# ATM System Component Diagram

## Component Diagram of ATM System Description

The ATM system is specialized software that aids in managing a bank account or holder's funds simply. Users can check account balances, make cash withdrawals or deposits, print a record of account activities or transactions, and even purchase stamps via the system.

Customers can utilize the ATM system to conduct self-service transactions such as deposits, cash withdrawals, bill payments, and account transfers. The bank where the account is stored, the ATM operator, or both, frequently levy cash withdrawal fees.

Banks have complete control over their ATM networks with the help of the ATM system. With warnings through SMS, email, and mobile app, the unified 'one-look' dashboard provides a snapshot of the state of health of all ATMs and the gadgets inside them. These statements were collected as the information concepts in developing the component diagram. The concept formulated will be applied to the component diagram illustration.

## What is ATM System Component Diagram in UML?

A component diagram in the (UML) Unified Modeling Language shows how parts are wired together to make bigger parts or software systems. They are used to show the structure of any kind of system.

The UML component diagram shows how an ATM system will be made up of a set of deployable components, such as dynamic-link library (DLL) files, executable files, or web services. Using well-defined interfaces, these parts communicate with each other and keep their internal details hidden from each other and the outside world.

## Benefits of using Component Diagram

As complicated as it looks, the component diagram is very important when you're building your system because it shows how everything works together. Here are the benefits of designing the ATM component diagram:

- Imagine how the system looks in real life.
- Pay attention to the system's parts and how they work together.
- Pay attention to how the service behaves when it comes to the interface.

# The Component Diagram of ATM System

This **component diagram of ATM system** is the illustration of the components of every hardware and software node. The component diagram below is a detailed illustration of the Deployment Diagram for ATM System.
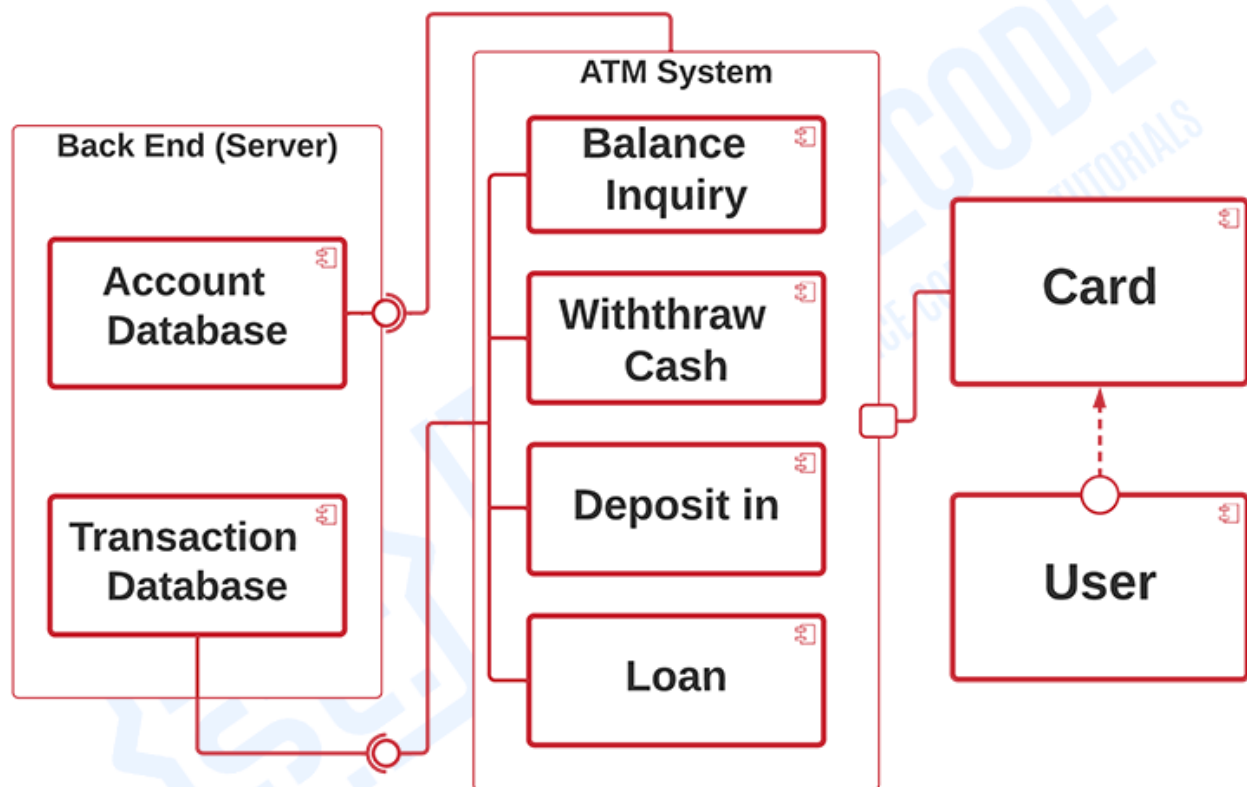


*UML Component Diagram for ATM System*

This component diagram shows the structure of the ATM system, which consists of the software components and their interfaces, and how they work together. You can use component diagrams to show how software systems work at a high level, or you can use them to show how each component works at a lower level, like in a package.

# ATM System Component Diagram (Explanation)

The **ATM System UML component diagram** explains the sketch of the required software and hardware components and the dependencies between them. These components are labeled to clarify their part in the system's operation. They were represented by symbols that explain their function and role in the overall ATM system operation.

The component diagram of ATM system has 8 components which are the account database, transaction database, balance inquiry, withdraw, deposit, loan, card, and the user. The components under the ATM system are the required interface at the same time are provided interface which serves as the provider for the transaction database and required for the accounts database.

The dependencies on each component are explained through the lines and arrows drawn in the diagram.