



# **CITY UNIVERSITY**

## **Assignment No -03**

**DEPARTMENT NAME: COMPUTER SCIENCE &  
ENGINEERING**

**COURSE CODE: CSE-325**

**COURSE NAME: SYSTEM ANALYSIS & DESIGN**

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## **Title Section : Sequence Diagram**

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### **SubSection : Sequence Diagram For ATM System**

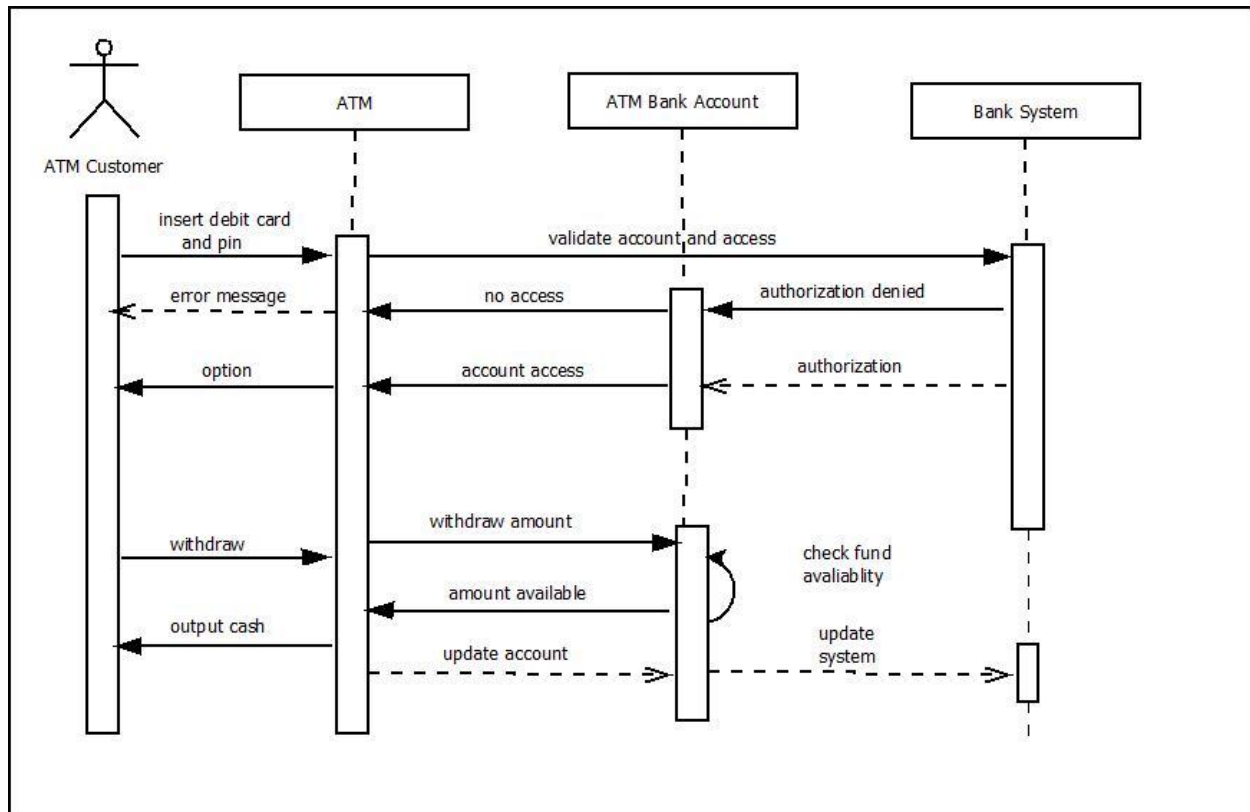
#### **Sequence Diagram**

**What Is Sequence Diagram.....?**

**What Is Activation .....?**

**Basic Sequence Diagram .....?**

**sequence diagram for atm system ....?**



## What Is Sequence Diagram.....?

Sequence Diagrams are interaction diagrams that detail how operations are carried out. They capture the interaction between objects in the context of a collaboration. Sequence Diagrams are time focus and they show the order of the interaction visually by using the vertical axis of the diagram to represent time what messages are sent and when.

## **What Is Activation .....**

Activation elements in the **UML Sequence Diagram** are boxes on the lifelines. These are also called the method-invocation boxes, and indicate that an object is responding to a message. It starts when the message is received and ends when the object is done handling the message.

## **Basic Sequence Diagram Notations....?**

Class Roles or Participants. Class roles describe the way an object will behave in context. ...

Activation or Execution Occurrence. Activation boxes represent the time an object needs to complete a task. ...

Messages. ...

Lifelines. ...

Destroying Objects. ...

Loops. ...

Synchronous Message. ...

Asynchronous Message.

## **sequence diagram for atm system ....?**

sequence diagram shows objects and the messages that are passed between these objects for the particular collaboration. This is a simple sequence diagram example for ATM. It shows the interaction from inserting card to verifying account and rejecting card.

To edit this sequence diagram template, simply click on Use this Template. Afterwards, you'll be able to add and remove actors and lifelines to your liking.

## References

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<https://www.visual-paradigm.com/guide/uml-unified-modeling-language/what-is-sequence-diagram/>

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