/2024

Customer Name: ali

Payment Amount: 100 | Payment Type: Cash

Proof of Payment: Choose File SAD AA PHASE 1.pdf

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Figure 10.1.17 Edit Payment

AK Maju Resources

Payment Management

Payment Recycle Bin

Payment ID	Order ID	Payment Date	Customer Name	Payment Type	Proof of Payment	Action
8	100	2024-01-18 00:00:00	Shen	Cash	/storage/ssd2/437/21798437/public_html/uploads/Test.pdf	<input type="button" value="Restore"/>
9	110	2024-01-19 00:00:00	ahlai	Online Banking	/storage/ssd2/437/21798437/public_html/uploads/Group 4 DSA_MiniProject.pdf	<input type="button" value="Restore"/>
10	109	2024-01-30 00:00:00	Alice Johnson	Online Banking	/storage/ssd2/437/21798437/public_html/uploads/SECJ2013_FINAL.pdf	<input type="button" value="Restore"/>

Showing 1 to 3 of 3 entries

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Figure 10.1.18 Recycle Bin Payment

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Payment ID	Order ID	Payment Date	Customer Name	Payment Amount	Payment Type	Proof of Payment						
2	1	100	1/15/2024	John Doe	60	Online Banking	/storage/ssd2/437/21798437/public_html/uploads/Lab 4 plus new (for Students).pdf						
3	7	109	1/18/2024	ali	100	Cash	/storage/ssd2/437/21798437/public_html/uploads/QT100.pdf						
4	8	100	1/18/2024	Shen	600	Cash	/storage/ssd2/437/21798437/public_html/uploads/Test.pdf						
5	9	110	1/19/2024	ahlai	234	Online Banking	/storage/ssd2/437/21798437/public_html/uploads/Group 4 DSA_MiniProject.pdf						
6	10	109	1/30/2024	Alice Johnson	20	Online Banking	/storage/ssd2/437/21798437/public_html/uploads/SECI2013_FINAL.pdf						

Figure 10.1.19 Generate Payment Excel

Delivery Order ID	Order ID	Quotation ID	Customer Name	Items	Date	Action
105	100	100	Klinik Kesihatan Daerah Segamat	Book printing	2023-12-04	
111	109	104	Alice Johnson	Poster - A2 size poster	2024-01-19	
110	110	106	Balai Polis Daerah Kuantan	Book - Two color	2024-01-17	
112	111	107	Balai Polis Daerah Kuantan	Book - Two color	2024-01-30	

Figure 10.1.20 Delivery Order Page

The screenshot shows the AK Maju Resources web application interface. On the left is a sidebar with navigation links: Dashboard, Quotation, Sales Order, Payment, Delivery Order, Invoice, Inventory, Customers Info, User Management, Setting, Profile, Logout. The main content area is titled 'Delivery Order' and shows the following details:

- Delivery Order Details**
- Delivery Order ID: 111
- Customer Name: Alice Johnson
- Customer Address: No 79 Taman Sri Sepang, 78910, Sepang, Selangor, Malaysia
- Payment Term: LO
- Product Details**

Product ID	Product Description	Product Quantity
45	Poster - A2 size poster	2

At the bottom right of the main content area is a blue button labeled 'Generate DO'.

At the bottom center of the page, there is a copyright notice: © Copyright Xcode. All Rights Reserved. Designed by Bootstrapmade.

In the bottom right corner, there is a small watermark: Powered by 000webhost.

Figure 10.1.21 Delivery Order Generate

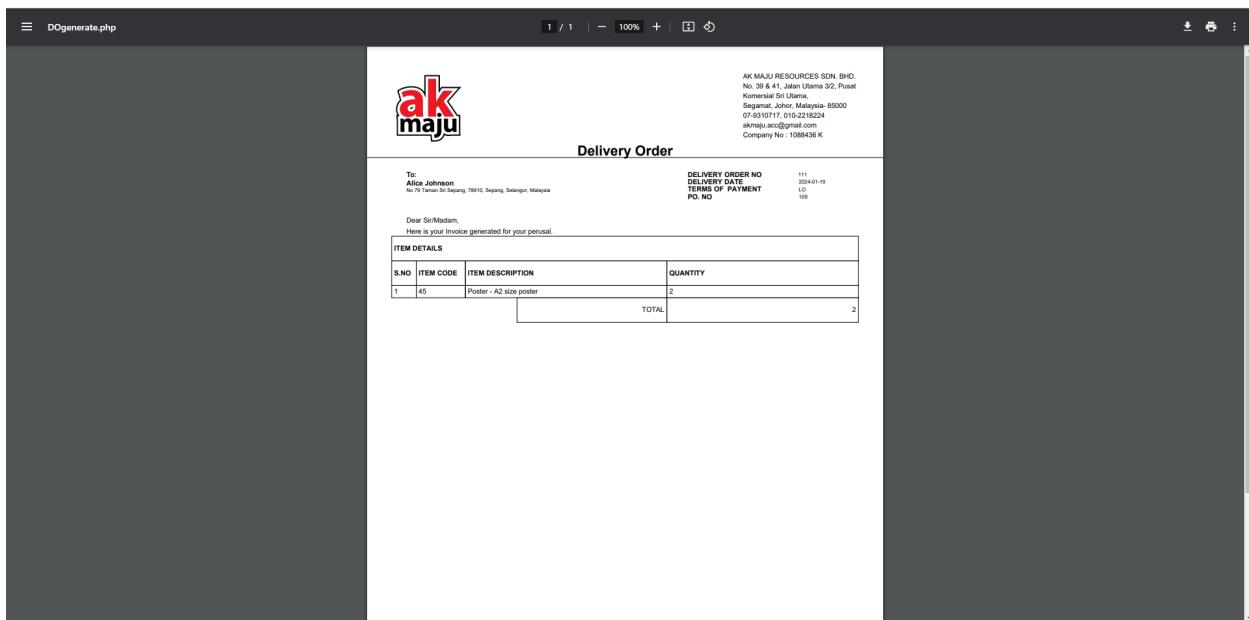


Figure 10.1.22 Delivery Order PDF Generate

**Invoicing**

Home / Invoice

**Invoice List**

10 entries per page

Search...

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Invoice ID	Order ID	Quotation ID	Delivery Order ID	Customer	Payment Status	Invoice Upfront	Invoice Balance	Action
127	110	106	110	Balai Polis Daerah Kuantan	Unpaid	0.00	400.30	
129	109	104	111	Alice Johnson	Partially paid	0.00	20.04	
110	100	100	105	Klinik Kesihatan Daerah Segamat	Paid	20.00	1180.00	
124	100	100	105	Klinik Kesihatan Daerah Segamat	Paid	0.00	60.00	
126	100	100	105	Klinik Kesihatan Daerah Segamat	Paid	0.00	60.00	

