

**JOURNAL OF ACCOUNTING AND FINANCE
MANAGEMENT (JAFM)**E-ISSN : 2721-3013
P-ISSN : 2721-3005<https://dinastires.org/JAFM>dinasti.info@gmail.com

+62 811 7404 455

DOI: <https://doi.org/10.38035/jafm.v5i4>Received: September 5th 2024, Revised: September 13th 2024, Publish: September 22nd 2024<https://creativecommons.org/licenses/by/4.0/>

Online Reservation Management System to Increase Transaction Efficiency at MOMENKITA Photo Studio

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Abstract: “Momenkita Studio” is a small and medium-sized enterprise (SME) operating in the creative industry, specifically as a photo studio. It faces challenges with management that has not yet been optimized. Some noticeable obstacles include the lack of a structured customer record system, often complicated scheduling, and unclear monitoring of studio activities. This inefficient management can lead to schedule overlaps, neglect in record-keeping, and difficulties in tracking payment transactions. This study uses a qualitative method. Therefore, there is a need for a solution that can improve management efficiency. This research discusses the design and development of a web-based customer record application aimed at enhancing management efficiency at “Momenkita Studio” using the waterfall method. This process includes analysis, design, coding, testing, and support stages. The website is designed to simplify the processes of recording, scheduling, and monitoring studio activities, allowing users to focus on the creative aspects of their work.

Keyword: Company Efficiency, Company Management, Website

INTRODUCTION

In an increasingly competitive and complex business environment, companies around the world are looking for innovative ways to improve their operational efficiency. The key to achieving sustainable growth and maintaining competitiveness in the global market lies in corporate efficiency. One increasingly relevant solution to achieve this goal is through the implementation of Web-based corporate management applications, especially in photo studio companies. The Web is a design that allows client devices to run the process of requesting data, and the server is responsible for sending data in response, (Rizal et al., 2022).

One of the most popular media in the business world, especially in marketing, is the internet, which allows for easy and fast dissemination of information in the global information

era. The web is one of many internet facilities, one of which is the World Wide Web, or WWW, which is also known as a website. This website can accommodate and provide a variety of information in large quantities, because information is spread throughout the world. In addition, websites can display text, graphics, sound, and video simultaneously, which allows for faster and more efficient web design, (Llahi et al., 2023).

The efficiency of company management plays an important role in supporting customer retention. As the core of efficient operations, good company management is able to provide responsive and quality services to customers. Structured and automated processes allow companies to respond quickly to customer needs, reduce response time to complaints, and increase customer satisfaction. In addition, management efficiency allows companies to focus on improving the quality of products or services, which are key factors in maintaining customer trust. According to research by the Harvard Business Review, increasing customer retention by 5% can increase company profits by 25-95%. Satisfied customers tend to be more loyal, make repeat purchases, and provide positive references to others.

"Momenkita Studio" in scheduling photo sessions and meetings with customers is still done manually, so it becomes complicated without an effective schedule management tool. Presentation and portfolio management are difficult in physical form, and the studio must rely on photo prints. So website-based company management is needed to overcome existing problems. This application is designed to help companies overcome challenges in customer management in an efficient and structured way. This application allows for more efficient collection and storage of customer data. In addition, there will be transparency between business owners and employees, so that fraud will be minimized. As Allah SWT says in QS. Al Maidah verse 8:

إِنَّمَا يَفْتَرِي الْكَذِبَ الَّذِينَ لَا يُؤْمِنُونَ بِاللَّهِ وَأُولَئِكَ هُمُ الْكَاذِبُونَ

Which means: "Indeed, those who invent lies are only those who do not believe in the verses of Allah, and they are liars" (QS. Al Maidah verse 8).

The management of "Momenkita Studio" is often faced with various obstacles that require innovative solutions, and the use of a website can be the right answer. One of the obstacles faced is the management of customer records and the efficiency of overall photo studio management. By implementing a website, "Momenkita Studio" can overcome these obstacles by providing a centralized platform for company management, transaction recording, and performance monitoring. In addition, the website also allows the company to increase online visibility, expand market reach, and increase interaction with customers. By integrating web technology into company management, "Momenkita Studio" is expected to be able to overcome these obstacles, optimize operations, and improve the overall customer experience.

However, when considering implementing a Web-based enterprise management application, companies need to ensure that corporate data is safe and secure from cyber threats. Corporate data security is of utmost importance, given the large amount of sensitive data stored in such applications. Good corporate data protection efforts are key to successfully implementing these applications.

