STUDENT MANAGEMENT SYSTEM USE CASE DIAGRAM

What is a Student Management System Use Case Diagram?

Student Management System [Use Case Diagram](#) is a visual representation of how a user might interact with a program. It depicts the system's numerous use cases and different sorts of users. The circles or ellipses are used to represent the use cases.
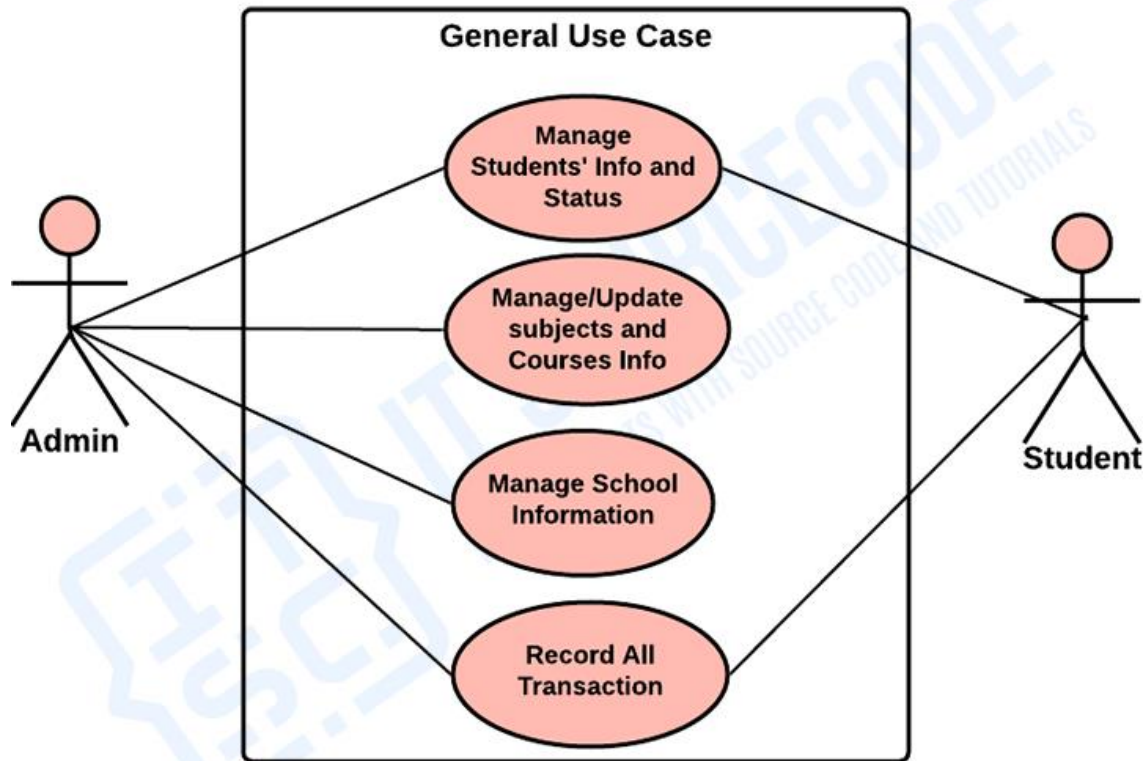
The **importance of use case diagram for Student Management System** is that it helps developers and enterprises in designing software. This includes the procedures from the viewpoint of users. It's known as system analysis methodology used for identifying, clarifying, and organizing system needs.

From the user's perspective, use case diagram specifies how the student management system responds to a request. Each use case is broken down into a series of fundamental steps. It starts with the user's goal and ends with the achievement of that goal.

Student Management System Use Case Diagram Illustrations

The Student Management System Use Case Diagram are the illustrations used to view the system's supposed behavior and structure. It has several diagrams showing how the student management system handle processes and interact with users.

Student Management System General Use Case - contains the main use cases and users in the system. These use cases will be elaborated in the following diagrams.

