CUSTOMER DATA MANAGEMENT SYSTEM

PROJECT REPORT

18CSC202J/ 18AIC203J - OBJECT ORIENTED DESIGN AND PROGRAMMING LABORATORY

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PROBLEM DISCRIPTION

The customer data management system code is designed to help businesses manage their customer data. The code can be used to track customer information, including contact information, order history, and account details. The system can also be used to generate reports and analytics on customer behavior. The customer data management system code is designed to help businesses keep track of their customer data. The code includes a customer database, a customer management system, and a customer support system. The customer database allows businesses to store customer data, including contact information, order history, and account information. The customer management system helps businesses manage customer accounts, including creating and managing customer profiles, managing customer orders, and tracking customer activity. The customer support system helps businesses resolve customer issues and provides customer service.

Suggested Software Tools for UML:

StarUML, Rational Suite, Argo UML (or) equivalent, Eclipse IDE and J unit

Use case diagram with explanation
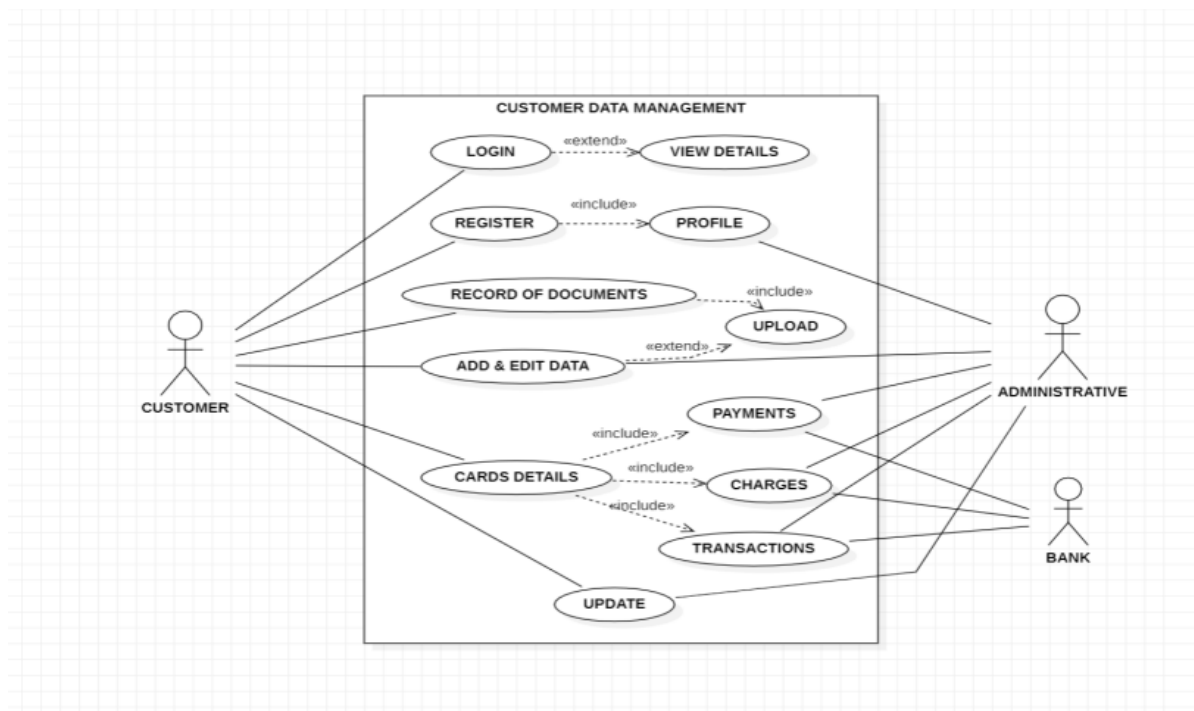
Include: In the above use case diagram Login includes View details.