Showing 1 to 5 of 5 entries

Figure 10.1.23 Invoice Page

**AK Maju Resources**

Dashboard

Quotation

Sales Order

Payment

Delivery Order

Invoice

Inventory

Customers Info

User Management

SETTING

Profile

Logout

Search

Hi, Chloe Yau

**Invoice**

Home / Invoice / Update Invoice

**Update Invoice**

Delivery Order ID  
110

Customer Name  
Balai Polis Daerah Kuantan

Customer Address  
Lot 67, Jln Rendah, 88901, Kuantan, Pahang, Malaysia

Invoice Amount Payable  
400.30

Invoice Balance  
400.30

Invoice Upfront  
0.00

Payment Term  
LO

Product ID	Product Description	Product Quantity
47	Book - Two color	2

Powered by 000webhost

Figure 10.1.24 Update Invoice

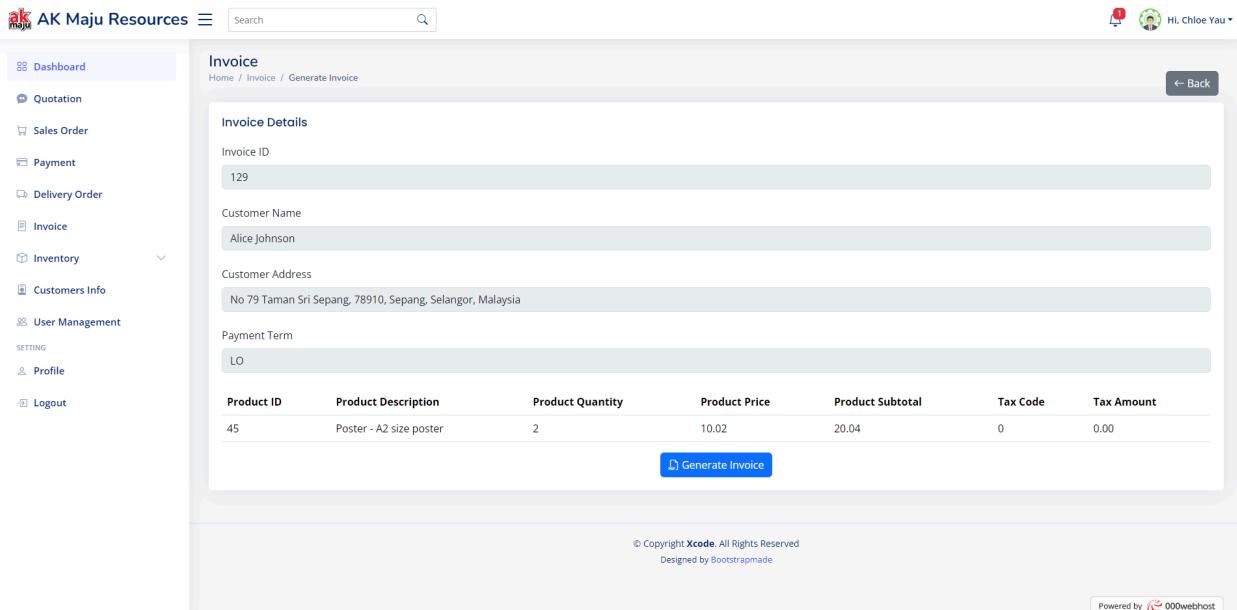


Figure 10.1.25 Generate Invoice

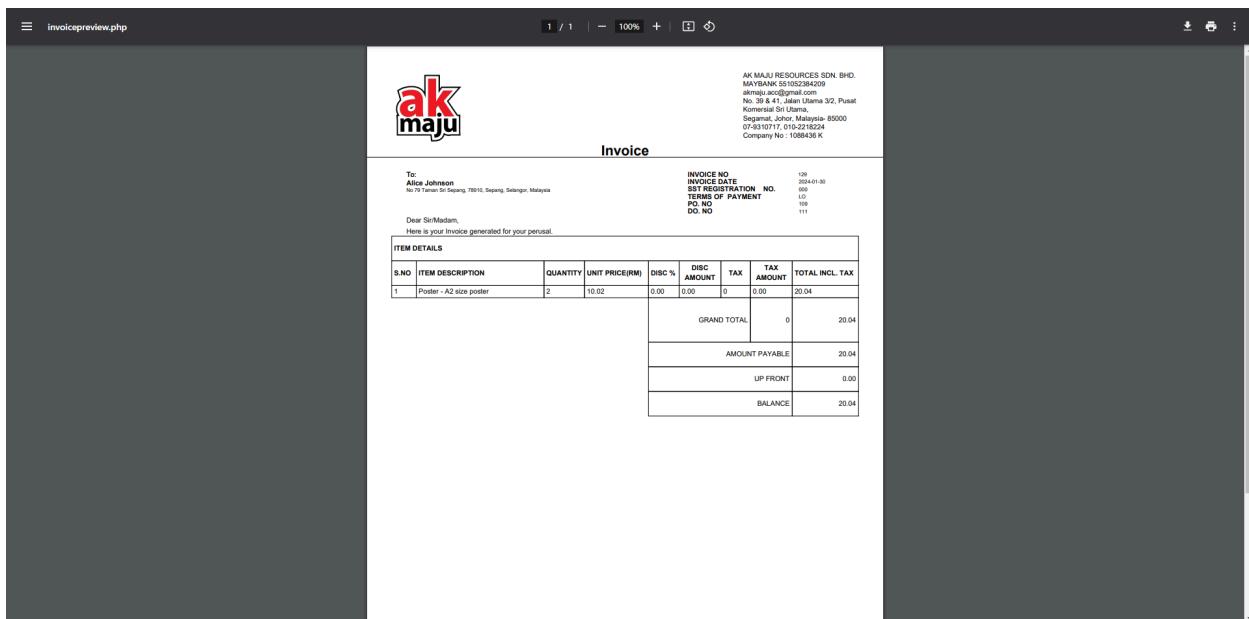


Figure 10.1.26 Generate Invoice PDF

The screenshot shows the Stock Management page of the AK Maju Resources application. The left sidebar contains navigation links for Dashboard, Quotation, Sales Order, Payment, Delivery Order, Invoice, Inventory (selected), Customers Info, User Management, Profile, and Logout. The main content area is titled 'Stock Management' and shows a message: 'Book - Two color is almost finished.' Below this is a 'Stock List' table with the following data:

Item ID	Item Name	Description	Cost	Price	Quantity	Category	Action
1	Book	Two color	200.15	290.22	5	Printing & Advertising	
2	Poster	A2 size poster	10.00	14.80	20	Printing & Advertising	
11	Magazines	The One Magazines	21.00	21.42	10	Printing & Advertising	
12	paper	a4	50.00	62.50	20	Printing & Advertising	

Showing 1 to 4 of 4 entries.

At the bottom, there is a copyright notice: © Copyright Xcode. All Rights Reserved and Designed by Bootstrapmade.

Figure 10.1.27 Stock Inventory Page

The screenshot shows the 'Add Item' page of the Stock Management section. The left sidebar is identical to Figure 10.1.27. The main content area is titled 'Add Item' and shows the following form fields:

Item Name	Item Description
Magazines	The One Magazines
Item Cost (RM)	Item Quantity
50	10
Please enter a valid numeric value with up to two decimal places.	
Markup (%)	Current Price (RM)
5	<input type="button" value="Calculate"/> 52.50
Item Category	
Printing & Advertising	

At the bottom right are 'Save' and 'Cancel' buttons.

At the bottom, there is a copyright notice: © Copyright Xcode. All Rights Reserved and Designed by Bootstrapmade.

Figure 10.1.28 Add Stock Item

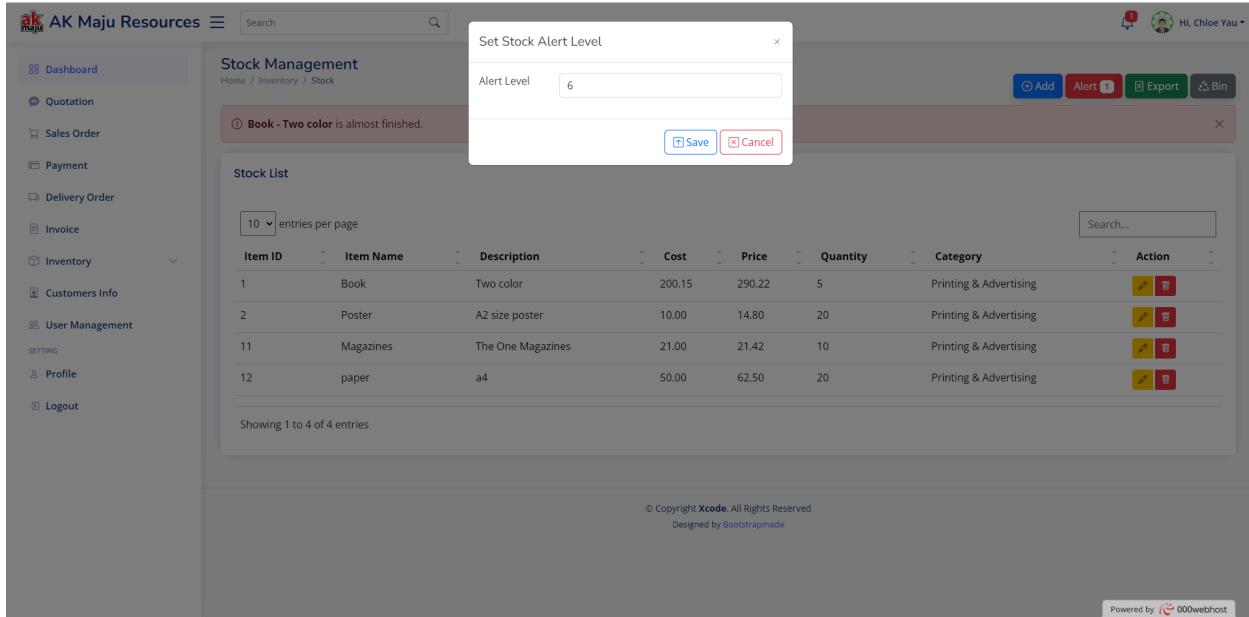


Figure 10.1.29 Set Stock Alert Level

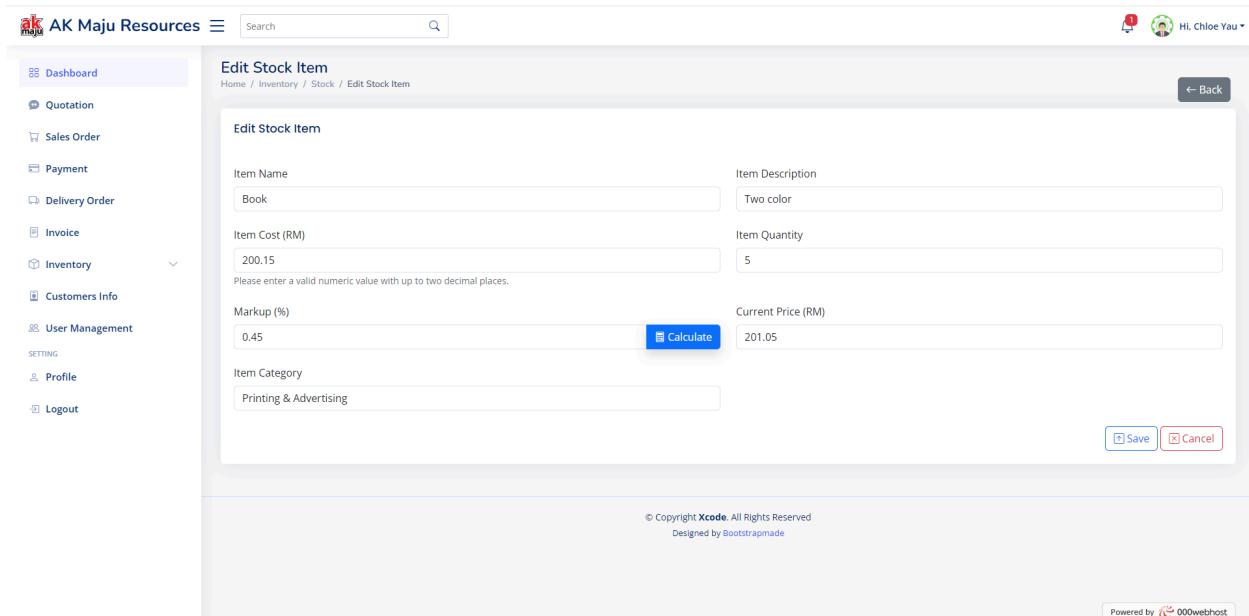


Figure 10.1.30 Edit Stock Item

The screenshot shows the Stock Management section of the AK Maju Resources application. The left sidebar includes links for Dashboard, Quotation, Sales Order, Payment, Delivery Order, Invoice, Inventory, Customers Info, User Management, Profile, and Logout. The main content area is titled "Stock Management" and "Stock Recycle Bin". It displays a table with columns: Item ID, Item Name, Description, Cost, Price, Quantity, Category, and Action. The table contains three entries: Item ID 2 (Poster, A2 size poster, cost 10.00, price 14.80, quantity 20, category Printing & Advertising), Item ID 11 (Magazines, The One Magazines, cost 21.00, price 21.42, quantity 10, category Printing & Advertising), and Item ID 12 (paper, a4, cost 50.00, price 62.50, quantity 20, category Printing & Advertising). Each entry has a "Restore" button. Below the table, it says "Showing 1 to 3 of 3 entries". The footer includes copyright information and a powered by 000webhost logo.

Figure 10.1.31 Recycle Bin Stock

The screenshot shows an Excel spreadsheet titled "akmms-stock-data\_2024-02-02.xlsx". The data is presented in a table with columns: Item ID, Item Name, Description, Cost, Price, Quantity, and Category. The rows contain the same data as the Stock Management interface: Item ID 1 (Book, Two color, cost 200.15, price 290.22, category Printing & Advertising), Item ID 2 (Poster, A2 size poster, cost 10.00, price 14.80, category Printing & Advertising), Item ID 11 (Magazines, The One Magazines, cost 21.00, price 21.42, category Printing & Advertising), and Item ID 12 (paper, a4, cost 50.00, price 62.50, category Printing & Advertising).