Student Management System General Use Case Diagram

The diagram shows the main use cases in student management. The use cases are the Manage Student's Info and Status, Manage or Update Subjects and Courses Info, Manage School Information, and Recording of all Transaction.
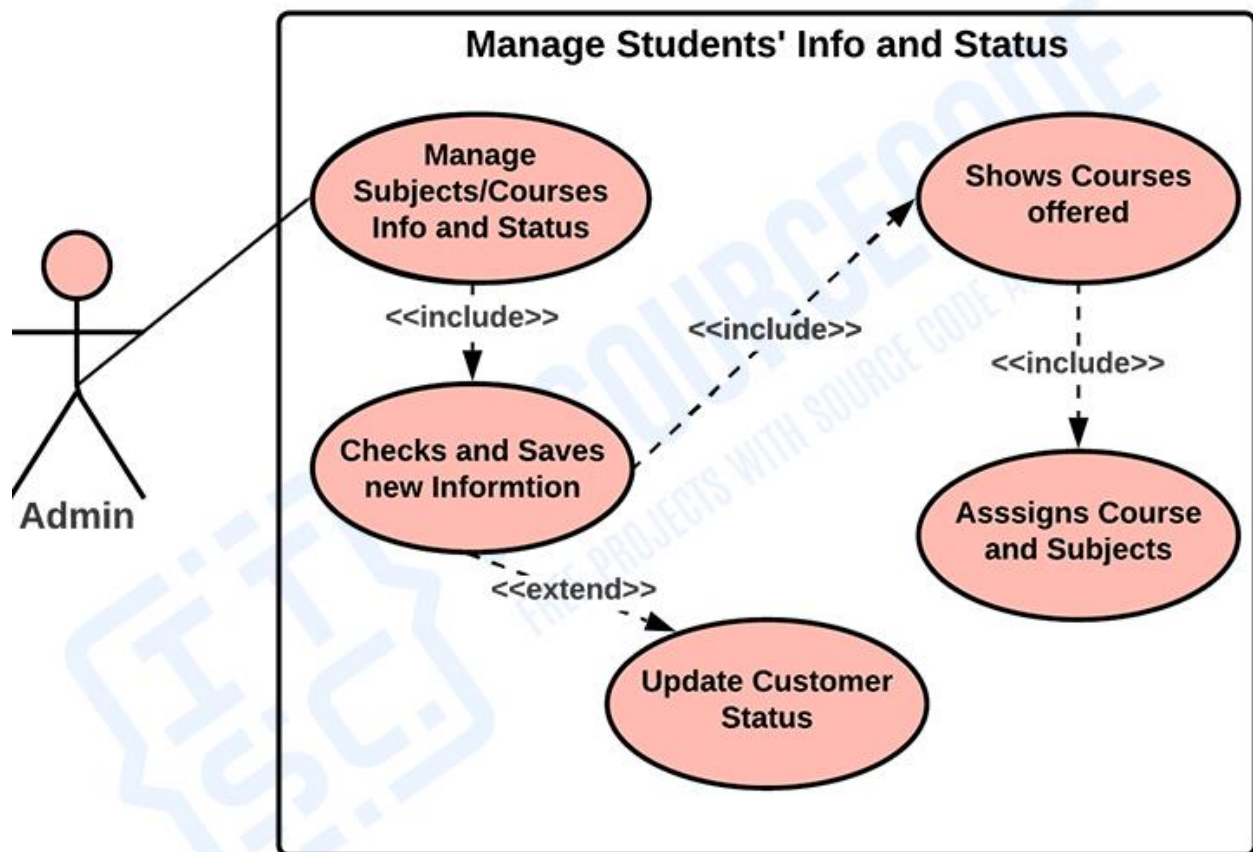
The processes mentioned can be modified and added with other ideas related to student management. You project use cases depends on the processes that your project requires.

Use Case Diagram for Student Management System using Include and Extend

Use Case Diagram for Student Management System using Include and Extend is used to elaborate the proceeding diagrams. The terms include and extend in use case diagram are known as indicators.

The label include is used to indicate that the sub-processes of the main processes must be included to complete the task. The Extend on the other hand, declares that the sub-processes can only be performed when needed.

Monitor and Manage Students' Information and Status - This diagram focuses mainly on the use case "Monitor and Manage Students' Information and Status". It includes the sub-processes which are pre-requisite to complete students' information monitoring and management.
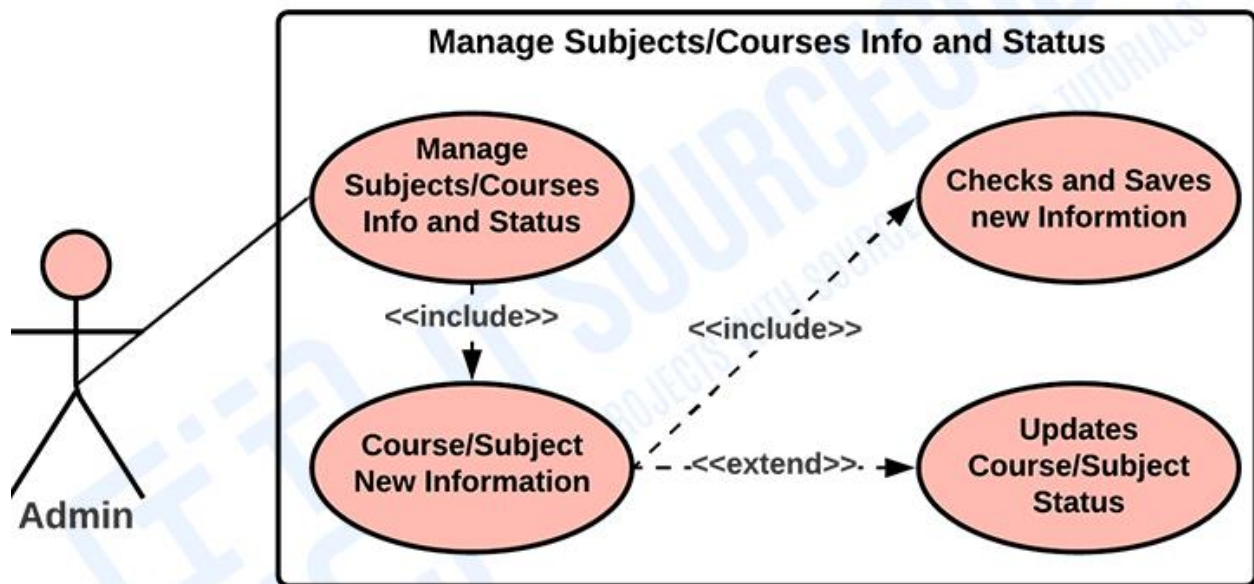

