Department of CSE

Course Code : CSE-325

Course Title   : System Analysis & Design

Assignment Name: Write down a report on ATM Activity diagram.

Submitted to :

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Basic concept

Introduction:

The automated teller machine (ATM) is an automatic banking machine (ABM) which allows customer to complete basic transactions without any help of bank representatives. There are two types of automated teller machine (ATMs). The basic one allows the customer to only draw cash and receive a report of the account balance. Another one is a more complex machine which accepts the deposit, provides credit card payment facilities and reports account information

It is an electronic device which is used by only bank customers to process account transactions. The users access their account through special type of plastic card that is encoded with user information on a magnetic strip. The strip contains an identification code that is transmitted to the bank's central computer by modem. The users insert the card into ATMs to access the account and process their account transactions. The automated teller machine was invented by john shepherd-Barron in year of 1960

What is Activity Diagram

Activity Diagrams describe how activities are coordinated to provide a service. Activity Diagrams consist of activities, states and transitions between activities and states. You can use activity diagram to model the logic of a single use case, or even how to coordinate a collection of use cases for the entire targeted system being developed. For example, to model how the events in a single use case relate to one another - in particular, use cases where activities may overlap and require coordination.

Guidelines for creating Activity Diagrams

1) Minimize the number of crossings links or relationship among activities.

2) Reorganize larger diagrams into several smaller ones. It is often easier to have several diagrams on various levels of detail than a single complex one.

3) Use swimlanes to model responsibility of stakeholders, function of department or service provided by operational units.

4) It can be used to elaborate the logic of an entity in UML, such as, a use case, function or orchestration of several use cases and etc.

What is ATM

An automated teller machine (ATM) is an electronic banking outlet that allows customers to complete basic transactions without the aid of a branch representative or teller. Anyone with a credit card or debit card can access most ATMs.The first ATM appeared in London in 1967, and in less than 50 years, ATMs spread around the globe, securing a presence in every major country and even tiny little island nations such as Kiribati and the Federated States of Micronesia.ATMs are convenient, allowing consumers to perform quick, self-serve transactions from everyday banking like deposits and withdrawals to more complex transactions like bill payments and transfers.

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Activity Diagram.dia ✖   Diagram1.dia ✖   new ✖

Flowchart