The focus of the research is on the design and implementation of company management applications which include the design of customer management, namely the photo shoot schedule reservation system, which is done online, transaction management, namely payment for photo shoot services, purchase of studio equipment, report management, namely customer reports, weekly, monthly, and annual transaction reports, user management, namely user access rights for the application. In addition, this research will provide a deep understanding for researchers, business practitioners, and decision makers about how technology can be an effective medium in increasing company efficiency and strengthening customer relationships.

Thus, this study has significant relevance in a changing and competitive business environment. With the formulation of the problem how websites can improve the efficiency of company management, especially in "Momenkita Studio". The purpose of this study is to analyze how the use of websites can improve the efficiency of company management. This study is expected to be useful that the use of websites can improve company efficiency.

METHOD

Research Methods and Procedures

This study uses a qualitative method. Qualitative methods are descriptive research methods that tend to use analysis to understand human social problems presented verbally obtained from information sources, (Rozy Hrp & Tambunan, 2023)

The design of the company management system at "Momenkita Studio" uses a waterfall. According to (Solehudin et al., 2023). The waterfall or classic life cycle research model, the waterfall research model provides software sequentially or sequentially starting from analysis (analytics), design (design), coding (code), testing and support stages (supportsystem). The stages in the waterfall method are as follows: (Olindo & Syaripudin, 2022).

- 1) Requirement: At this stage, the developer must know all the information about the software needs such as the software uses desired by the user and the software limitations. This information is usually obtained from interviews, surveys, or discussions. After that, the information is analyzed to obtain complete data regarding the user's needs for the software to be developed.
- 2) Design: The next stage is Design. Design is done before the coding process begins. This aims to provide a complete picture of what needs to be done and how the desired system looks. So that it helps specify hardware and system requirements, as well as defining the overall system architecture that will be created.
- 3) Implementation: The code writing process is at this stage. The software creation will be broken down into small modules which will later be combined in the next stage. In this stage, a deeper examination will also be carried out on the modules that have been created, whether they have fulfilled the desired function or not.
- 4) Integration and testing: In this fourth stage, the previously created modules will be combined. After that, testing will be carried out which aims to determine whether the software is in accordance with the desired design and whether there are still errors or not.
- 5) Operation and maintenance: Operation & Maintenance is the last stage of the waterfall development method. Here the finished software will be run or operated by its users. The waterfall method also has advantages and disadvantages. The advantages and disadvantages according to (Maulana & Ikasari, 2023).
 - a) The advantages of the Waterfall method in designing web-based information systems are the existence of a structured and sequential framework. This method allows for clear stages of needs analysis, planned design, systematic implementation, thorough testing, and organized maintenance. The Waterfall approach also helps in minimizing risks during the development process, because each stage must be completed before proceeding to the next stage.
 - b) The Waterfall method also has several disadvantages. First, because of its linear and sequential nature, this method is less flexible in accommodating changes and improvements that may occur in the design of the management system at Momenkita Studio. If there are new needs or changes required, you must return to the previous stage or wait until the last stage is complete. Second, the Waterfall method does not provide enough space for user or stakeholder involvement in the system development process. This can lead to a lack of in-

depth understanding of user needs and cause a gap between the developed system and user expectations.

Research Place

This research was conducted at “Momenkita Studio”, Jl. Poros Enrekang Tator, Maccorawalie, Kec. Panca Rijang, Sidenreng Rappang Regency, South Sulawesi Indonesia. This location was chosen because it wanted to make its customer record management more effective.

By focusing this research on “Momenkita Studio” and involving a relevant time span, it is expected that this research can provide a comprehensive and representative picture related to Website-Based Company Management in Increasing Company Efficiency.

Data Collection Techniques

Data collection techniques used in this study are interviews, observations, and literature studies. Interviews are conducted directly with a question and answer system with the owner of "Momenkita Studio", employees, and customers to obtain information by asking for information from the resource person. In this observation technique, the activities carried out are observation and recording of the research being conducted. Especially regarding system needs related to ordering and marketing at "Momenkita Studio". Literature studies are conducted by looking for references from various sources, such as journals that are relevant to the topic being studied.