Include: Register includes filling the profile like creating an account, adding first name, last name, email address, card details, contact numbers.Incl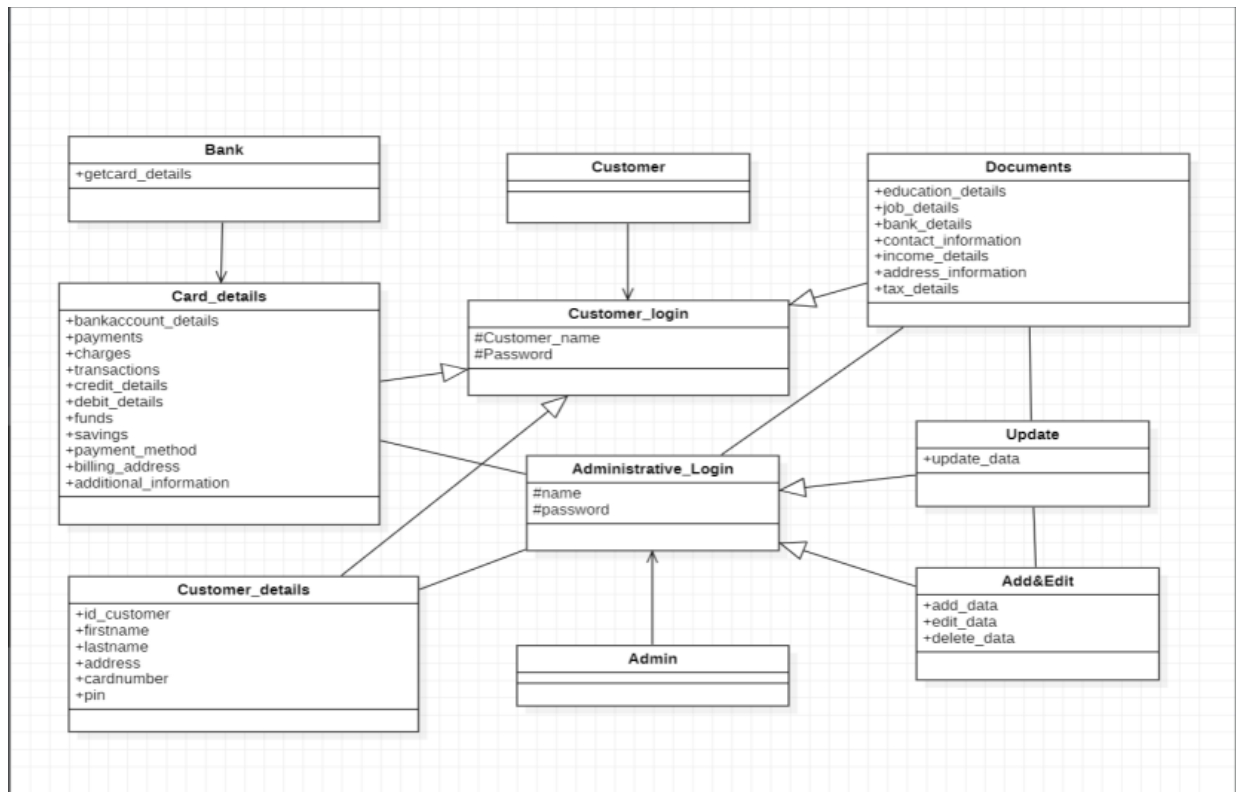ude: Record of documents always includes Upload of documents.Extend: Add and Edit data extends to Upload of different kind of data.Include: Card details includes Payments, Charges, Transactions.Customer is always associated with Login, Register, Record of documents, Addand Edit, Card details, Update.

Class diagram with explanation

Bank
+getcard_details

Customer

Documents
+education_details
+job_details
+bank_details
+contact_information
+income_details
+address_information
+tax_details

Card_details
+bankaccount_details
+payments
+charges
+transactions
+credit_details
+debit_details
+funds
+savings
+payment_method
+billing_address
+additional_information

Customer_login
#Customer_name
#Password

Update
+update_data

Administrative_Login
#name
#password

Customer_details
+id_customer
+firstname
+lastname
+address
+cardnumber
+pin

Admin

Add&Edit
+add_data
+edit_data
+delete_data

Association: Customer is directly associated with Customer_login.

Generalization: Documents, Card_details, Customer_details, are generalized to

Customer_login. Association: Documents are associated with Update that

Update is associated with Add &Edit. Association: Bank is directly associated

with Card_details. Association: Admin is directly associated with

Administrative_Login. Generalization: Update, Add & Edit are generalized to

Administrative_Login. Association: Card_details, Customer_details,

Documents are associated with Administrative_Login.

