



Design of Accounting Information System Order Menu on Codajie Cafe Using Javaweb Netbeans Ide 8.1

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ABSTRACT

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Codajie Cafe is a business entity that engages in culinary field. but in fact, the Cafe doesn't yet have a system that can assist in various processes in it, such as ordering process, and sales. This café report uses conventional methods in recording and storing data. This can cause problems such as human error in the ordering process. So to solve these problems, the authors create a computerized system that is design of an accounting information system for ordering menus at a conventional codajie café to make it more efficient. In the making of this web application, the author uses Javaweb Netbeans IDE 8.1 and programming languages such as PHP, HTML, javascript, css, jquery by having several facilities such as Login, menu data, Customer data, User data, sales transaction, order, and reports that can be accessed by the company owner and the cashier. By making a computerized system, the author can help the ordering process, sales to reporting on codajie Cafe, in order to achieve effective business activities and time efficiency in company activities.

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1. Introduction

Accounting information system (AIS) is a concept that is complex and subjective and does not have a comprehensive conceptual framework (Assefa, Jagannadha, & Yohannes, 2020). A cafe which is often also called a coffee shop, or cafe, is a term used for a place that provides orders for coffee or other hot drinks. Cafes have become widespread for social interaction centers where people can do activities such as gathering time, or working, or just filling. Along with sophisticated online commerce and the need for fast and accurate information, the information may have been connected to each other to form such a wide network (Saputra, 2016). Sales is the main indicator of the company's activities and the main component in the company looking for profit or profit, sales are also an important criterion for assessing the profitability of the company.

In generating revenue on the company's products will use all the assets recorded. Assets owned by the company must also be managed effectively and efficiently in order to support activities so that the profitability of the company's sales can increase (Hidayah, Panca Saputra, & Bina Sarana Informatika, 2019) An order is a place of exchange where a seller offers goods or services to a buyer. To achieve buyer satisfaction, the company must have a system that is able to place orders properly. Food is a basic need for everyone. And also food can also be a means of business that can generate high profits for companies engaged in the culinary field. Revenue is a series of businesses that occur continuously and information processing activities, which are related to the sale of goods or services to buyers and receipt of payments for the sale of these goods or services from customers (Krismiaji, 2015).

Codajie Cafe is one of the businesses engaged in food and beverage. At this time Codajie cafe has difficulty in the ordering process that occurs at the cafe, this is because the cafe is still using the system manually or not yet computerized in carrying out activities in it such as ordering, selling, purchasing, and



reporting reports needed by the cafe, because still do not have a computerized system sometimes in ordering the buyer has to wait too long to place an order for food, besides that employees who do the recording also have difficulty because they still use paper media in their recording. Manual recording is less efficient where there can be several errors such as order data errors, unclear data, and errors in the entry and exit of money in the company, so that it can allow for losses and profits in the company. Even though during this pandemic Codajie Cafe is still operating, therefore the cafe is having problems recording and managing incoming and outgoing goods so that it is not recorded properly.

Information systems are the best solution to overcome problems (Hidayah et al., 2019). At this time the development of science and technology is very rapid, technology has a very important role to create progress in all areas of life. Thus, information technology has become a basic need to facilitate people's work. With these technological advances, people use computers as infrastructure to store, process, and provide various information needed. From simple things to very complex things. So that it can create objects, which can help humans and organizations to obtain data and information at work (Hidayah et al., 2019). Technology is the application of science and research in the development of processes and products to improve human living conditions characterized by activities, techniques, devices, procedures, processes and materials. we develop an accounting information system using java programming. because With the rapid growth and affordable Internet network, the Java programming language evolved from a simple language program to a programming language for computer software development that has Many features that define its position on the Internet (Jiang, 2020). advantages In the Java programming language, methods, classes, and files are combined to form a shell program(Heredos, Kim, & Vazzano, 2017).