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	Item ID	Item Name	Description	Cost	Price	Quantity	Category													
2	1	Book	Two color	200.15	290.22	5	Printing & Advertising													
3	2	Poster	A2 size poster	10.00	14.80	20	Printing & Advertising													
4	11	Magazines	The One Magazines	21.00	21.42	10	Printing & Advertising													
5	12	paper	a4	50.00	62.50	20	Printing & Advertising													

Figure 10.1.32 Generate Stock Excel

**AK Maju Resources**

**JKR Material**

Home / Inventory / JKR List

**JKR Material List**

Material ID	Material Name	Description	Cost (RM)	Unit	Category	Action
8	kayu	kayu 15 meter	53.00	batang	Civil	
11	Pendawaian	Bi-metallic connector	141.80	satu	Electric	
14	wire	kayu 14	20.00	batang	Electric	
15	Pengasing	dwi kutub jenis satu fasa, bertebat penuh, 20A	73.40	satu	Electric	
16	Pipe	The paint blue	23.00	Meter	Civil	
17	papan	nipis	60.50	meter	Civil	

Showing 1 to 6 of 6 entries

**Electric Rate Charged List**

State	District	Group Distance (KM)	Rate Charged (%)	Action
Johor	Muar	kurang dari 16km	40.00	
Kelantan	Pasir Puteh	13	4.00	
Negeri Sembilan	Port Dickson	kurang dari 16km	40.00	

Showing 1 to 3 of 3 entries

**Civil Rate Charged List**

State	District	Group Distance (KM)	Rate Charged (%)	Action
Kedah	Kota Setar	kurang dari 16km	10.00	
Kelantan	Kota Bharu	kurang dari 16km	40.00	
Kelantan	Pasir Puteh	34	10.00	
Perak	Hilir Perak	50	35.00	

Showing 1 to 4 of 4 entries

Figure 10.1.33 JKR Inventory Page

**AK Maju Resources**

**Electric Rate Charged List**

State	District	Group Distance (KM)	Rate Charged (%)	Action
Johor	Muar	kurang dari 16km	40.00	
Kelantan	Pasir Puteh	13	4.00	
Negeri Sembilan	Port Dickson	kurang dari 16km	40.00	

Showing 1 to 3 of 3 entries

**Civil Rate Charged List**

State	District	Group Distance (KM)	Rate Charged (%)	Action
Kedah	Kota Setar	kurang dari 16km	10.00	
Kelantan	Kota Bharu	kurang dari 16km	40.00	
Kelantan	Pasir Puteh	34	10.00	
Perak	Hilir Perak	50	35.00	

Showing 1 to 4 of 4 entries

Figure 10.1.34 JKR Inventory Page 2

AK Maju Resources

**JKR Material**

Add Material

Material Name	Pipe	Material Description	The paint blue
Material Cost (RM)	55 Eg. RM185.40	Material Unit	Meter Eg. Meter
Category	Civil		

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Figure 10.1.35 Add JKR Material

AK Maju Resources

**Edit Material**

Edit Material

Material Name	kayu	Material Description	kayu 15 meter
Material Cost (RM)	53 Eg. RM 143.20	Material Unit	batang Eg. Meter
Category	Civil		

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Powered by 000webhost

Figure 10.1.36 Edit JKR Material

The screenshot shows a list of items in the JKR Material Recycle Bin. The columns are Material ID, Material Name, Description, Cost (RM), Unit, Category, and Action (with a 'Restore' button). There are 3 entries listed:

Material ID	Material Name	Description	Cost (RM)	Unit	Category	Action
8	kayu	kayu 15 meter	53.00	batang	Civil	<button>Restore</button>
9	kayu	kayu 15 meter	10.00	batang	Civil	<button>Restore</button>
11	Pendawaian	Bi-metallic connector	141.80	satu	Electric	<button>Restore</button>

Showing 1 to 3 of 3 entries

Figure 10.1.37 Recycle Bin JKR Material

The screenshot shows the 'Add Price Rate' form for electric materials. It requires input for State (Kelantan), District (Kuala Krai), Group Distance (KM) (13), and Rate (%). The 'Save' and 'Cancel' buttons are at the bottom.

State	District
Kelantan	Kuala Krai
Group Distance (KM)	Rate (%)
13	4

Eg. kurang dari 16km  
Eg. 4%

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Figure 10.1.38 Add Electric Price Rate

**Edit Rate**

Home / Inventory / JKR List / Electric / Edit Rate Charged

State: Johor      District: Muar

Group Distance (KM): kurang dari 16km      Rate (%): 40

Eg. kurang dari 16km      Eg. 4%

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Figure 10.1.39 Edit Electric Price Rate

**JKR Material**

Home / Inventory / JKR List / Electric / Recycle Bin

**Electric Rate Charged Recycle Bin**

State	District	Group Distance (KM)	Rate Charged (%)	Action
Johor	Muar	kurang dari 16km	40.00	<input type="button" value="Restore"/>
Kelantan	Pasir Puteh	13	4.00	<input type="button" value="Restore"/>

Showing 1 to 2 of 2 entries

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Figure 10.1.40 Recycle Bin Electric Rate Charged

**AK Maju Resources**

**JKR Material**

Add Price Rate

State: Melaka      District: Jasin

Group Distance (KM): 13      Rate (%): 5

Eg. kurang dari 16km      Eg. 4%

**Save** **Cancel**

Figure 10.1.41 Add Civil Price Rate

**AK Maju Resources**

**Edit Rate**

State: Kedah      District: Kota Setar

Group Distance (KM): kurang dari 16km      Rate (%): 10

Eg. kurang dari 16km      Eg. 4%

**Save** **Cancel**

Figure 10.1.42 Edit Civil Price Rate

**Civil Rate Charged Recycle Bin**

State	District	Group Distance (KM)	Rate Charged (%)	Action
Kedah	Kota Setar	kurang dari 16km	10.00	<button>Restore</button>
Kelantan	Kota Bharu	kurang dari 16km	40.00	<button>Restore</button>

Showing 1 to 2 of 2 entries

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Figure 10.1.43 Recycle Bin Civil Rate Charged

**Customer Management**

Customer ID	Customer Name	Phone No.	Email	Street	Postcode	City	State	Country	Status	Action
9	Klinik Kesihatan Daerah Segamat	60-1789345	kkdsegamat@gmail.com	Jln Maju	71010	Segamat	Johor	Malaysia	Active	<button>Status</button>
10	Balai Polis Daerah Kuantan	016-7789623	poliskuantan@yahoo.com.my	Lot 67, Jln Rendah	88901	Kuantan	Pahang	Malaysia	Active	<button>Status</button>
11	Alice Johnson	011-12345678	alicejohnson@example.com	No 79 Taman Sri Sepang	78910	Sepang	Selangor	Malaysia	Active	<button>Status</button>
12	Bob Williams	019-2345671	bobwilliams@example.com	321 Pine St	99238	Sentosa	Others	Singapore	Active	<button>Status</button>
23	Shen	016-4399913	shen@gmail.com	NO.10, JALAN DENAI 3, TAMAN DENAI PUCHONG	47100	Puchong	Selangor	Malaysia	Disabled	<button>Status</button>
25	Chuan Shen	0167894536	tiewcshen@gmail.com	NO.10	47100	Puchong	Selangor	Malaysia	Disabled	<button>Status</button>

Showing 1 to 6 of 6 entries

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Figure 10.1.44 Customer Management Page

**AK Maju Resources**

**Customer Management**

Add Customer

Customer Name	Email Address
Jane Smith Eg. Klinik Kesihatan Daerah Pontian	22@gmail.com
Contact No.	
0987654321	
Street	Postcode
321 Pine St	654321
City	State
Johor Bahru	Sarawak
Customer Country	
Singapore	

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Figure 10.1.45 Add Customer

**AK Maju Resources**

**Customer Management**

Edit Customer

Customer ID	Customer Name
11 Eg. Klinik Kesihatan Daerah Pontian	Alice Johnson
Email address	Contact No.
alicejohnson@example.com	011-12345678
Street	Postcode
No 79 Taman Sri Sepang	78910
City	State
Sepang	Selangor
Country	
Malaysia	

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Figure 10.1.46 Edit Customer

Customer ID

Customer ID	Name	Phone No.	Email	Street	Postcode	City	State	Country
9	Klinik Keshatan Daerah	601789345	kksegamat@gmail.com	Jln Maju	71010	Segamat	Johor	Malaysia
10	Balai Polis Daerah Kuantan	016-7789623	poliskuantan@yahoo.com.my	Lot 67, Jln Rendah	88901	Kuantan	Pahang	Malaysia
11	Alice Johnson	011-	alicejohnson@example.com	No 79 Taman Sri Sepang	78910	Sepang	Selangor	Malaysia
12	Bob Williams	019-2345671	bobwilliams@example.com	321 Pine St	99238	Sentosa	Others	Singapor
23	Shen	016-4399913	lshen@gmail.com	NO.10, JALAN DENAI 3, TAMAN DENAI PUCHONG	47100	Puchong	Selangor	Malaysia
25	Chuan Shen	167894536	tiewcshen@gmail.com	NO.10	47100	Puchong	Selangor	Malaysia

Figure 10.1.47 Generate Customer Excel

AK Maju Resources

User Management

User ID	IC	First Name	Last Name	Phone No.	Email	User Type	Account Status	Action
akmad123	970518011144	Akmad	Raju	019-2345671	akmad@yahoo.my	Staff	Active	<button>status</button>
akmms	980823011122	AK	Maju	01610952345	akmaju.acc@gmail.com	Admin	Active	<button>status</button>
chloe1234	970421072992	Chloe	Yau	0126772316	nwks072003@gmail.com	Admin	Active	<button>status</button>
hanhan03	030917148978	Han	Tan	0126772353	neoweng@graduate.utm.my	Staff	Active	<button>status</button>
liza07	040717050093	Liza	Nurul	0126772334	tiewshen@graduate.utm.my	Staff	Active	<button>status</button>
nava1234	980711130098	Nava	Kugan	0186621289	nava@gmail.com	Staff	Disabled	<button>status</button>
Yayayau123	9801071422345	Yau	Yau	011109823456	yau@example.com	Staff	Active	<button>status</button>