Sequence diagram with explanation
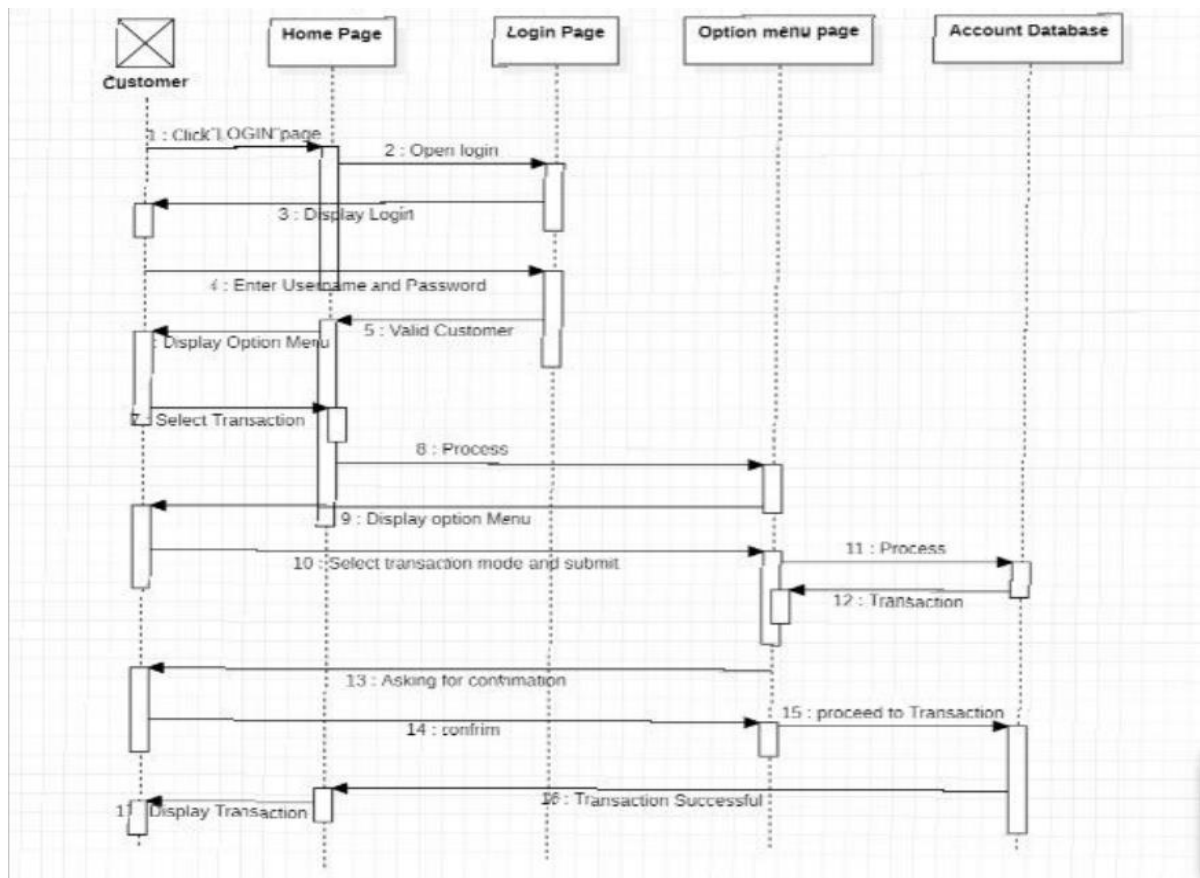
This is a UML sequence diagram for a customer data management system. It shows the various objects in the system, the messages that are exchanged between them, and the order in which they occur. The diagram starts with the customer object, which represents the customer using the system. The customer object sends a message to the system object, requesting customer data. The system object then sends a message to the database object, asking for the customer data. The database object retrieves the customer data and sends it back to the system object. The system object then sends the customer data back to the customer object.