Technology is always used to solve human problems in society because in this day and age humans really need technology to support their daily needs. Mathematics has become an indispensable addition to the physical sciences and technology as it is characterized by the extensive use of mathematics in communicating their results(Ukamaka, Maryann, & State, 2020). Information technology is defined as science in the field of computer-based information that is developing very rapidly in the present. Information technology can be interpreted as technology used to carry out processes in data management, what is meant by data management includes processing, compiling, storing, manipulating data in various ways to produce accurate information so that there is little possibility of errors arising from the information needed (Dharma, 2020). The system is a collection of individual interactive elements and controls to achieve certain goals.

2. Method

The data in the research we did was obtained by searching and seeking information directly from Codajie Cafe. To obtain the data to support the research, the primary data sources used in this study were interviews, direct observation and library studies. Apart from that you also use the waterfall model, the Waterfall Model is a linear application development model that uses rigid phases: When one phase ends, the next phase starts again. The steps occur sequentially, and, if not enabled, the model does not allow the developer to return to the previous step (Conrad, 2011).

3. Result And Analysis

Unified Modeling Language- (UML) is a language that has become the industry standard for describing or visualizing, designing, and documenting programming systems (Sugiarti, 2018) Use Case Diagram is a diagram that describes the relationship between the user and the system used.

3.1 In the Use Case

The cashier can manage account data, customer data, menu data, user data, manage order and sales transactions and manage journals.

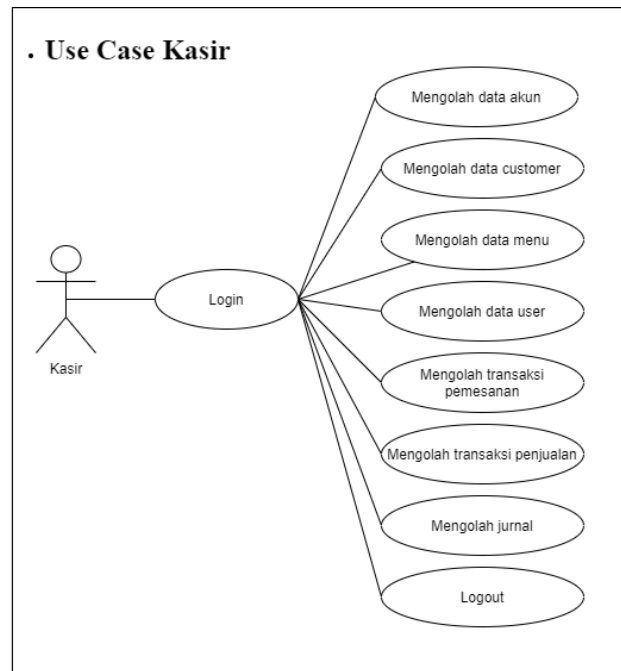


Fig 1. Use Case Diagram cashier.

3.2 Use case Owner

The owner can print account reports, customer data reports, menu data reports, user reports, order and sales transaction reports, and journal reports

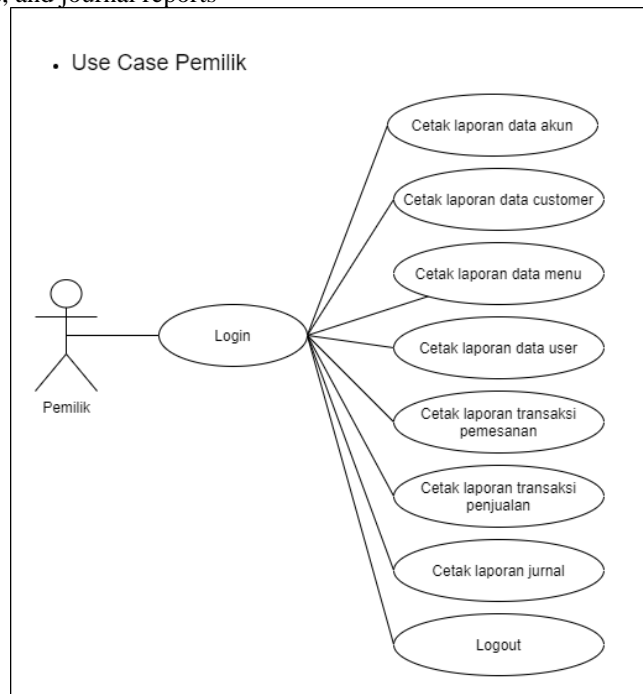


Fig 2. Use Case Diagram owner

3.3 Login Activity Diagram

In Activity Diagram login is used to describe a flow of system performance, namely the first time the user of the application for ordering and selling cafes must first log in by inputting a user and password. each. If the user and password entered are correct, the system will direct you to the dashboard menu according to the user's access rights.