Showing 1 to 7 of 7 entries

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Figure 10.1.48 User Management Page

**User Management**  
Home / User Management / Add User

**Add User**

User ID	hanhan03	Identity Card No.	1234
First Name	Lau	Last Name	1234
Password	*****	Phone No.	1122334455
Email address	bobwilliams@example.com	User Type	Admin

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Figure 10.1.49 Add User

**User Management**  
Home / User Management / Edit User

**Edit User**

User ID	akmms	Identity Card No.	980823011122
First Name	AK	Last Name	Maju
Phone No	01610952345	User Type	Admin
Email address	akmaju.acc@gmail.com		

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Figure 10.1.50 Edit User

	A	B	C	D	E	F	G	H	I	J	K
1	User ID	First Name	Last Name	IC No.	Phone No.	Email	Account Status	User Type			
2	akmad123	Akmad	Raju	970518011144	019-2345671	akmad@yahoo.my	Active	Staff			
3	akmms	AK	Maju	980823011122	01610952345	akmaju.acc@gmail.com	Active	Admin			
4	chloe1234	Chloe	Yau	970421072992	0126772316	nwks072003@gmail.com	Active	Admin			
5	hanhan03	Han	Tan	030917148978	0126772353	neoweng@graduate.utm.my	Active	Staff			
6	liza07	Liza	Nurul	040717050093	0126772334	tiewshen@graduate.utm.my	Active	Staff			
7	nava1234	Nava	Kugan	980711130098	0186621289	nava@gmail.com	Disabled	Staff			
8	Yauyau123	Yau		9801071422345	011109823456	yau@example.com	Active	Staff			
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											

Figure 10.1.51 Generate User Excel

The screenshot shows the AK Maju Resources application interface. On the left is a sidebar with various menu items. The main content area is titled "Profile" and displays the user's profile details. The profile details include the user's full name, identity card number, phone number, email, and account type. At the bottom of the page, there are copyright and powered-by links.

Figure 10.1.52 User Profile Page 1

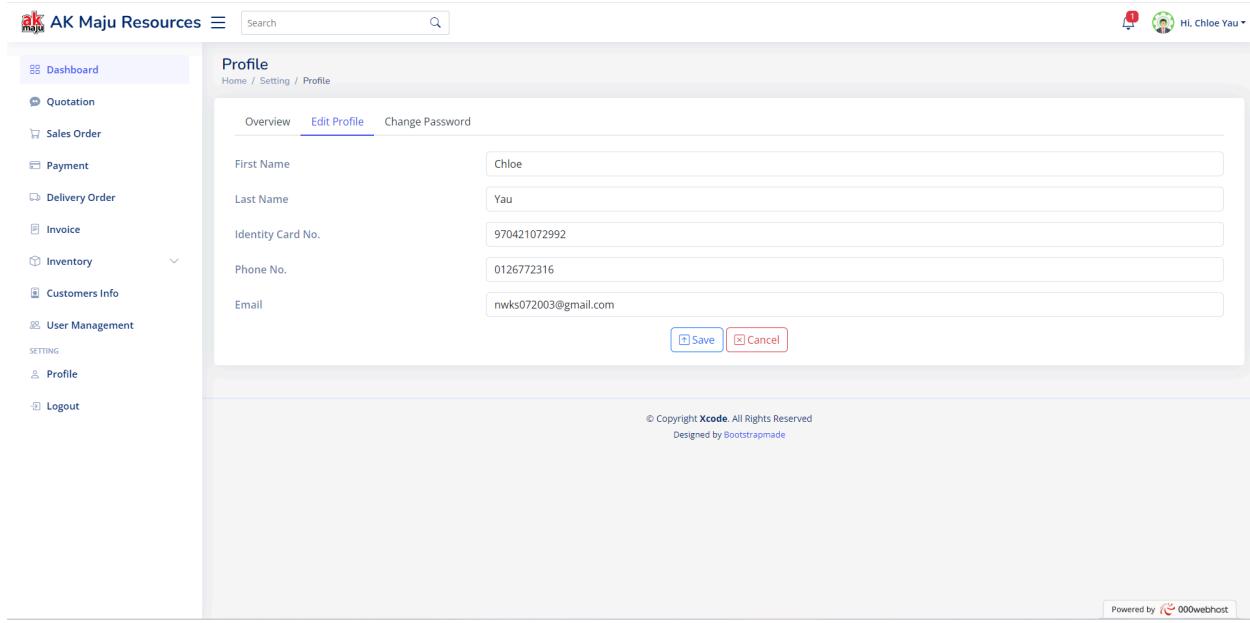


Figure 10.1.53 User Profile Page 2

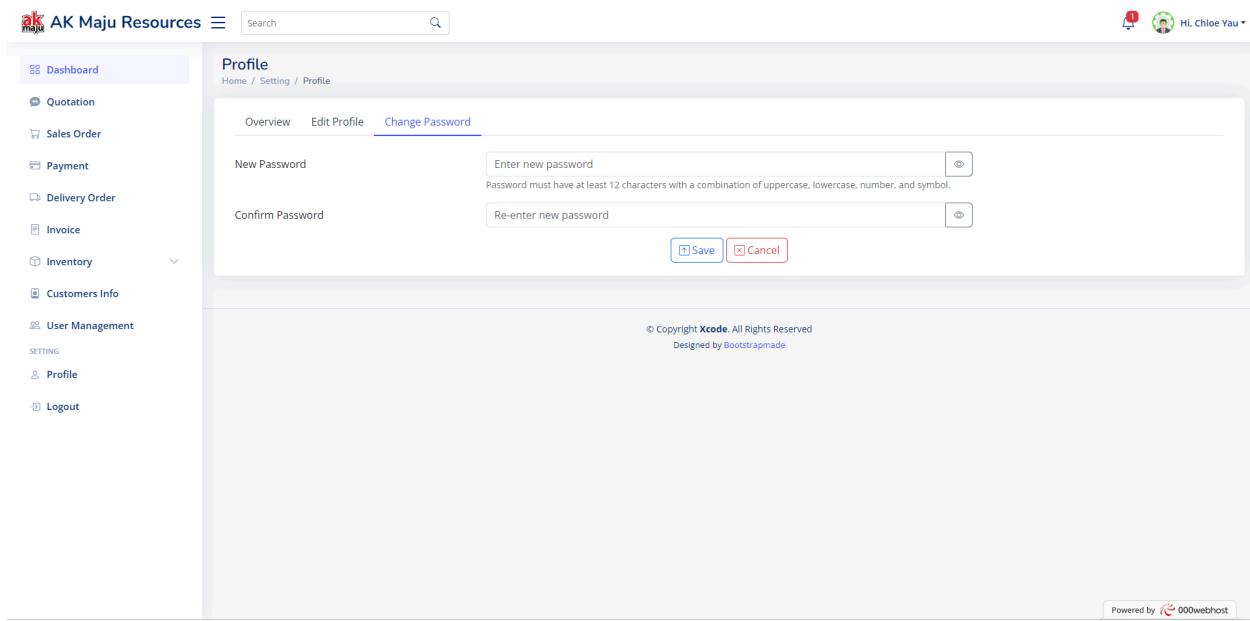


Figure 10.1.54 User Profile Page 3

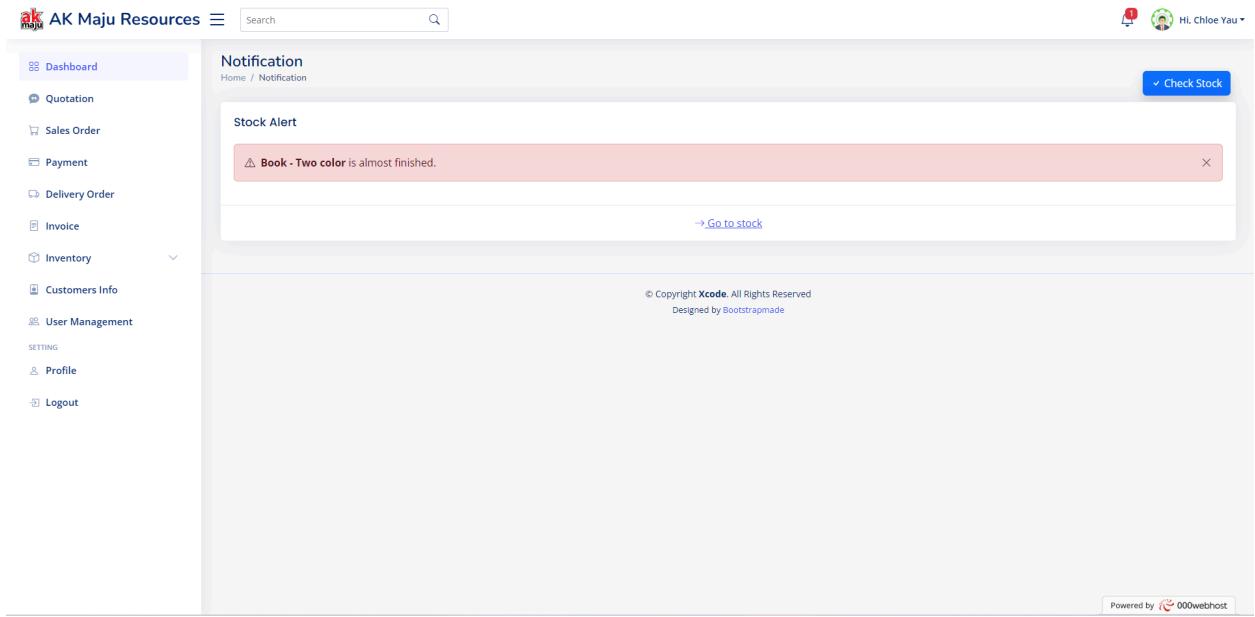


Figure 10.1.55 Notification Page

## Staff

Staff has similar pages as the admin, but staff will not have the access to generate reports, manage users, set stock alerts, and adjust markup rate.