Communication diagram with explanation
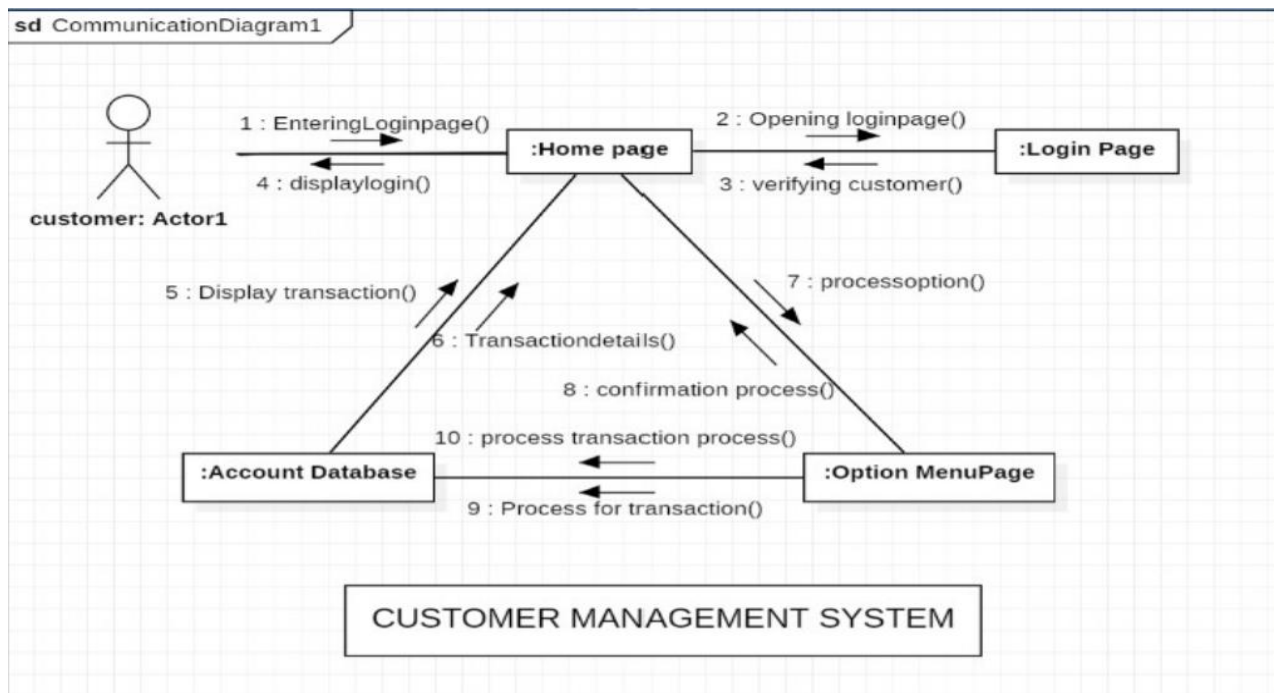
The customer data management system is a process that helps businesses keep track of their customers' information. It can be used to store, update, and retrieve customer data. The system can be used to track customer contact information, purchase history, and other data. The customer data management system can also be used to generate reports and analytics about customer behavior. The communication diagram gives discription of funtions that are going to occur. However, in general, a communication diagram for a customer data management system will show how customer data is stored, accessed, and updated within the system. This will typically include a database diagram, which will show the tables and fields within the customer database, as well as the relationships between them.