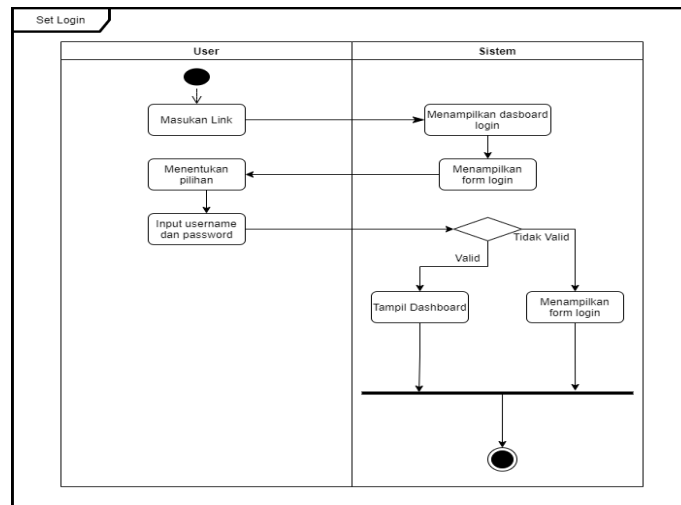


Fig 3. Login Activity Diagram

3.4 Order Activity Diagram

In Activity Diagram ordering is used to describe a system performance flow that is used to input ordering transactions made by cafe customers.

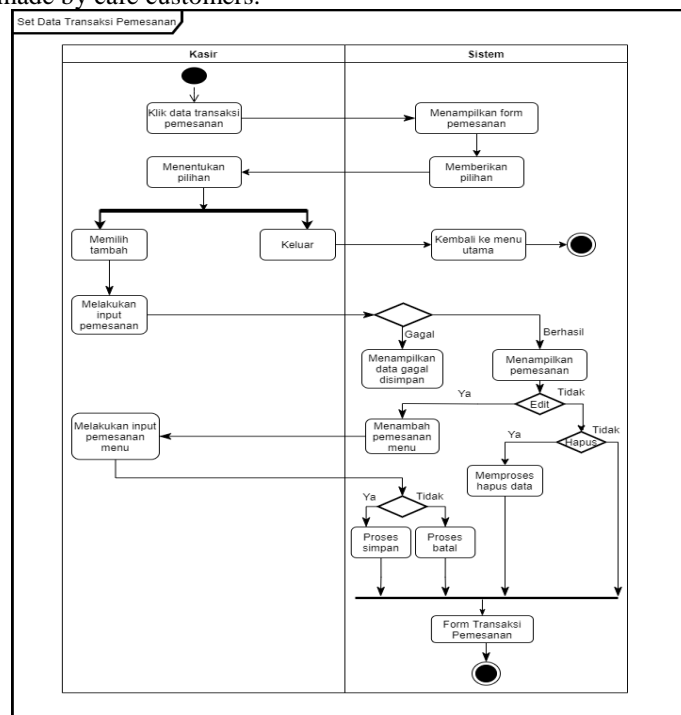


Fig 4. Order Activity Diagram

3.5 Sales Activity Diagram

This sales activity diagram is used to describe a system performance flow that is used to input sales transactions made by cafe customers