RESULTS AND DISCUSSION

Results

Company Management

In (Helmi & Ariana, 2022) it is explained that management is the art of getting work done through others. is a profession that requires certain requirements. A manager must have three essential skills or abilities, namely conceptual, social (human relations), and technical competence. Management is a concept or approach used to manage and direct existing resources in an organization. The goal of management is to achieve desired results by efficiently utilizing available resources, such as human, financial, physical, and information.

One part of company management is customer management. Customer management is a strategic approach that focuses on managing relationships and interactions between a company and its customers. The goal is to understand, meet, and exceed customer needs and expectations. Satisfaction is a feeling of pleasure that arises in a person as a result of fulfilling their needs or desires. Customer satisfaction is the result of their evaluation or assessment of the features of the goods or services they use to meet their needs. When the performance of the goods or services is assessed as meeting or even exceeding customer expectations (Rio Sasongko, 2021).

Customer management practices involve the process of identifying, acquiring, retaining, and developing long-term relationships with customers. In addition, good and proper customer management can increase customer satisfaction (Gultom et al., 2020).

Website

A website is a collection of interrelated web pages stored on a web server and can be accessed via the internet. Each web page has various types of content, such as text, images, videos, and other interactive elements. A website can be created for various purposes, such as providing information, interacting with users, selling goods or services, or providing a platform for various online activities. WEBSITES, or WWW also known as the World Wide Web, are one of the services provided by computer users connected to the Internet. This site provides

information from the useful to the completely useless, from free information, business information, to information for computer users who have an Internet connection (Winarti, n.d., 2022).

To build a website, some basic components are needed. Here are some of the components needed:

Internet

In modern times like today, the internet world is very well known. The internet is a tool in the information and communication technology system. The functions offered by the internet include: more effective and efficient, easy to access, easy to use, practical and provides unlimited information (Ahmad et al., 2023).

The internet is a worldwide infrastructure that connects millions of computer networks, enabling the exchange of information and data worldwide. It includes a variety of standard communication protocols, allowing devices of various types and sizes to communicate with each other and share resources. The internet is the foundation for many online services, including the web, email, streaming, and other online communications. The internet is a communication network that is tasked with connecting electronic media accurately and quickly. This communication network transmits information sent via signal transmission at a set frequency (Maharani et al., 2021).

The rapid development of information technology makes it easy to access all the information needed. All this information can be obtained quickly via the internet. The existence of a computer-based information system improves and makes it easier to work to obtain information using computer technology (Riska Andreani Syafaruddin et al., 2023).

Browser

A web browser in general is a software or software used to search for information or access sites on the internet. This device will make it easier for users to access data or search for the references they need. There are various types of web browser devices that are now used such as Mozilla Firefox, Google Chrome, Opera, Safari, Internet Explorer and so on, (Kurnia et al., 2023).

MySQL

MySQL has limitations, so it should not be used for commercial derivative products. MySQL is an RDBMS application, or relational database management system, which is freely available under the general public license (GPL). MySQL is actually a derivative of the main concept in the existing database, namely SQL (Structured Query Language). SQL is a database operating concept, especially for data selection, selection, and entry, which allows data operations to be carried out easily and automatically (Putra et al., 2019).

PHP

PHP is a server-side scripting language intended for web development. PHP is also a general-purpose programming language. Rasmus Lerdorf was the first founder of PHP in 1994. PHP stands for PHP: Hypertext Preprocessor. PHP is free to use and open source. PHP is released under the PHP license, which is slightly different from the GNU General Public License (GPL) which is often used for open source projects. (Noviana, 2022).

Xampp

XAMPP is a free program that supports many operating systems and is compiled from several programs such as Apache, MYSQL, PHP, and Perl. XAMPP provides software packages in one package, including Apache (Web Server), Mysql (Database), PHP (Server-side

scripting), Perl, FTP server, PhpMyAdmin, and various other auxiliary libraries. (Saed Novendri et al., 2019).

Company Efficiency

Efficiency is not wasting time and energy, right according to plan and goals. In order to obtain large profits and to maintain the existence of the company, the company must operate efficiently. The term efficiency is often associated with the comparison of output and input where the greater the ratio of output or input, the more efficient a company will be (Pristianingrum et al., 2017). According to (Syam, 2020) there are several types and examples of work efficiency, namely:

- a) Optimal efficiency is the best comparison between the sacrifices made to obtain the expected results.
- b) Reviewed in terms of results, for example, a manager can achieve an output (productivity), which is higher than the inputs (labor, money, time) and materials used.
- c) Reviewed in terms of savings. For example, the use of modern equipment will make the work process faster and save time and costs.
- d) Efficiency with a benchmark is a comparison between the minimum results determined with the real results achieved which are greater than the minimum number determined. In this case, the benchmark is the ability of each to achieve the minimum results that have been determined within a certain time.