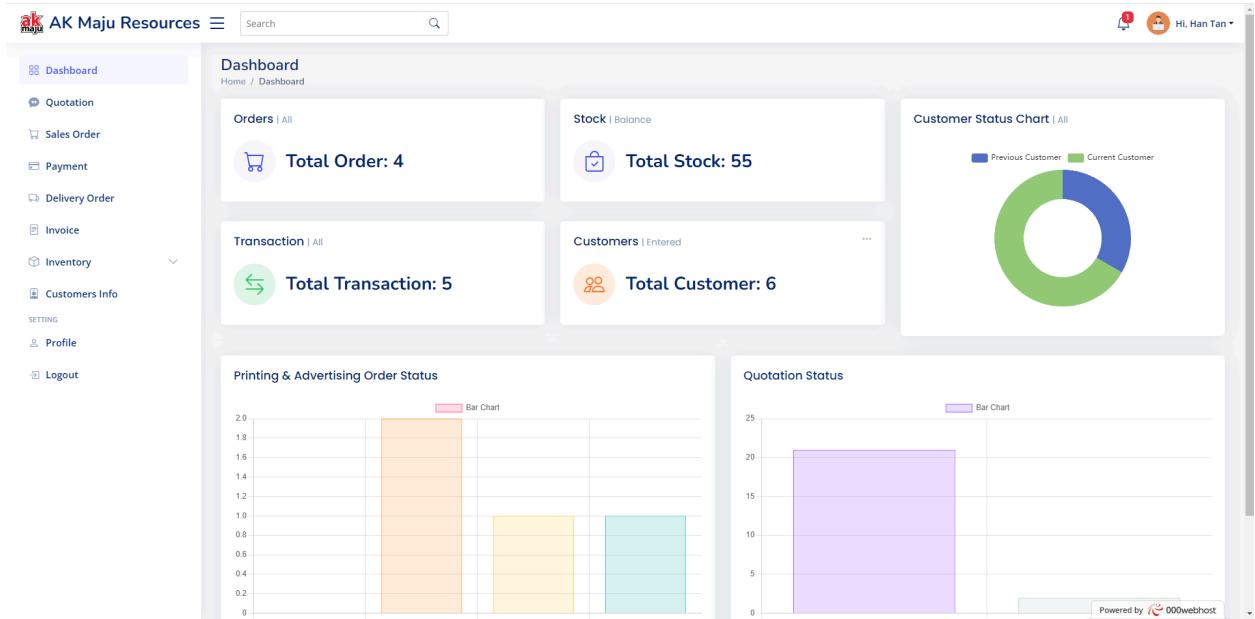


Figure 10.2.1 Reporting and Dashboard Page

AK Maju Resources

The screenshot shows the Quotation page of the AK Maju Resources application. The left sidebar contains navigation links for Dashboard, Quotation, Sales Order, Payment, Delivery Order, Invoice, Inventory, Customers Info, Profile, and Logout. The main content area is titled 'Quotation' and shows a table titled 'Quotation List'. The table has columns: Quotation ID, Customer Name, Address, Email, Contact No., Grand Total, Date, Category, Status, and Action. There are 12 entries listed, each with a unique ID, customer name, address, email, contact number, grand total, date, category (Advertising), status (Approved), and an action button.

Quotation ID	Customer Name	Address	Email	Contact No.	Grand Total	Date	Category	Status	Action
100	Klinik Kesihatan Daerah Segamat	Jln Maju, 71010, Segamat, Johor, Malaysia	kkdsegamat@gmail.com	60-1789345	60.00	2023-12-12	Advertising	Approved	
101	Shen	NO.10, JALAN DENAI 3, TAMAN DENAI PUCHONG, 47100, Puchong, Selangor, Malaysia	shen@gmail.com	016-4399913	610.47	2024-01-17	Advertising	Approved	
102	Klinik Kesihatan Daerah Segamat	Jln Maju, 71010, Segamat, Johor, Malaysia	kkdsegamat@gmail.com	60-1789345	600.45	2024-01-17	Advertising	Approved	
104	Alice Johnson	No 79 Taman Sri Sepang, 78910, Sepang, Selangor, Malaysia	alicejohnson@example.com	011-12345678	20.04	2024-01-17	Advertising	Approved	
106	Balai Polis Daerah Kuantan	Lot 67, Jln Rendah, 88901, Kuantan, Pahang, Malaysia	poliskuantan@yahoo.com.my	016-7789623	400.30	2024-01-17	Advertising	Approved	
107	Balai Polis Daerah Kuantan	Lot 67, Jln Rendah, 88901, Kuantan, Pahang, Malaysia	poliskuantan@yahoo.com.my	016-7789623	200.15	2024-01-17	Advertising	Approved	
108	Balai Polis Daerah Kuantan	Lot 67, Jln Rendah, 88901, Kuantan, Pahang, Malaysia	poliskuantan@yahoo.com.my	016-7789623	20.04	2024-01-17	Advertising	Approved	
111	Bob Williams	321 Pine St, 99238, Sentosa, Others, Singapore	bobwilliams@example.com	019-2345671	40.08	2024-01-17	Advertising	Approved	
112	Alice Johnson	No 79 Taman Sri Sepang, 78910, Sepang,	alicejohnson@example.com	011-12345678	10.02	2024-01-17	Advertising	Approved	

Figure 10.2.2 Quotation Page

AK Maju Resources

The screenshot shows the Order page of the AK Maju Resources application. The left sidebar contains navigation links for Dashboard, Quotation, Sales Order, Payment, Delivery Order, Invoice, Inventory, Customers Info, Profile, and Logout. The main content area is titled 'Order' and shows a table titled 'Order List'. The table has columns: Order ID, Quotation ID, Staff Incharge, Remark, Payment Status, Order Status, and Action. There are 4 entries listed, each with a unique ID, quotation ID, staff incharge, remark, payment status, order status, and an action button.

Order ID	Quotation ID	Staff Incharge	Remark	Payment Status	Order Status	Action
110	106	Han Han	For the Company A	Unpaid	Delivery Order Generated	
111	107	Liza Nurul	Need to remind him to pay	Unpaid	Delivery Order Generated	
109	104	Shen	So far so good	Partially paid	Invoice issued	
100	100	Wong	No remark so far	Paid	Completed	

Showing 1 to 4 of 4 entries

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Figure 10.2.3 Sales Order Page

The screenshot shows the 'Payment' section of the AK Maju Resources application. The left sidebar includes links for Dashboard, Quotation, Sales Order, Payment (selected), Delivery Order, Invoice, Inventory, Customers Info, Setting, Profile, and Logout. The main content area is titled 'Payment' and shows a 'Payment List'. It includes a search bar, a dropdown for 'entries per page' set to 10, and a 'Search...' input field. A table lists 10 payment entries with columns: Payment ID, Order ID, Payment Date, Customer Name, Payment Amount, Payment Type, Proof of Payment, and Action. The table footer indicates 'Showing 1 to 5 of 5 entries'. The bottom right corner shows 'Powered by 000webhost'.

Payment ID	Order ID	Payment Date	Customer Name	Payment Amount	Payment Type	Proof of Payment	Action
1	100	2024-01-15	John Doe	60	Online Banking	/storage/ssd2/437/21798437/public_html/uploads/Lab 4 plus new (for Students).pdf	
7	109	2024-01-18	ali	100	Cash	/storage/ssd2/437/21798437/public_html/uploads/QT100.pdf	
8	100	2024-01-18	Shen	600	Cash	/storage/ssd2/437/21798437/public_html/uploads/Test.pdf	
9	110	2024-01-19	ahlai	234	Online Banking	/storage/ssd2/437/21798437/public_html/uploads/Group 4 DSA_MiniProject.pdf	
10	109	2024-01-30	Alice Johnson	20	Online Banking	/storage/ssd2/437/21798437/public_html/uploads/SECJ2013_FINAL.pdf	

Figure 10.2.4 Payment Page

The screenshot shows the 'Delivery Order' section of the AK Maju Resources application. The left sidebar includes links for Dashboard, Quotation, Sales Order, Payment, Delivery Order (selected), Invoice, Inventory, Customers Info, Setting, Profile, and Logout. The main content area is titled 'Delivery Order' and shows a 'Delivery Order List'. It includes a search bar, a dropdown for 'entries per page' set to 10, and a 'Search...' input field. A table lists 4 delivery order entries with columns: Delivery Order ID, Order ID, Quotation ID, Customer Name, Items, Date, and Action. The table footer indicates 'Showing 1 to 4 of 4 entries'. The bottom right corner shows 'Powered by 000webhost'.

Delivery Order ID	Order ID	Quotation ID	Customer Name	Items	Date	Action
105	100	100	Klinik Kesihatan Daerah Segamat	Book printing	2023-12-04	
111	109	104	Alice Johnson	Poster - A2 size poster	2024-01-19	
110	110	106	Balai Polis Daerah Kuantan	Book - Two color	2024-01-17	
112	111	107	Balai Polis Daerah Kuantan	Book - Two color	2024-01-30	

Figure 10.2.5 Delivery Order Page

**Invoicing**

Home / Invoice

**Invoice List**

Invoice ID	Order ID	Quotation ID	Delivery Order ID	Customer	Payment Status	Invoice Upfront	Invoice Balance	Action
127	110	106	110	Balai Polis Daerah Kuantan	Unpaid	0.00	400.30	
129	109	104	111	Alice Johnson	Partially paid	0.00	20.04	
110	100	100	105	Klinik Kesihatan Daerah Segamat	Paid	20.00	1180.00	
124	100	100	105	Klinik Kesihatan Daerah Segamat	Paid	0.00	60.00	
126	100	100	105	Klinik Kesihatan Daerah Segamat	Paid	0.00	60.00	

Showing 1 to 5 of 5 entries

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Figure 10.2.6 Invoice Page

**Stock Management**

Home / Inventory / Stock

**Stock List**

Item ID	Item Name	Description	Cost	Price	Quantity	Category	Action
1	Book	Two color	200.15	290.22	5	Printing & Advertising	
2	Poster	A2 size poster	10.00	14.80	20	Printing & Advertising	
11	Magazines	The One Magazines	21.00	21.42	10	Printing & Advertising	
12	paper	a4	50.00	62.50	20	Printing & Advertising	

Showing 1 to 4 of 4 entries

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Figure 10.2.7 Stock Page

**JKR Material**

Home / Inventory / JKR List

**JKR Material List**

10 entries per page

Material ID	Material Name	Description	Cost (RM)	Unit	Category	Action
8	kayu	kayu 15 meter	53.00	batang	Civil	
9	kayu	kayu 15 meter	10.00	batang	Civil	
11	Pendawaiian	Bi-metallic connector	141.80	satu	Electric	
14	wire	kayu 14	20.00	batang	Electric	
15	Pengasing	dwi kutub jenis satu fasa, bertebat penuh, 20A	73.40	satu	Electric	
16	Pipe	The paint blue	23.00	Meter	Civil	
17	papan	nipis	60.50	meter	Civil	