Monitor and Manage Students' Information and Status

This diagram shows a scenario where the school staff manages the important information of the student that will serve as basis during a student process a transaction and update their information.

As you can see the students' information should be encoded to the system. The system then will monitor its details to validate it and then saves the data.

Manage Courses/Subjects' Info and Status - This diagram focuses mainly on the use case "Manage Courses and Subject's Information and Status". It includes the necessary sub-processes to complete courses and subjects' information management.
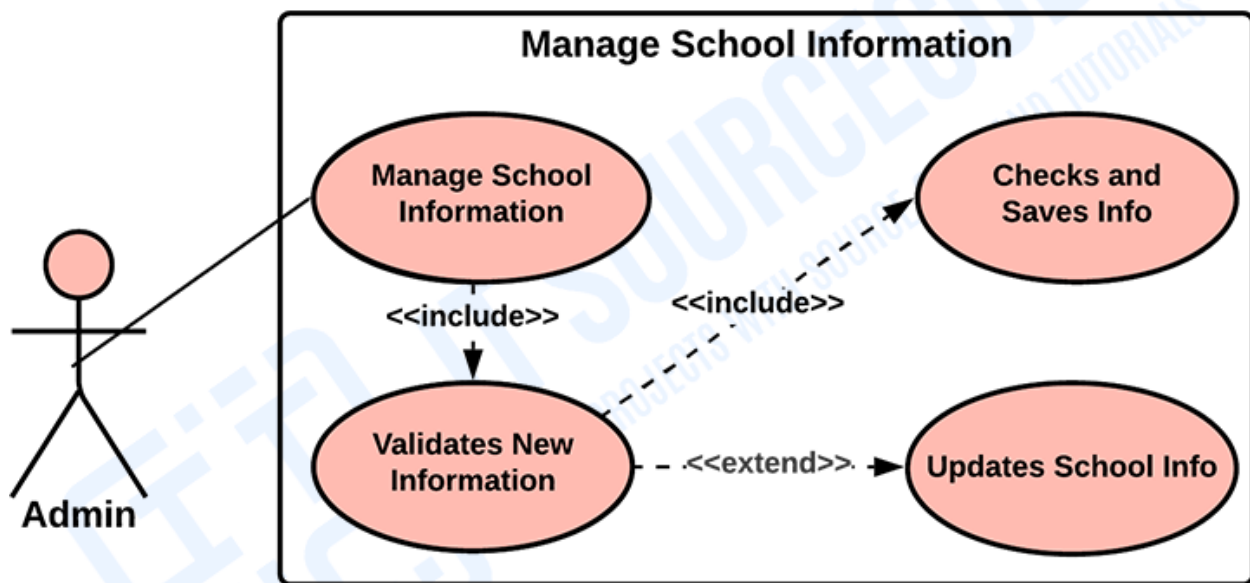
STUDENT INFORMATION SYSTEM

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Manage Courses/Subjects' Info and Status

This process starts with the encoding of a course that the school wants to offer. Then after the encoding, the admin will then assign the subjects that were under that certain course and then save it to have the prepared basis for the information updates.

Manage School Information - This diagram focuses mainly on the use case "Manage School Information". It includes the necessary sub-processes to complete school' information management.

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Manage School Information

This process explains about how the admin or users handles the transaction in accord to the school information. The essence of this process is that it records the transaction made between the students and the admin.

Additional Knowledge to Student Management System Use Case Diagram

The **objective** of a use case diagram is to show the interactions of numerous items called actors with the use case and to capture fundamental functionalities of a system. As you see through the diagrams, there are the use cases involved to define the core functions of a system.

These processes were expected by the users to be connected to produce a certain output. Being a programmer, this could be an important role that the **Student Management System** should have.

You can add more to this and it is up to you on how will you create your use case diagram. Only be precise with your information and consider the use cases that should be included.