Table 1. State of the Art

No	Previous Research	Aspects Studied	Findings
1	(Hakim et al., 2019). “Web-Based Customer Relationship Management Information System at PT. Arya Media Tour & Travel”	development of a website-based customer relationship management information system	The system created can provide complete information to customers. This system can complete travel package booking transactions through the PT. Arya Media Tour & Travel website. The website created is only limited to displaying information about the company, such as car rental prices and hotels. The payment process does not exist yet
2	(Soraya & Wahyudi, 2021). “Design and Build a Web-Based Dimsum Sales Application (Case Study: Soraya Dimsum Shop)”	Creating a web-based dimsum sales application	By using this system, people can easily access information about the sale of dimsum products sold at Kedai Dimsum Soraya from anywhere and anytime, so they don't need to spend time coming directly to the store. The website created has a desktop display, so mobile users will have difficulty using it.
3	(Irvansyah, 2020). “Android-Based Haircut Service Ordering Application”	An application created to solve the problem of shaving queues and make it easier for customers to get their hair shaved.	Based on the results of testing the functionality, efficiency and usability of the application, the hairdressing service booking application can be used in the future. On the website that was created, there is no suggestion box that can be used to send suggestions to the barber service provider.
4	(Sari et al., 2022). Design of a Website-Based Shoe Laundry Sales and Service Application System	Designing an application that will help ShoesLab manage transactions, record product data, and increase revenue.	This application is to make it easier for customers to get the latest information from ShoesLab. This application also helps customers get sales services and offers fast and reliable laundry pick-up and delivery services. In addition, this application makes it easy for employees to create ShoesLab income reports. The absence of a rating

menu makes it difficult for users to find out the performance of the services provided.

Source: Research Results (2024)

Discussion

This research produces a website that displays the availability of photography reservation schedules visually in the form of a calendar based on the required system requirements.

In an interview with the owner of MOMENKITA Foto Studio, the source stated that the creation of this reservation website aims to increase the accessibility of services and provide a more comfortable experience for customers in making reservations. These goals include simplifying the reservation process and providing customers with the ability to view time availability and choose packages according to their needs easily. Important features to include in this website include an online reservation system with an interactive calendar to display time availability, a choice of photo session packages, integration with a secure online payment system, a portfolio photo gallery, clear service information, and easily accessible contact details.

The current reservation process is done via smartphone or social media messaging, which requires direct interaction with staff to determine time availability and other details. It is expected that this website will increase efficiency by allowing customers to view real-time availability, choose packages according to their preferences, and make payments directly, which is expected to reduce the time required in the reservation process. The expectation regarding the user experience on this website is smooth and intuitive, with easy navigation, easy-to-access information, and security in online transactions.

Desain yang diinginkan untuk *website* ini adalah bersih, modern, dan profesional, dengan tema yang mencerminkan keindahan visual fotografi serta memberikan kesan kreatif dan elegan. Keberhasilan *website* ini akan diukur berdasarkan jumlah reservasi, tingkat konversi, dan umpan balik dari pelanggan terkait pengalaman mereka. Integrasi khusus yang diperlukan meliputi sistem pembayaran online dan kalender reservasi yang terintegrasi dengan baik. Rencananya, *website* ini akan diperbarui secara berkala, terutama untuk memperbarui galeri foto, informasi layanan, harga, serta untuk promosi penawaran spesial.

The website will be promoted through targeted social media and online advertising. For reference, examples of websites that he admires are Jonas Photo and Mina Moto Studio, which offer intuitive navigation, aesthetic design, and focus on photography portfolios.

Meanwhile, MOMENKITA Foto Studio employees stated during interviews that the current reservation process is done by customers contacting via phone or social media to ask for availability and details of the desired photo session, which is then manually recorded and confirmed. One of the main challenges faced is intensive coordination to arrange a schedule according to customer preferences and ensure there is no overlap in the schedule. The features that are considered most important are a real-time online reservation calendar and integration with an online payment system to make it easier for customers. Interaction with customers occurs via phone, text message, or email to provide information, answer questions, and confirm reservations.

