

Bank ATM

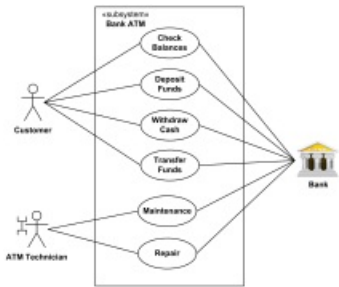
UML Diagram Examples

Here we provide several UML diagrams of different types, all part of a **Bank ATM** model.

Bank ATM UML use case diagram examples

Purpose: Describe use cases that an automated teller machine (ATM) or the automatic banking machine (ABM) provides to the bank customers.

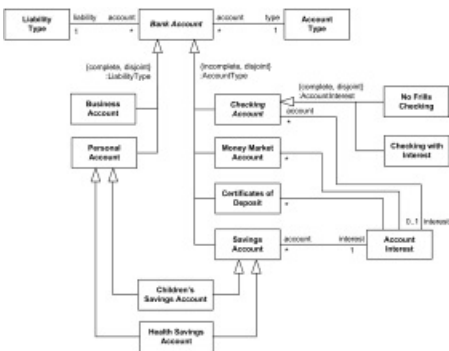
Summary: Customer uses a bank ATM to check balances of his/her bank accounts, deposit funds, withdraw cash and/or transfer funds (use cases). ATM Technician provides maintenance and repairs to the ATM.



Bank account UML class diagram example

Purpose: Domain model describing common types of bank accounts.

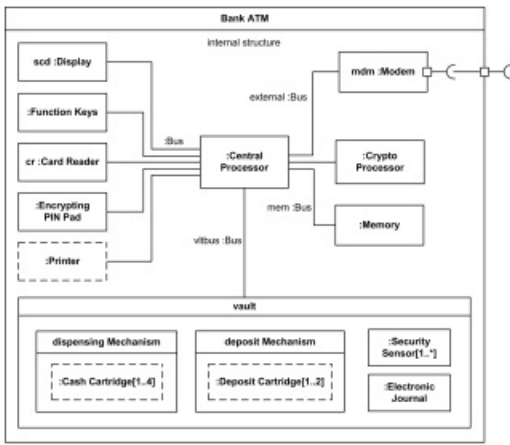
Summary: This example shows several subtypes of **Bank Account** using UML **generalization sets**. Bank accounts could be grouped into UML generalization sets based on different criteria. Example diagram shows bank accounts topology with two orthogonal dimensions and with corresponding **power types** Liability Type and Account Type.



Bank ATM UML composite structure diagram example

Purpose: Show internal structure of a bank ATM and relationships between different **parts** of the ATM.

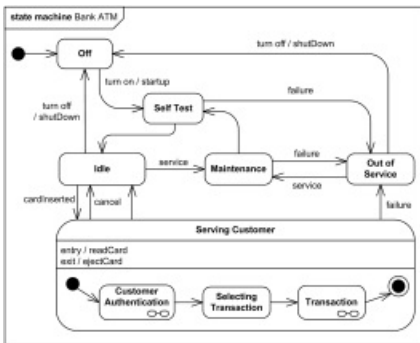
Summary: Bank ATM is typically made up of several devices such as central processor unit (CPU), cryptoprocessor, memory, customer display, function key buttons (usually located near the display), magnetic and/or smartchip card reader, encrypting PIN Pad, customer receipt printer, vault, modem.



Bank ATM behavioral state machine UML diagram example

Purpose: An example of UML **behavioral state machine** diagram describing Bank Automated Teller Machine (ATM) top level state machine.

Summary: ATM is initially turned off. After the power is turned on, ATM performs startup action and enters **Self Test** state. If the test fails, ATM goes into **Out of Service** state, otherwise there is **triggerless transition** to the **Idle** state. In this state ATM waits for customer interaction.



Noticed a spelling error? Select the text using the mouse and press Ctrl + Enter.

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 by [Kirill Fakhroutdinov](#)

This document describes **UML 2.5** and is based on **OMG™ Unified Modeling Language™ (OMG UML®) 2.5** specification **[UML 2.5 FTF - Beta 1]**.

All UML diagrams were created in **Microsoft Visio** 2007-2016 using **UML 2.2 stencils**. You can send your comments and suggestions to [webmaster](mailto:webmaster@uml-diagrams.org) at webmaster@uml-diagrams.org.

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