Showing 1 to 7 of 7 entries

**Electric Rate Charged List**

10 entries per page

Powered by

Figure 10.2.8 JKR Material Page

**AK Maju Resources**

Home / Customer Management

**Customer Management**

Customer List

10 entries per page

Customer ID	Customer Name	Phone No.	Email	Street	Postcode	City	State	Country	Status	Action
9	Klinik Kesihatan Daerah Segamat	60-1789345	kkdsegamat@gmail.com	Jln Maju	71010	Segamat	Johor	Malaysia	Active	
10	Balai Polis Daerah Kuantan	016-7789623	poliskuantan@yahoo.com.my	Lot 67, Jln Rendah	88901	Kuantan	Pahang	Malaysia	Active	
11	Alice Johnson	011-12345678	alicejohnson@example.com	No 79 Taman Sri Sepang	78910	Sepang	Selangor	Malaysia	Active	
12	Bob Williams	019-2345671	bobwilliams@example.com	321 Pine St	99238	Sentosa	Others	Singapore	Active	
23	Shen	016-4399913	shen@gmail.com	NO.10, JALAN DENAI 3, TAMAN DENAI PUCHONG	47100	Puchong	Selangor	Malaysia	Disabled	
25	Chuan Shen	0167894536	tiewcshen@gmail.com	NO.10	47100	Puchong	Selangor	Malaysia	Disabled	

Showing 1 to 6 of 6 entries

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Figure 10.2.9 Customer Management Page

The screenshot shows the 'Profile' section of the AK Maju Resources application. The left sidebar contains navigation links for Dashboard, Quotation, Sales Order, Payment, Delivery Order, Invoice, Inventory, Customers Info, Setting, Profile, and Logout. The main content area is titled 'Profile' and shows the user's details: Han Tan (Full Name), 030917148978 (Identity Card No.), 0126772353 (Phone No.), neoweng@graduate.utm.my (Email), and Staff (Account Type). There are tabs for Overview, Edit Profile, and Change Password. At the bottom, there is a copyright notice: © Copyright Xcode. All Rights Reserved and Designed by Bootstrapmade.

Figure 10.2.10 User Profile Page

The screenshot shows the 'Notification' section of the AK Maju Resources application. The left sidebar is identical to Figure 10.2.10. The main content area is titled 'Notification' and shows a 'Stock Alert' message: '⚠ Book - Two color is almost finished.' A blue button labeled 'Check Stock' is visible. At the bottom, there is a copyright notice: © Copyright Xcode. All Rights Reserved and Designed by Bootstrapmade.

Figure 10.2.11 Notification Page

## 11.0 Alpha and Beta Testing Reports

State	Test Description	Expected Outcome	Actual Outcome	Comments(Any changes to be made)
View Invoice List	Admin/Staff tries to view the table-formatted invoice list.	The user should be presented with the invoice list in table form, with all details in the appropriate format.	The user is presented with the invoice list in table form, with all details in the appropriate format.	N/A
Update invoice	Staff and admin try to update the invoice details.	The system should successfully update the invoice details, which should then be shown in the invoice table and database.	The system successfully updated the invoice details, which were then shown in the invoice table and database.	N/A
Generate Invoice	Staff/Admin tries to add create a PDF invoice	The invoice PDF should successfully generate with the correct data and format.	The invoice PDF is successfully created with the right data and format.	N/A
View Delivery Order List	Admin/Staff tries to see the table-formatted delivery order list.	The user should be presented with the delivery order list in table form, with all details in the appropriate format.	The user is presented with the delivery order list in table form, with all details in the appropriate format.	N/A
Generate Delivery Order	Staff/Admin tries to add and generate a delivery order in PDF.	The delivery order PDF should correctly generate with the appropriate	The delivery order PDF is successfully created with the	N/A

		information and format.	right data and format.	
View Quotation List	Admin/Staff attempts to view the quotation list in table form.	The quotation list should be presented to the user in table form with details in correct format	The quotation list is presented to the user in table form with details in correct format	N/A
Create Advertising Quotation	Admin/Staff attempts to create the advertising quotation.	The advertising quotation details should be successfully created by the system and displayed in the quotation table and database.	The advertising quotation details successfully created by the system and displayed in the quotation table and database.	N/A
Create Construction Quotation	Admin/Staff attempts to create the construction quotation.	The construction quotation details should be successfully created by the system and displayed in the quotation table and database.	The construction quotation details successfully created by the system and displayed in the quotation table and database.	N/A
Generate Quotation	Admin/Staff attempts to generate quotation in pdf	The quotation pdf should be generated successfully in correct format and information	The quotation pdf is generated successfully in correct format and information	N/A
Calculate Total Cost Quotation	Admin/Staff attempts to generate quotations with automated calculated total cost displayed while adding the	The total cost quotation should be auto calculated and displayed in the quotation details.	The total cost quotation is auto calculated and displayed in the quotation details	N/A

	product or item.			
View Payment List	Admin/Staff attempts to view the payment list in table form.	The payment list should be presented to the user in table form with details in correct format	The payment list is presented to the user in table form with details in correct format	N/A
Add Payment	Admin/Staff attempts to add the payment.	The payment details should be successfully created by the system and displayed in the payment table and database.	The payment details were successfully created by the system and displayed in the payment table and database.	N/A
Edit Payment	Admin/Staff attempts to edit the payment.	The payment details should be successfully updated by the system and displayed in the payment table and database.	The payment details were successfully updated by the system and displayed in the payment table and database.	N/A
Generate Payment	Admin/Staff attempts to generate payment in excel	The payment excel should be generated successfully in correct format and information	The payment excel is generated successfully in correct format and information	N/A
View Order Status	Admin/Staff attempts to view the order status list in table form.	The order status list should be presented to the user in table form with details in correct format	The order status list is presented to the user in table form with details in correct format	N/A
Update Order Status	Admin/Staff attempts to	The order status details should be	The order status	N/A

	update the order status.	successfully updated by the system and displayed in the order table and database.	details were successfully updated by the system and displayed in the order table and database.	
View Customer List	Admin/Staff attempts to view the customer list in table form.	The customer list should be presented to the user in table form with details in correct format.	The customer list is presented to the user in table form with details in correct format.	N/A
Add Customer	Admin/Staff attempts to add new customers.	The new customer details should be added successfully and shown in the customer table list.	The new customer details were added successfully and shown in the customer table list.	N/A
Edit Customer Details	Admin/Staff attempts to edit the customer details.	The customer details should be edited successfully and shown edited details in the customer table list.	The customer details were edited successfully and shown edited details in the customer table list.	N/A
Generate Customer List In Excel Format	Admin/Staff attempts to export customer data to Excel format.	Excel file with current customer data should be downloaded.	Excel files with current customer data were downloaded and are able to open.	N/A
View Stock List	Admin/Staff attempts to view the stock list in table form.	The stock list should be presented to the user in table form with details in correct format.	The stock list is presented to the user in table form with details in correct format.	N/A
Add Stock	Admin/Staff attempts to add stock.	The stock details should be added successfully and shown in the stock table list.	The stock details were added successfully and shown in the stock table list.	N/A

Edit Stock	Admin/Staff attempts to edit the stock.	The stock should be edited successfully and shown edited details in the stock list.	The stock was edited successfully and shown edited details in the stock list.	N/A
Generate Stock List In Excel Format	Admin/Staff attempts to export stock data to Excel format.	Excel file with current stock data should be downloaded.	Excel files with current stock data were downloaded and are able to open.	N/A
View JKR Material list	Admin/Staff attempts to view the JKR material list in table form.	The JKR material list should be presented to the user in table form with details in correct format.	The JKR material list is presented to the user in table form with details in correct format.	N/A
Add JKR Material	Admin/Staff attempts to add material.	The material details should be added successfully and shown in the JKR material table list.	The material details were added successfully and shown in the JKR material table list.	N/A
Edit JKR Material	Admin/Staff attempts to edit material.	The material should be edited successfully and shown edited details in the JKR material list.	The material was edited successfully and shown edited details in the JKR material list.	N/A

Ranking activities based from “Excellent” to “Weak” based on their importance during the testing:

1. Weak
2. Good
3. Very Good
4. Excellent

## Staff

Testing Activities	1	2	3	4
User attempts to login to the system.				✓
User attempts to reset the password.				✓
User attempts to create an advertising quotation.				✓
User attempts to create a construction quotation.				✓
User attempts to view quotation details in generated pdf quotation.				✓
User attempts to update the order status.				✓
User attempts to add a new payment.				✓
User attempts to upload proof of payment.				✓
User attempts to update payment and change proof of payment.				✓
User attempts to view proof of payment.				✓
User attempts to view invoice list				✓
User attempts to update invoice				✓
User attempts to generate invoice				✓
User attempts to view delivery order list				✓
User attempts to generate delivery order				✓
User attempts to add a new customer.				✓
User attempts to edit customer details.				✓
User attempts to export customer data to Excel format.				✓
User attempts to add stock.				✓
User attempts to edit stock details.				✓
User attempts to export stock data to Excel format.				✓
User attempts to add JKR material.				✓
User attempts to edit JKR material details.				✓

## Admin

Testing Activities	1	2	3	4
User attempts to login to the system..				✓
User attempts to reset the password.				✓
User attempts to create an advertising quotation.				✓
User attempts to create a construction quotation.				✓
User attempts to view quotation details in generated pdf quotation.				✓
User attempts to update the order status.				✓
User attempts to add a new payment.				✓
User attempts to upload proof of payment.				✓
User attempts to update payment and change proof of payment.				✓
User attempts to view proof of payment.				✓
User attempts to view invoice list				✓
User attempts to update invoice				✓
User attempts to generate invoice				✓
User attempts to view delivery order list				✓
User attempts to generate delivery order				✓
User attempts to add a new customer.				✓
User attempts to edit customer details.				✓
User attempts to export customer data to Excel format.				✓
User attempts to add stock.				✓
User attempts to edit stock details.				✓
User attempts to export stock data to Excel format.				✓
User attempts to add JKR material.				✓

User attempts to edit JKR material details.				<input checked="" type="checkbox"/>
User attempts to set the stock alert level.				<input checked="" type="checkbox"/>
User attempts to generate a stock report in pdf format.				<input checked="" type="checkbox"/>
User attempts to generate a transaction report in pdf format.				<input checked="" type="checkbox"/>
User attempts to generate a revenue report in pdf format.				<input checked="" type="checkbox"/>
User attempts to add a new user.				<input checked="" type="checkbox"/>
User attempts to edit others user details.				<input checked="" type="checkbox"/>
User attempts to export user data to Excel format.				<input checked="" type="checkbox"/>
User attempts to activate an user account status.				<input checked="" type="checkbox"/>
User attempts to deactivate an user account status.				<input checked="" type="checkbox"/>
User attempts to adjust the markup rate.				<input checked="" type="checkbox"/>

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I, hereby Tiew Chuan Shen as the QA Engineer of Xcode team, agree that the AK Maju Resources Management System developed by group Xcode has fulfilled the minimum requirements function of the system that was requested by the client.