State chart diagram with explanation
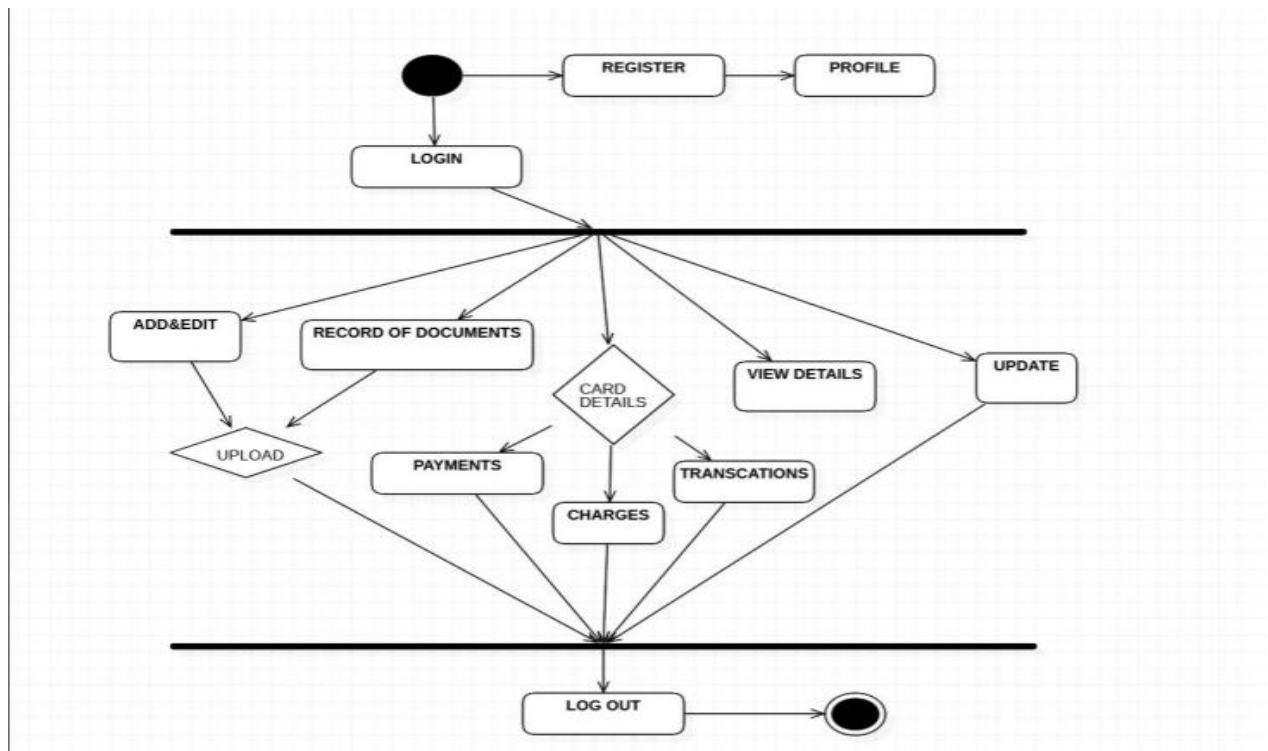
A customer data management system is a system for storing and managing

customer data. The system may be used by businesses to store customer data,

such as contact information, customer preferences, and purchase history. The

system may also be used by customer service representatives to access customer

data and provide customer support.

A state diagram is a graphical representation of the states, transitions, and

events that occur in a system. It can be used to model the behavior of a system,

to visualize the state of a system, or to verify the correctness of a system.

Activity diagram with explanation
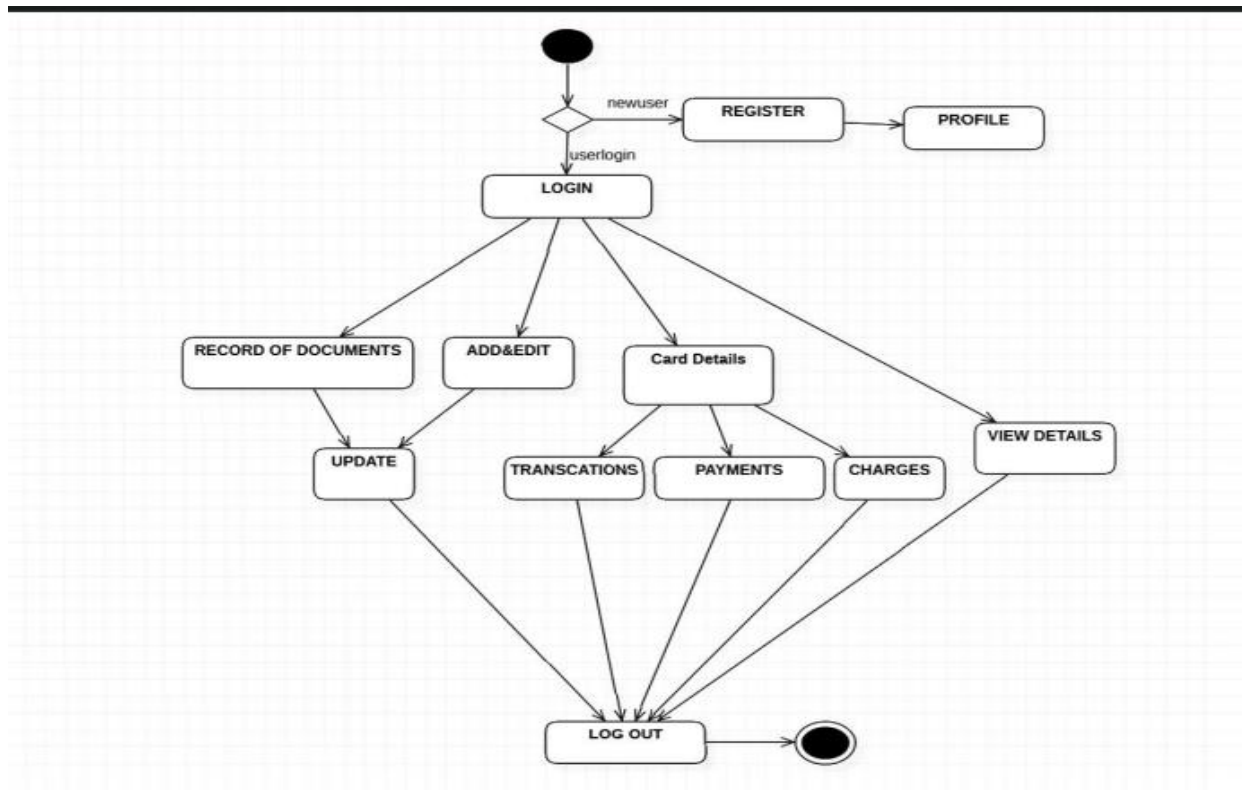
A UML activity diagram for a customer data management system would show