Frequent feedback includes the desire for a faster way to see availability and make online payments to secure reservations. Currently there is no integrated calendar system, so integration with an online calendar is expected to help ensure accurate availability. It is hoped that the new website will reduce phone calls and messages for reservation confirmation, thereby increasing efficiency in daily tasks. Although specific training is not considered necessary, a brief training is recognized as helpful in understanding new features on the website.

Regular updates are expected, especially to update information and portfolios, and adjust features based on customer feedback. Suggestions for website development include focusing

on an intuitive and responsive user interface, both on desktop and mobile, to improve the overall user experience.

MomenKita Foto Studio customers have had varying experiences in their booking process. The first customer found the process to be quite smooth although it sometimes took time to get confirmation. She hopes the booking website can provide convenience in viewing availability schedules, choosing packages according to her needs, and making reservations quickly. The most important features for her are a real-time calendar, a secure online payment system, and ease of direct contact with the studio. Information and reservations are usually made through the website or recommendations from friends, followed by communication via email or phone. She prefers online bookings because it is more practical, and has experienced difficulties in getting responses or adjusting schedules that are suitable. Online payment by credit card or bank transfer is the most convenient option for her, and the design and appearance of the website have a big influence on her decision to make a booking. She expects notifications via email or SMS as reminders after making a reservation, and hopes the website can be more responsive and facilitate smoother communication between customers and the studio.

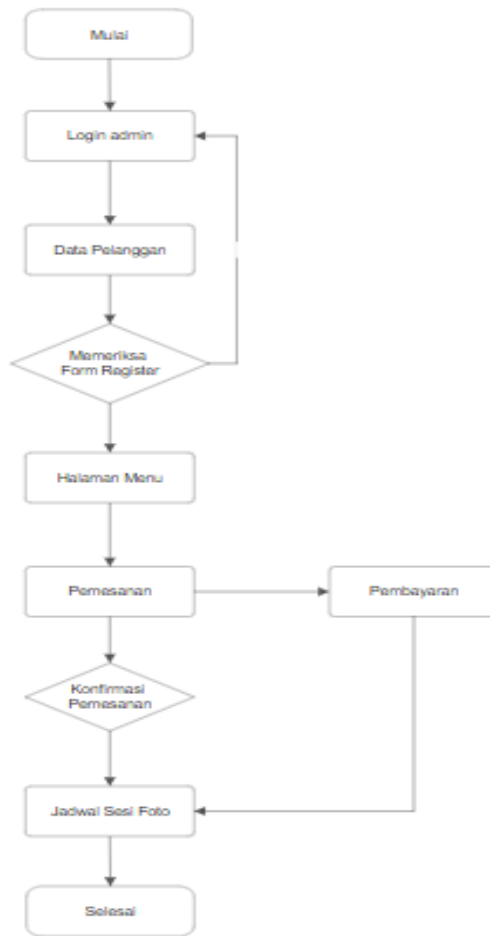
The second customer also found the booking process easy enough, although she sometimes had difficulty finding a suitable schedule. She expected the booking website to provide easy schedule viewing, clear package options, and an integrated payment process. The features that were most important to her included real-time schedule search, an intuitive booking system, and ease of changing or canceling reservations. Information and reservations were usually sought through their website or social media, with direct communication being the next step. Preferred online booking because it was convenient and allowed her to check her schedule at any time. She had difficulty getting a quick response, especially when confirming or changing reservation details. Online payment through an integrated platform was the most convenient option for her, and like the first customer, the design and appearance of the website greatly influenced her decision to make a reservation. She wanted notifications as reminders regarding reservation details, and wanted a focus on an intuitive user experience and ease of making changes to her reservation.

The third customer also reported a good booking experience, although she sometimes had to try a few times to find a suitable schedule. She expected the booking website to provide easy portfolio viewing, package options to suit her needs, and quick reservations. The features that were most important to her included a real-time calendar, easy payment integration, and direct communication with studio staff. Information and reservations are usually sought through the internet or recommendations from friends, followed by reservations via email or phone. Prefer online reservations because they are practical and allow for flexible scheduling. Have had difficulty getting a quick response from the studio regarding confirmation or schedule changes, and choose online payment via credit card or bank transfer as the most convenient option. The design and appearance of the website also have an influence on their decision to make a reservation. Expect notifications as reminders regarding reservation details, and expect the website to focus more on ease of navigation and better responsiveness.

