Credit Card Processing System Activity Diagram

The UML activity diagram shows how the activities of a credit card processing system work together. It is one way to keep track of behavior, activities, and the development of software.

Additionally, the activity diagram uses symbols to define the overall workflow of the course registration system. It is composed of **activities**, **decisions**, and **paths** (flows).

Project Details

Name:	**Credit Card Processing System Activity Diagram**
UML Diagram:	Activity Diagram
Users:	**Bank Admin or Crews, and Credit Card Applicants**
Tools Used:	Diagram tools that provide activity diagram symbols.
Designer:	Sourcecodehero.com

What is Credit Card Processing System?

Credit card processing is a multi-step procedure necessary to handle credit card payments correctly. In the digital age, transactions can be conducted in person, online, over the phone, or by mail.

A credit card processing system is a piece of software that helps a business that is hard to run. It has many functions, such as new technology, payment networks, regulatory agencies, and financial institutions. Credit card processors can be of different quality, just like any other service that requires that much skill.
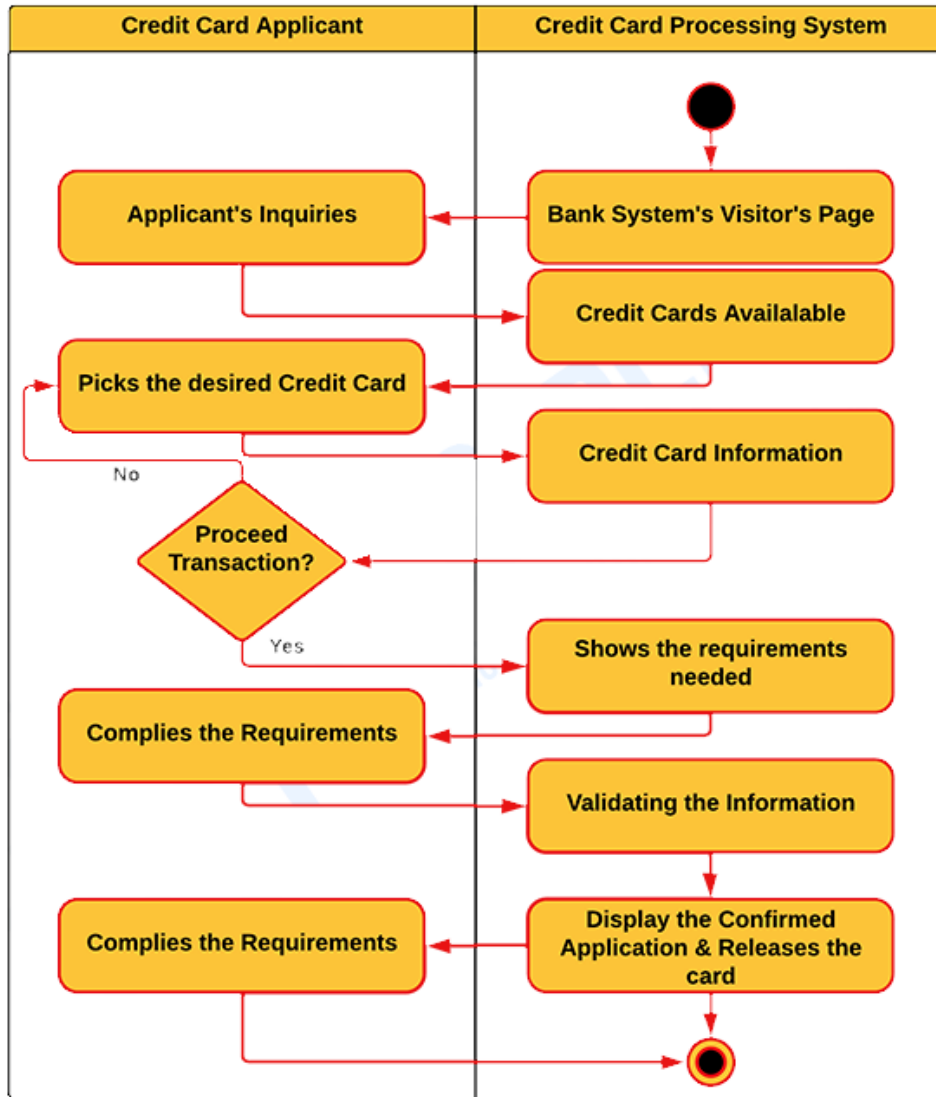
Define the Activity Diagram

An activity diagram, which is a type of UML, is a diagram that shows how something works. This picture shows how the system and clients talk to each other. This is done by giving them different levels of detail about how the system works.

The **activity diagram in UML** describes the processes in a use case diagram. Its' illustration can also be sequential or concurrent. It is one of the **Credit Card Processing System UML diagrams**.

Credit Card Processing System Activity Diagram

The **activity diagram** example expands the system's idea. It is shown in detail in the picture to help the programmers understand.

CREDIT CARD PROCESSING SYSTEM

Credit Card Applicant	Credit Card Processing System
Applicant's Inquiries	Bank System's Visitor's Page
	Credit Cards Availalable
Picks the desired Credit Card	Credit Card Information
Proceed Transaction? (No / Yes)	
Complies the Requirements	Shows the requirements needed
	Validating the Information
Complies the Requirements	Display the Confirmed Application & Releases the card

ACTIVITY DIAGRAM

Credit Card Processing System

We used the swimlane with three walls partition, as shown in the picture. The applicant lane is shown on the left side of the diagram. It covers all the things an applicant can do and what they can do with the system.

The system's goals and tasks are now in the right place. This is to show that the system is the one that does the work that the applicant asks for. So, the system can be reached by the applicant.

The applicant's account must be logged into the software for them to be able to use the system. The functions were then put in the spotlight as the activities moved forward and the system and users talked to each other.

You can add to this, and how you make your activity diagram is up to you. But make sure you have accurate information and list the important choices (actions).

How to Draw an Activity Diagram?

Time needed: 5 minutes.

Here are the steps in developing (designing) the **activity diagram for credit card processing system.**

- **Step 1: Familiarize Activity Diagram Symbols**

  To make an activity diagram, you need first to learn the symbols that are used. With the symbols, you can talk about how activities and interactions flow through the system.

- **Step 2: Identify the flow of actions.**

  After you know what the symbols mean, you will need to figure out how the actions happen. Your use case diagram would show how things would happen.

  When a user starts the card processing, a series of actions are called actions.

- **Step 3: Add the Actors (users) involved.**

  Actors do things to them, changing them into other things or changing how they are. This actor is a person or thing that affects the system.

- **Step 4: Trace the flow of activities.**

  To make a flow or path for activities, you need to know that flows can run, branch, or go in a certain order.

Conclusion:

In conclusion, we have learned What is an **activity diagram for credit card processing system** and the steps. This diagram acts as one of the methodologies for creating the system.

Therefore, using an **activity diagram in UML** will not only let you understand the project but also tell you its benefits. This diagram works best with the other UML Diagrams.