the different ways that customer data can be managed by the system. This could

include activities such as creating new customer records, updating existing

records, and deleting records. The diagram would also show how the different

parts of the system interact with each other in order to manage customer data.

This is a basic flowchart of a customer data management system. It shows the

various steps involved in managing customer data, from acquiring and storing

customer data, to processing and analyzing it, to generating reports.

Package diagram with explanation
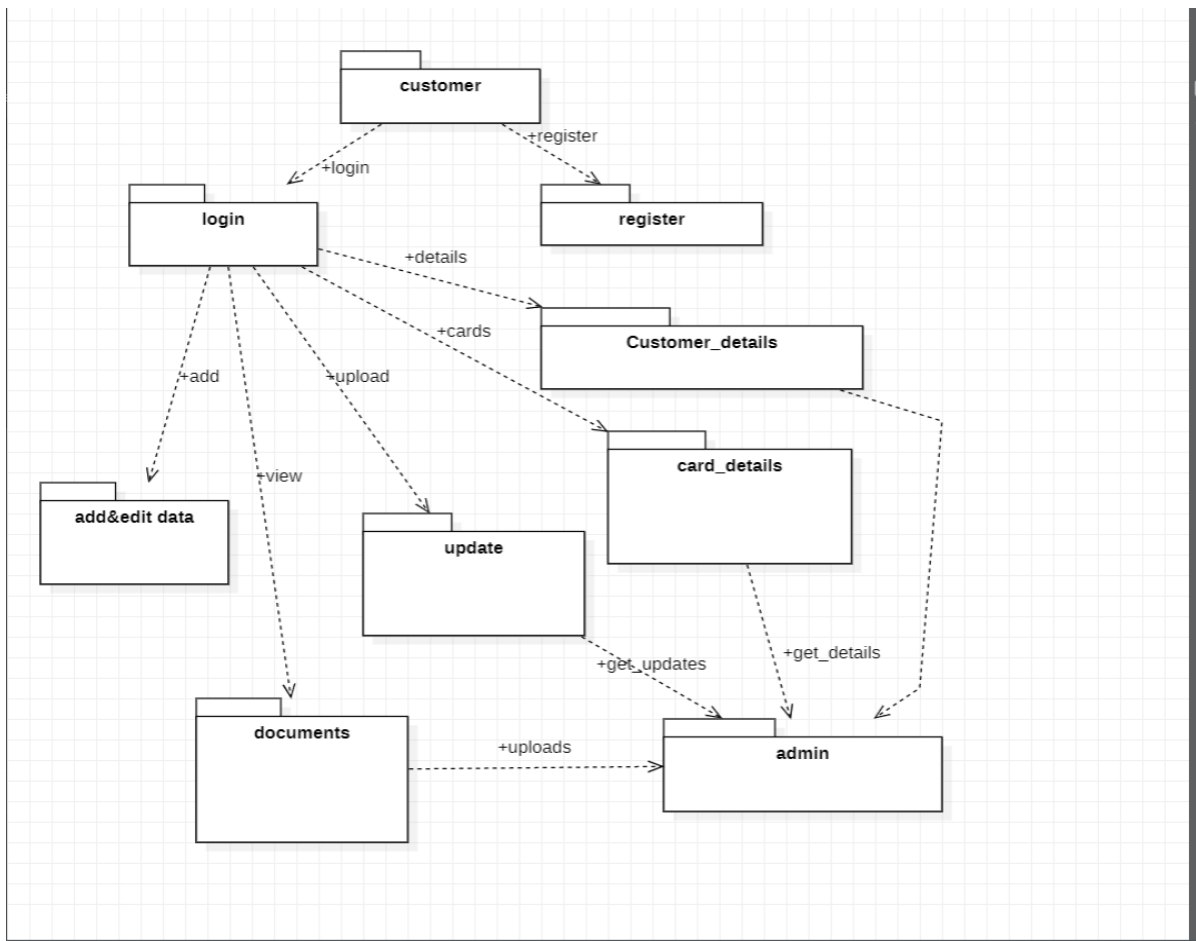
This diagram provides an overview of a customer data management system. It includes components such as a customer database, a CRM system, and a data mining system. These components work together to collect, manage, and analyze customer data. The customer data management system is a system that enables businesses to manage their customer data. The system includes a database that stores customer data, and a web-based interface that enables businesses to access and update the customer data. The system also includes a set of tools that businesses can use to analyze the customer data.