- 1) The needs of system users in this study are divided into four main roles that interact with each other, namely:
 - a. User or Customer: Can view schedule availability and make reservations for photo sessions on the system.
 - b. Administrator: Responsible for managing the photography reservation system, including receiving reservations, arranging photographers on duty, checking booking status in the system, and managing available photography packages.
 - c. Photographer: Has access to view the photo schedule that must be done and can change the booking status according to the tasks given.
 - d. Owner: Checks the ongoing reservation report in the system.

- 2) Based on the system requirements in this research, it is divided into several stages which include:
 - a. Users first register as members using correct personal data if they do not have an account, and log in by entering their username and password if they already have an account.
 - b. Users select a photography availability schedule that is displayed visually in the form of a calendar.
 - c. Users select an available photography package.
 - d. Users fill out the reservation data form correctly and completely.
 - e. Users select an available payment method, either in cash or in advance, and make payment to the account number listed.
 - f. Users make payment to the account number provided.
 - g. Users confirm payment by filling in the bank data used and uploading proof of payment files.
 - h. The administration section views new reservation data entered into the system.
 - i. The administration section checks new reservation data and provides a response confirming receipt of the reservation.
 - j. The photographer checks the shooting schedule that will be carried out on the system.
 - k. The administration section selects the reservation data period that will be displayed to check the reservation report.
 - l. The administration section and the owner view the reservation data displayed visually using a table to see the development of the photography services being run.
- 3) System Design: Perancangan sistem pada penelitian ini dilakukan untuk mengetahui fungsi yang dapat dilakukan dari sebuah sistem yang dibuat, diantaranya:

a. Flowchart



Source: Research Results (2024)
Figure 1. Website flowchart

Flowcharts help to visually show the navigation structure and flow of a site.

b. *Entity Relationship Diagram (ERD)*: The relationship between the data in the data relationship in MOMENKITA STUDIO is described with ERD as follows:

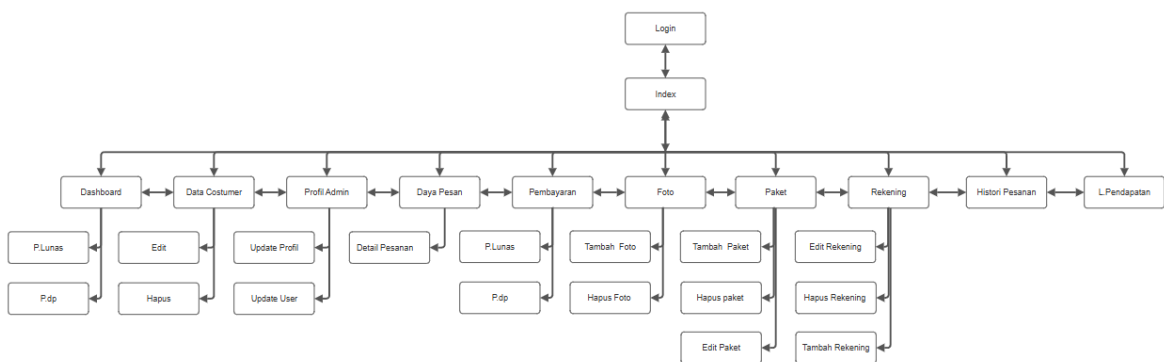


Source: Research Results (2024)
Figure 2. Entity Relationship Diagram

In the ERD image above there are six Entities, namely:

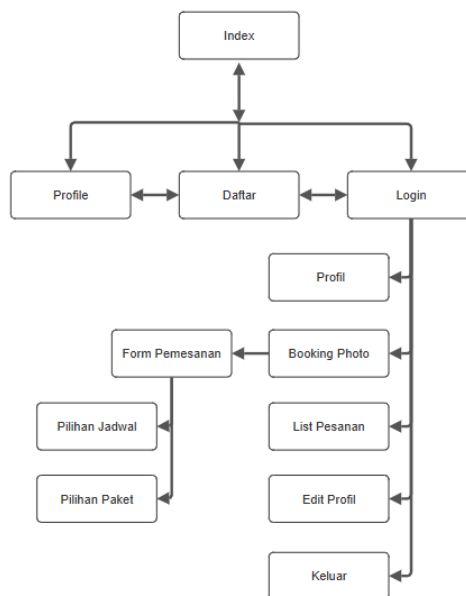
- a) User
- b) Transaction
- c) Payment
- d) Package
- e) Account
- f) Admin

c. Back-End Page Navigation Structure Design, The back-end page navigation structure design shows the content and layout of the website from the administrator, photographer and owner's perspective.