Signature,

*Tiew Chuan Shen*

(Tiew Chuan Shen)

Date

2/02/2024

## 12.0 UAT Reports

### 12.1 Admin Acceptance Testing

Test Case ID	Acceptance Criteria	Test Scenario	Test Data	Expected Outcome	Actual Outcome	Status (Pass/Fail)
TC001	Admin can view a list of invoices.	1. Click on 'product' from the navigation bar.	none	Admin able to view a list of invoices.	Admin able to view a list of invoices.	Pass
TC002	Admin can view invoice pdf	1. Click on confirm	none	Admin able to view invoice pdf	Admin able to view invoice pdf	Pass
TC003	Admin can edit invoices.	1. Click on 'edit invoice'. 2. Change details and submit.	Invoice_upfront: RM100.00	Admin successfully edit invoice details.	Admin successfully edit invoice details.	Pass
TC004	Admin can view Delivery Order (DO).	1. Click on 'view DO details'.	none	Admin able to view DO details.	Admin able to view DO details.	Pass
TC005	Admin can view delivery order pdf	1. Click on confirm	none	Admin able to view delivery order pdf	Admin able to view delivery order pdf	Pass
TC006	Admin can create new advertising quotation.	1. Click on "Add" and "Advertising" on the drop down button. 2. Select quotation details.	Payment Term: CASH Customer: Alice Johnson Product: Book Quantity: 3	Admin able to create advertising quotation.	Admin able to create advertising quotation.	Pass

		3. Select existing customers. 4. Add product and select quantity. 5. Click “Save”.				
TC007	Admin can create new construction quotation.	1. Click on “Add” and “Cosntruct ion” on the drop down button. 2. Select quotation details. 3. Select existing customers. 4. Add item and select quantity. 5. Click “Save”.	Payment Term: CASH Category: Civil Customer: Bobs Williams State: Kedah Product: Kayu Quantity: 3	Admin able to create construction quotation.	Admin able to create construction quotation.	Pass
TC008	Admin can generate and view quotation details in pdf.	1. Click on the pdf button.	none	Admin able to view quotation details in pdf.	Admin able to view quotation details in pdf.	Pass
TC009	Admin can approve	1. Click on approve	none	Admin able to approve	Admin able to approve	Pass

	quotations after being created.	button		quotations.	quotation	
TC010	Admin can update order status.	1. Click on the update button. 2. Select staff incharge 3. Fill in remark 4. Select payment status and order status.	Staff incharge: Liza Nurul Remark: No remark so far. Payment status: Partially paid Order Status: Delivery Order Generated	Admin able to update order status.	Admin able to update order status.	Pass
TC011	Admin can add payment.	1. Click on “Add” button. 2. Select Date. 3. Select customer name. 4. Insert payment amount. 5. Select payment type. 6. Upload proof of payment. 7. Click “Save”	Customer name: Alice Johnson Payment amount: 50 Payment type: Cash Proof of payment file: paymentproof.pdf	Admin able to add payment.	Admin able to add payment.	Pass
TC012	Admin can	1. Click on	Customer	Admin able to	Admin able to	Pass

	update payment.	update button. 2. Change details payment and change proof of payment file.	name: Alice Johnson Payment amount: 60 Payment type: Online Banking Proof of payment file: paymentproof2.pdf	update payment.	update payment.	
TC013	Admin can view proof of payment.	1.. Click on the pdf button	none	Admin able to view proof of payment.	Admin able to view proof of payment.	Pass

## 12.2 Staff Acceptance Testing

Test Case ID	Acceptance Criteria	Test Scenario	Test Data	Expected Outcome	Actual Outcome	Status (Pass/ Fail)
TC001	Staff can view a list of invoices.	1. Click on ‘product’ from the navigation bar.	none	Staff able to view a list of invoices.	Staff able to view a list of invoices.	Pass
TC002	Staff can view invoice pdf	1. Click on confirm	none	Staff able to view invoice pdf	Staff able to view invoice pdf	Pass
TC003	Staff can edit invoices.	1. Click on ‘edit invoice’. 2. Change details and submit.	Invoice_upfront: RM100.00	Staff successfully edit invoice details.	Staff successfully edit invoice details.	Pass
TC004	Staff can view Delivery	1. Click on ‘view DO details’.	none	Staff able to view DO details.	Staff able to view DO details.	Pass

	Order (DO).					
TC005	Staff can view delivery order pdf	1. Click on confirm	none	Staff able to view delivery order pdf	Staff able to view delivery order pdf	Pass
TC006	Staff can create new advertising quotation.	1. Click on “Add” and “Advertising” on the drop down button.  2. Select quotation details.  3. Select existing customers.  4. Add product and select quantity.  5. Click “Save”.	Payment Term: CASH  Customer: Alice Johnson  Product: Book  Quantity: 3	Staff able to create advertising quotation.	Staff able to create advertising quotation.	Pass
TC007	Staff can create new construction quotation.	1. Click on “Add” and “Cosntruction” on the drop down button.  2. Select quotation details.  3. Select existing customers. 4. Add	Payment Term: CASH  Category: Civil  Customer: Bobs Williams  State: Kedah  Product: Kayu  Quantity: 3	Staff able to create construction quotation.	Staff able to create construction quotation.	Pass

		item and select quantity. 5. Click “Save”.				
TC008	Staff can generate and view quotation details in pdf.	1. Click on the pdf button.	none	Staff able to view quotation details in pdf.	Staff able to view quotation details in pdf.	Pass
TC009	Staff can approve quotations after being created.	1. Click on approve button	none	Staff able to approve quotations.	Staff able to approve quotation	Pass
TC010	Staff can update order status.	1. Click on the update button. 2. Select staff incharge 3. Fill in remark 4. Select payment status and order status.	Staff incharge: Liza Nurul Remark: No remark so far. Payment status: Partially paid Order Status: Delivery Order Generated	Admin able to update order status.	Staff able to update order status.	Pass
TC011	Staff can add payment.	1. Click on “Add” button. 2. Select Date. 3. Select customer	Customer name: Alice Johnson Payment amount: 50 Payment type: Cash	Staff able to add payment.	Staff able to add payment.	Pass

		<p>name.</p> <p>4. Insert payment amount.</p> <p>5. Select payment type.</p> <p>6. Upload proof of payment.</p> <p>7. Click “Save”</p>	<p>Proof of payment file: paymentproof.pdf</p>			
TC012	Staff can update payment.	<p>1. Click on update button.</p> <p>2. Change details payment and change proof of payment file.</p>	<p>Customer name: Alice Johnson</p> <p>Payment amount: 60</p> <p>Payment type: Online Banking</p> <p>Proof of payment file: paymentproof2.pdf</p>	<p>Staff able to update payment.</p>	<p>Staff able to update payment.</p>	Pass
TC013	Staff can view proof of payment.	1.. Click on the pdf button	none	<p>Staffable to view proof of payment.</p>	<p>Staffable to view proof of payment.</p>	Pass

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I, hereby Joseph Lau Yeo Kai as the Requirement Analyst of Xcode team, agree that the AK Maju Resources Management System developed by group Xcode has fulfilled the minimum requirements function of the system that was requested by the client.

Signature,

*Joseph Lau Yeo Kai*

Date

2/02/2024

(Joseph Lau Yeo Kai)

## 13.0 Gantt Chart

The name abbreviations used in the gantt chart are:

1. Neo Zheng Weng = W
2. Joseph Lau Yeo Kai = J
3. Wong Khai Shian Nicholas = N
4. Tiew Chuan Shen = TS

Gantt chart: <https://sharing.clickup.com/9003258555/g/h/8ca5mnv-522/da5d5d6c7afe7a9>