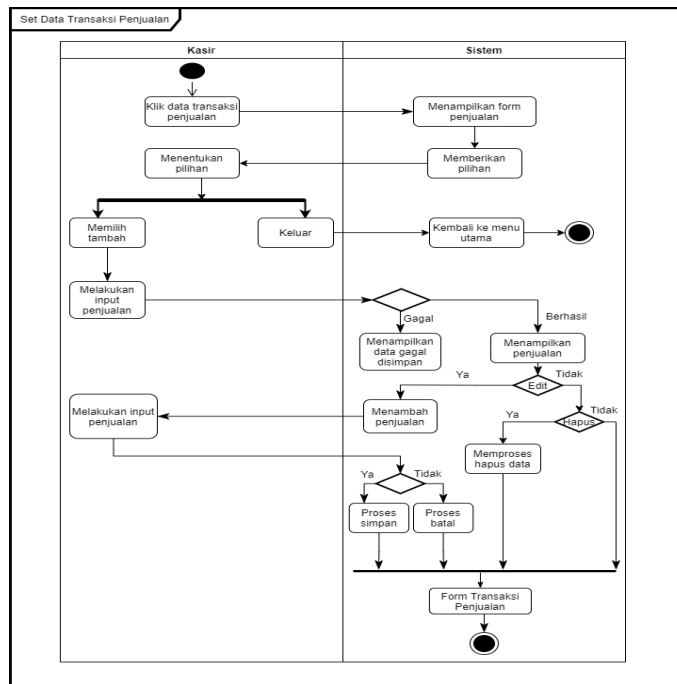


Fig 5. Sales Activity Diagram

3.6 Journal Activity Diagram

In the Activity Diagram this account is used to describe a system performance flow that is used to input ordering and sales transactions at the cafe, the transaction value will be recorded in a journal account.

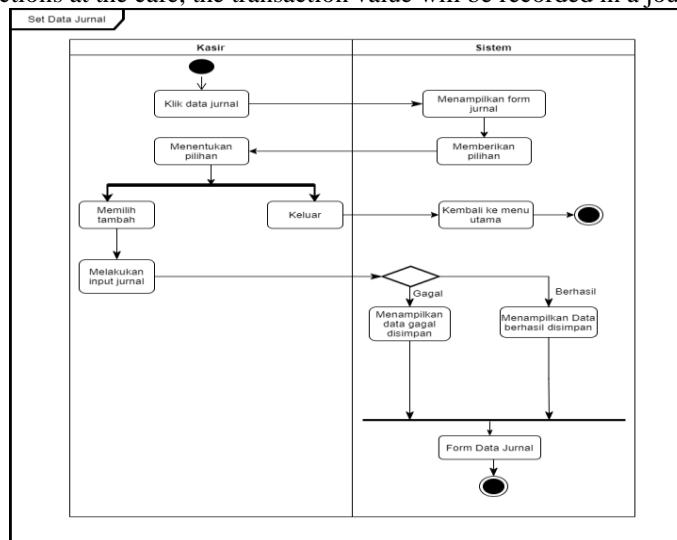


Fig 6. Journal Activity Diagram

3.7 Login Graphical user interface (GUI)

The following is a graphical user interface (GUI) display on the login form that is useful for accessing a computer system that can manage the user identification process.

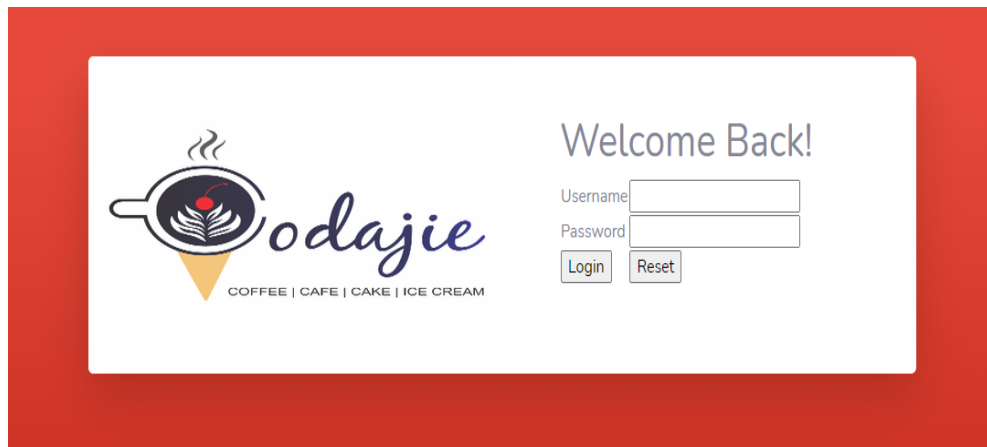


Fig 6. User Interface Login

3.8 Order Graphical user interface (GUI)

The following is a user interface (GUI) display on the order form that is useful for accessing a computer system that can make order transactions for customers