Source: Research Results (2024)
Figure 3. Back-End Page Navigation Structure

d. Front-End Page Navigation Structure Design, The design of the front-end page navigation structure shows the content and structure of a website from the user or customer side.



Source: Research Results (2024)

Figure 4. Front-End Page Navigation Structure

There are three navigation menus on the main page, namely profile, register, and login. Profile navigation is used to open the profile page of MOMENKITA Foto Studio. Register navigation is used for customers who do not have a photo service order account. On the register page, users will be asked to fill out a registration form, starting from name, address, telephone number, email, username, and password. The login page is used when customers have previously registered, where a username and password are required to enter the next page.

- e. Interface Implementation, The implementation of the reservation schedule selection interface is made for users or customers in carrying out the reservation process.



Sumber: Hasil Penelitian (2024)

Gambar 5. Antar Muka Halaman Beranda

The homepage is the first page that appears when a user clicks on the main link of this website. On this page, users can also see sample photos from MOMENKITA Foto Studio.

- Profile page interface. The profile interface contains information about MOMENKITA Studio.



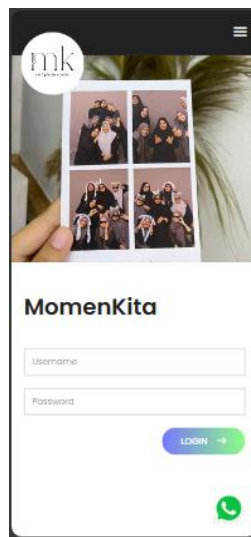
Source: Research Results (2024)
Figure 6. Profile Page Interface

- The register menu interface allows new users to register and create an account. This page is the starting point for users to begin using features that require registration.



Source: Research Results (2024)
Figure 7. Registration Page Interface

- The Login interface is the primary access for users who already have an account to enter the booking page. This page is designed to make it easy for users to enter their credentials.



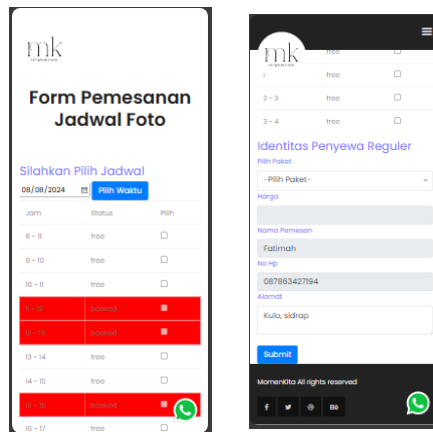
Source: Research Results (2024)
Figure 8. Login Page Interface

- Order category interface, logged in customers are given the option to choose regular or package type.



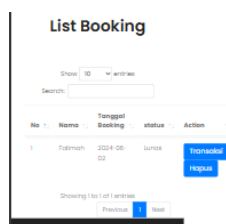
Source: Research Results (2024)
Figure 9. Reservation Category Page Interface

- The booking interface contains a form to select the type of package desired. After the user selects a schedule, the hours that have been rented will appear, marked in red and labeled blocked.



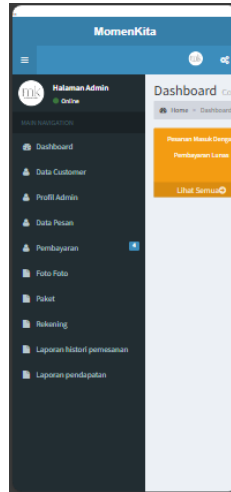
Source: Research Results (2024)
Figure 10. Order Page Interface

- The booking list page interface contains transactions that have been made. On this page, users can delete transactions, or continue transactions that have not been paid off previously.



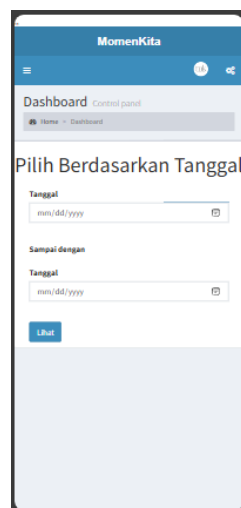
Source: Research Results (2024)
Figure 11. Order List Page Interface

- The reservation data management interface is carried out by the administration section, where on this page you can check booking data, payment status, check customer data, check booking history, check changes in reservation status, and display income reports according to the selected date.