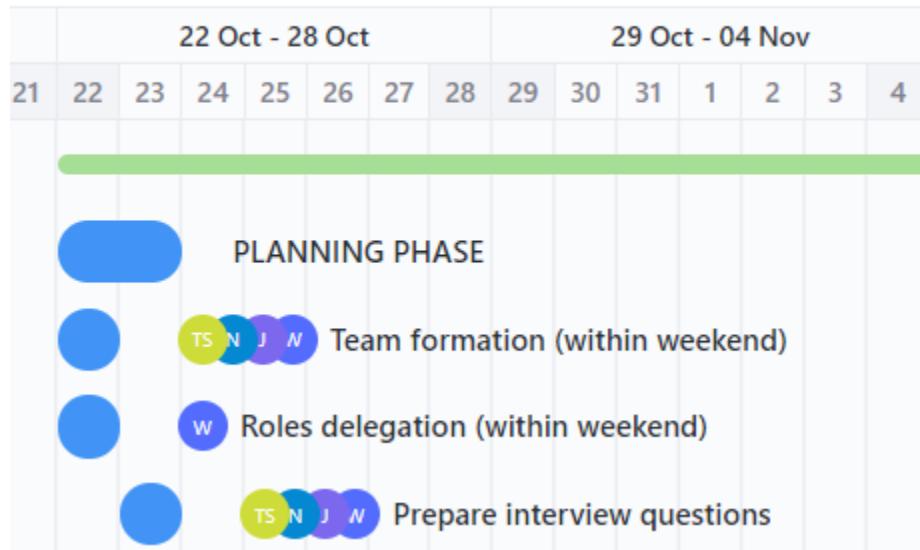


Figure 13.1 Planning Phase

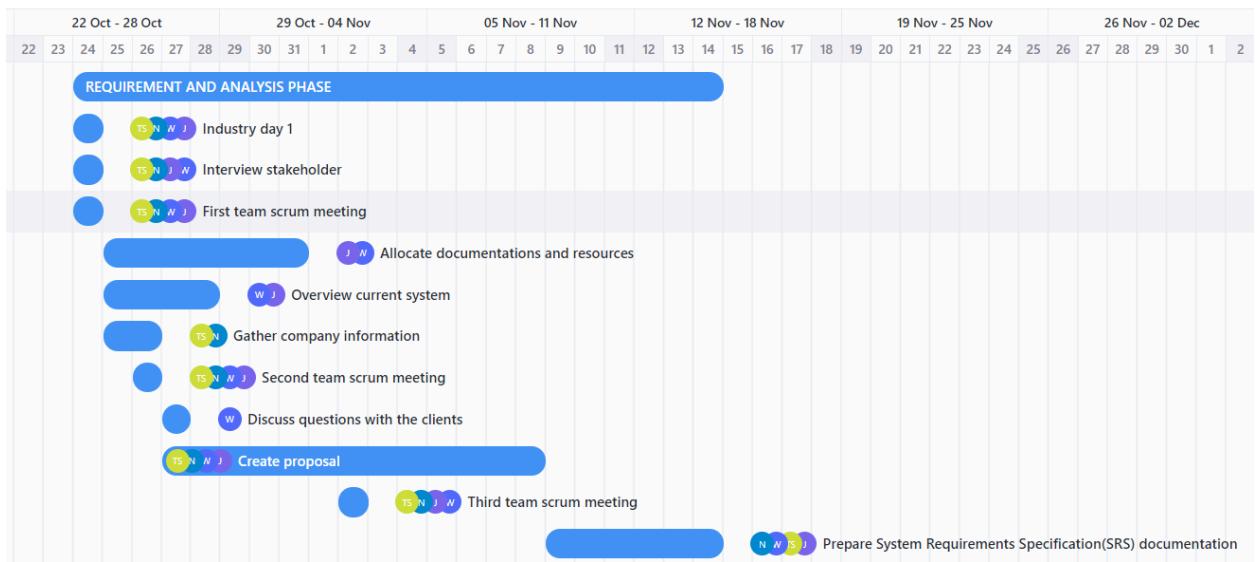


Figure 13.2 Requirement And Analysis Phase

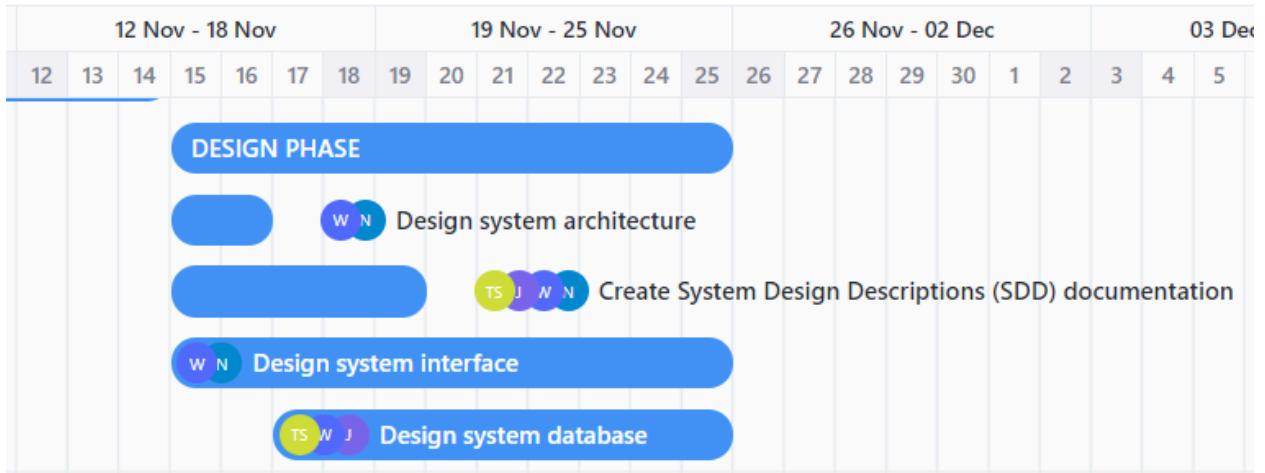


Figure 13.3 Design Phase

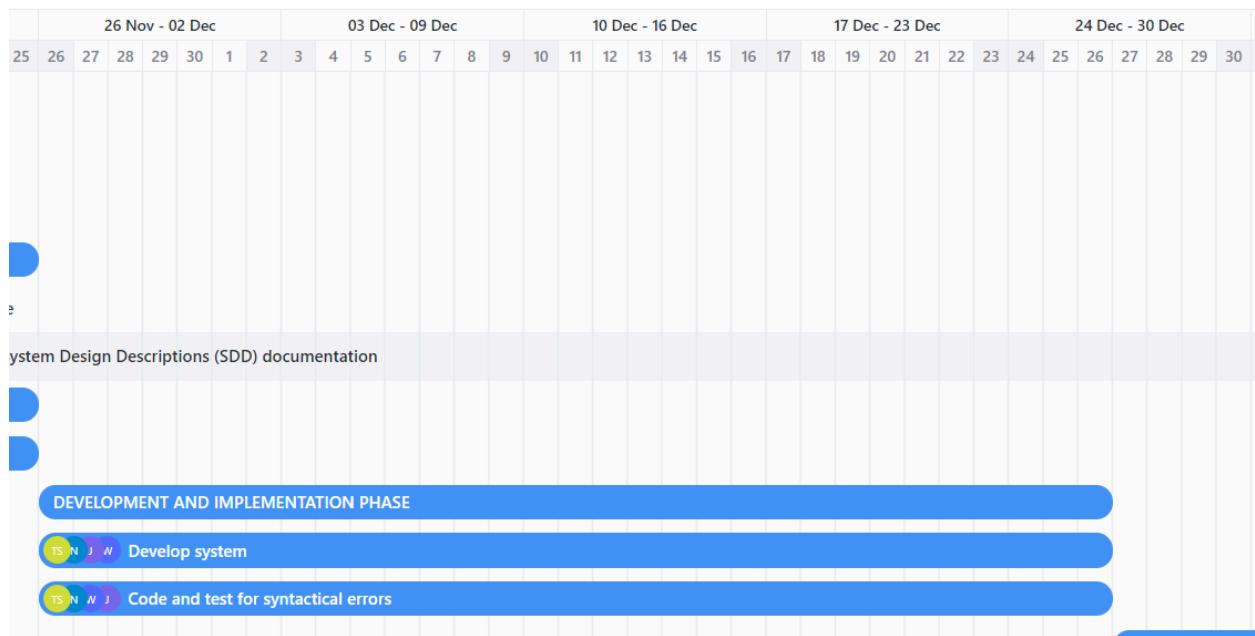


Figure 13.4 Development And Implementation Phase

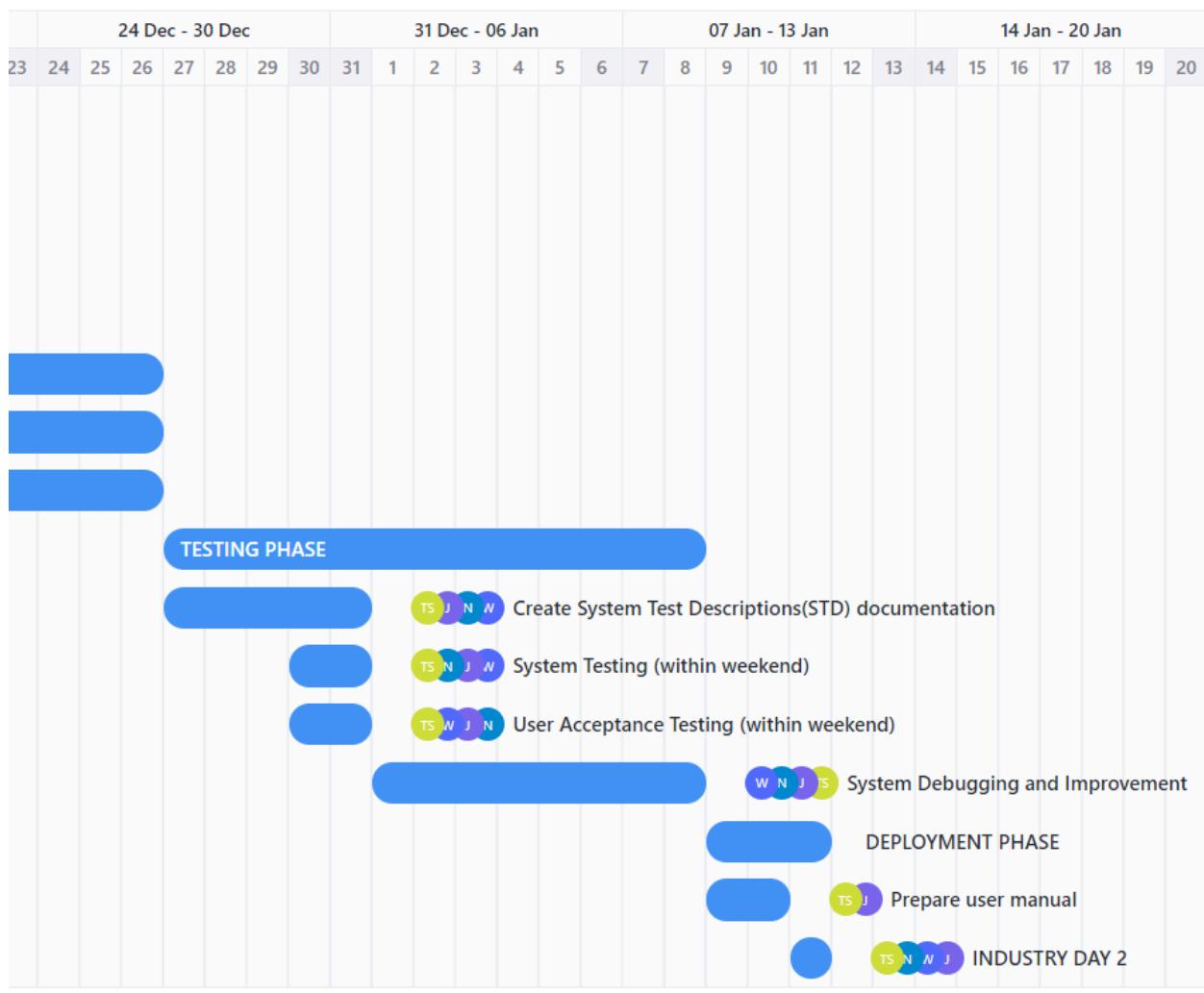


Figure 13.5 Testing Phase and Deployment Phase