Component diagram with explanation
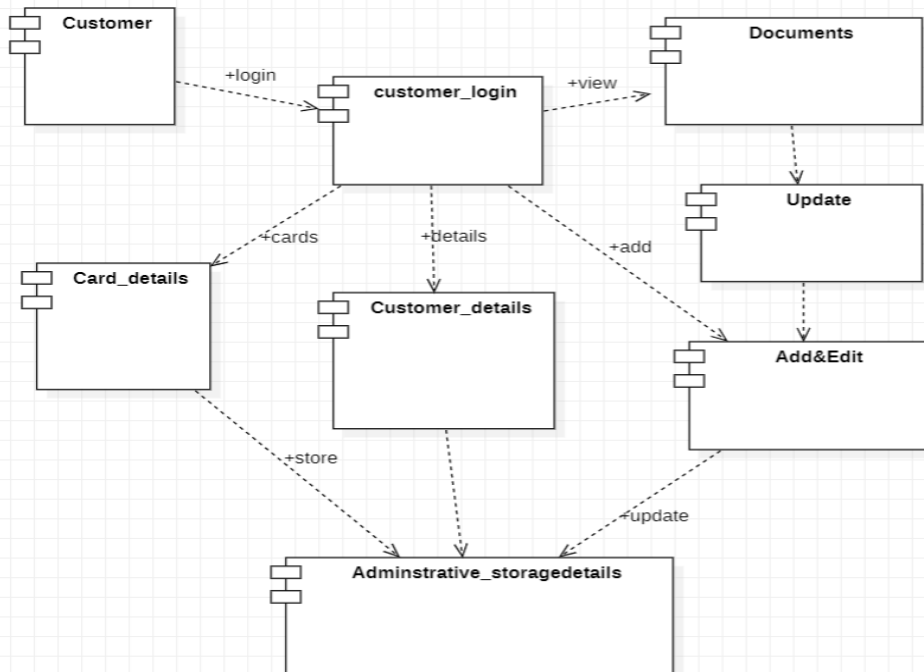
The customer data management system is a system that is used to manage
customer data. This system is used to store, update, and retrieve customer data.
The customer data management system is made up of a database, a user
interface, and a set of rules. The database is used to store customer data. The
user interface is used to allow users to interact with the system. The set of rules
is used to determine how the system will operate. The customer data
management system is responsible for managing customer data. This includes
storing customer data, as well as providing means for customer data to be
updated and deleted. The system also provides means for customer data to be
accessed by authorized personnel.