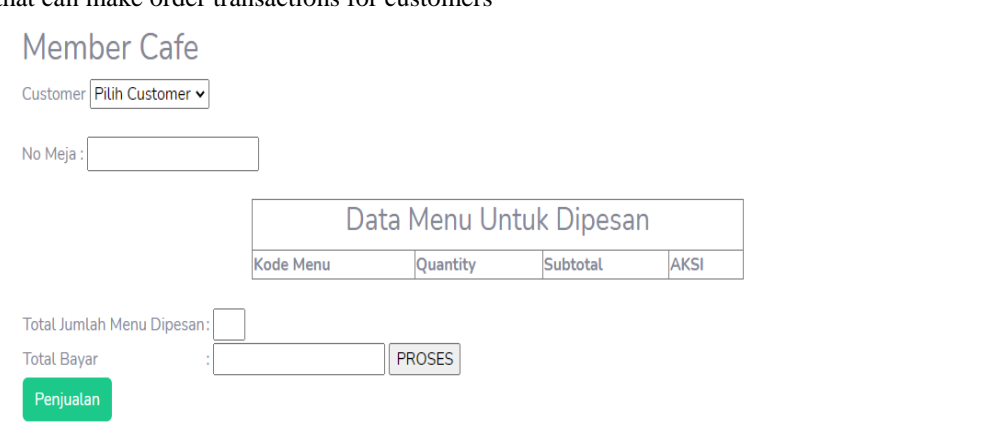


Fig 7. User Interface Order

3.9 Sales Graphical user interface (GUI)

The following is a user interface (GUI) display on the sales form that is useful for accessing a computer system that can make sales transactions to cafe customers.

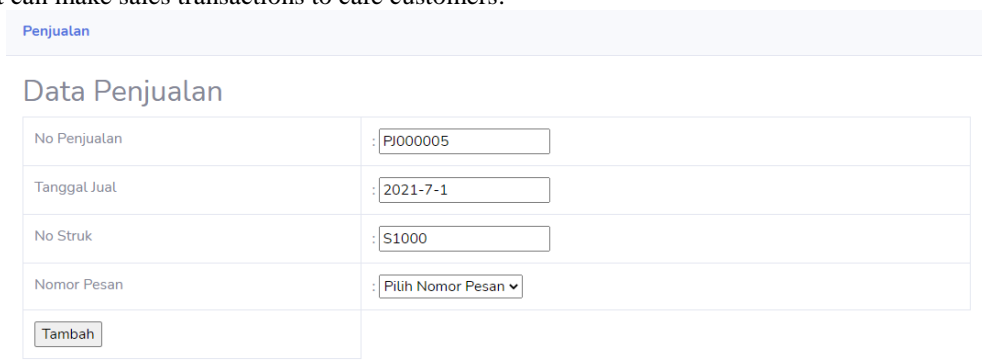


Fig 8. User Interface Sales

3.10 Journal Graphical user interface (GUI)

The following is a user interface (GUI) display on the Journal form that is useful for accessing a computer system that can record the results of ordering and sales transactions.

Fig 8. User Interface Journal

4. Conclusion

Based on the results of research that the author did at Codajie Café located in Depok, West Java. It can be concluded that data processing is still done manually. Therefore, the problems caused by the manual system can be in the form of data loss and the absence of existing data backups and not being able to know the advantages and disadvantages that occur in Codajie Café. With the problems that occur, the authors conclude that a computerized system is needed to handle the problems that occur in Codajie Café. As well as a database that makes data stored more efficiently and reduces some of the overall risk of human error and can also reduce potential business losses experienced. This is because the owner can accurately know this based on data in the database system. In addition, the author still understands about the shortcomings of this application that has been built, so the author will continue to develop in building more efficient applications for use by Codajie Café which makes the café more efficient in financial expenditures to carry out daily operations.

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