Source: Research Results (2024)
Figure 12. Reservation Data Management Page Interface

- The Revenue Report interface based on the selected date and month will provide a pdf file containing all transactions on that day.



MomenKita LAPORAN PENDAPATAN BERDASARKAN TANGGAL				
No	Nama Pemesan	Tanggal	Jenis Paket	subtotal
1	Anggoro	2024-06-01 18:48:23	Paket Self Photo group (3-5 orang)	75000
2	Fahimah	2024-06-01 16:51:13	Paket Self Photo group (8-8 orang)	60000
3	Syarif	2024-06-01 16:54:09	Paket Self Photo Couple	40000
4	Ika	2024-06-01 16:55:39	Paket Self Photo Single	25000
5	Parasmani	2024-06-02 17:00:59	Paket Self Photo Single	25000
6	Nurhidayah Amad	2024-06-02 17:03:13	Paket Self Photo Couple	40000
7	Iry	2024-06-02 17:04:35	Paket Self Photo group (8-8 orang)	80000
8	Juni	2024-06-02 17:05:55	Paket Self Photo Couple	40000
9	Akmal	2024-06-02 17:06:41	Paket Self Photo Couple	40000
10	Nisa	2024-06-03 17:08:42	Paket Self Photo Couple	40000
11	wulan	2024-06-03 17:09:54	Paket Self Photo Single	25000
12	katu	2024-06-03 17:10:34	Paket Self Photo group (8-8 orang)	60000
13	Imma	2024-06-03 17:11:31	Paket Self Photo Couple	40000
14	Abi	2024-06-04 17:13:03	Paket Self Photo Single	25000
15	Cicah	2024-06-04 17:13:43	Paket Self Photo Couple	40000
16	Musaji	2024-06-04 17:14:16	Paket Self Photo group (3-5 orang)	75000
17	Dia	2024-06-05 17:15:28	Paket Self Photo group (3-5 orang)	75000
18	uswa	2024-06-05 17:16:20	Paket Self Photo Single	25000
19	na	2024-06-05 17:16:53	Paket Self Photo Single	25000
20	Wita	2024-06-06 17:46:57	Paket Self Photo group (6-10 orang)	110000
21	MasRah	2024-06-06 17:38:19	Paket Self Photo Single	25000
22	Sireni	2024-06-06 17:40:31	Paket Self Photo Couple	40000
23	puji harti	2024-06-20 16:17:13	Paket Self Photo Couple	40000
Total				Rp.1140000

Source: Research Results (2024)
Figure 13. Revenue Report Page Interface

Table 2. Blackbox Testing

No	Test scenario	Test Case	Expected results	Test Results	note
1	All customer registration forms are not filled in then click the	Name: (blank) Address: (blank) Phone No.: (blank) Email: (blank) Username: (blank)	The system will reject and display a warning for every empty form entry.	As Expected	Valid

	registration button	Password: (blank)			
2	Interpret some of the registration form fields then click the reset registration button	Name: (Firman) Address: (Empty) Mobile No.: (08515xxxxxx) Email: (Empty) Username: (Empty) Password: (Empty)	The system will reject and display a warning symbol on empty form entries.	As Expected	Valid
3	Click login on the login interface after filling in the username and password with the correct data.	Login on click	The system will accept and direct you to the main page and you can continue to the reservation page.	As Expected	Valid
4	Click the booking button and select a package before successfully logging in as a member.	Package clicked	The system will reject and display the message "please login first"	As Expected	Valid
5	Click and select a date on the reservation page	Select a date	The system will display the time and status. The time that has been booked will be red.	As Expected	Valid
6	Clicking the pay off option on the payment menu	Paid off in a click	The system will redirect you to the booking list page and the user can print a receipt.	As Expected	valid
7	Select the date interval on the income report page and click the view button.	View button clicked	The system will automatically provide a PDF file containing a summary of income according to the selected time interval.	As Expected	Valid

Source: Research Results (2024)

CONCLUSION

This research is able to provide solutions to the problems that exist in MOMENKITA Photo Studio, namely it can facilitate the need for information on the availability of reservation schedules because the schedule is visualized in the form of a calendar, reservation data reports that are automatically summarized so that they are better organized. The results of the study show that the concept of schedule visualization can make it easier for customers to get information so that they can minimize reservations with dates or times that are not available.

Providing information via a website can provide more complete information and present it as more interesting information and can be used to help as a promotional medium.

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