Deployment diagram with explanation
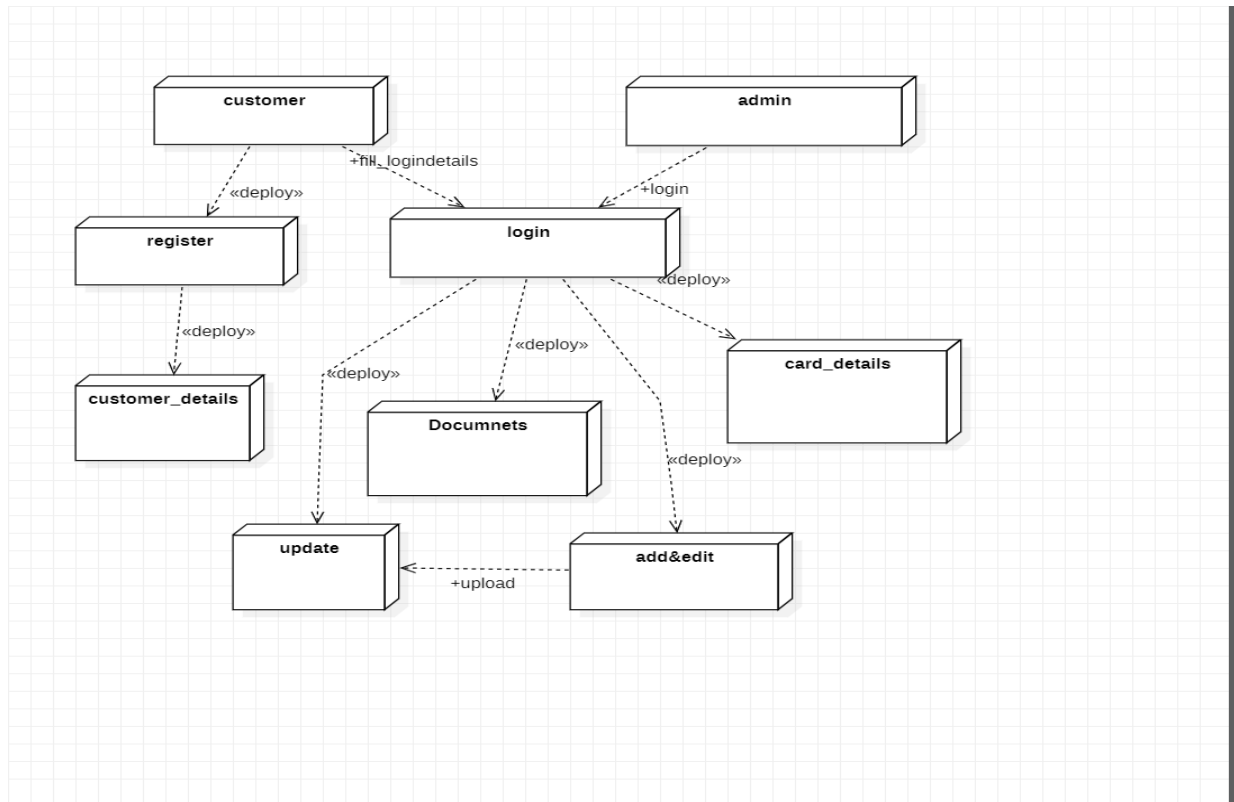
The deployment diagram for the customer data management system would show the different components that make up the system and how they are deployed. This would include the database, application server, web server, and any other components that are necessary for the system to function A deployment diagram is a type of diagram used to visualize the physical deployment of artifacts on nodes. In the context of customer data management, a deployment diagram could be used to visualize the customer data management system's architecture, and how it is deployed across a network. In particular, a deployment diagram would be useful for understanding the customer data management system's dependencies on other systems, and how it is deployed in relation to those systems.

Conclusion

A customer data management system is a tool used to track, store, and analyze customer data. This system can help businesses keep track of customer preferences, trends, and behaviour. It can also help businesses target their marketing and sales efforts more effectively. The customer data management system is very important for any business. It helps businesses keep track of their customers and their purchase history. This system can be used to target customers with specific marketing campaigns and to track the effectiveness of those campaigns. Additionally, the system can be used to track customer satisfaction levels and to identify areas where the business can improve.

References

1. customer data management system code

2. customer relationship management system code

3. customer information management system code.