STUDENT MANAGEMENT SYSTEM DFD

What is a Student Management System Project?

Student Management System Project is proposed and developed to improve the productivity of schools that will use it. This project will help the users in student management, processing enrollments and providing a quality service not only to the students but also to the parents. It would be much easier for the School administrators and staffs to handle task by using Student management System Project.

Student Management System Data Flow Diagram Definition

The **Student Management System Data Flow Diagram** is one of the blueprints used for system' development. It represents the system's major processes and alternatives that generate the flow of data within. The data included in the Data Flow Diagram was labeled properly to guide the developers on the **graphical representation** of the Student Management System.

Importance of DFD for Student Management System

The **importance of DFD for Student Management System** is that it improves audience's understanding about what will happen in the student management. This is done by helping them visualizing the system's data management at various levels of elaboration.

The data flow diagram helps in describing the flow of data in Student Management System. It denotes the steps involved in transferring data from the input to file storage and report output as its results.

The student management system data flow diagram involves major levels to elaborate the flow of data within the project. These levels have their part in expounding the details of the system's data flow structure. This structure will be the guide of the developers in designing the system's data handling.

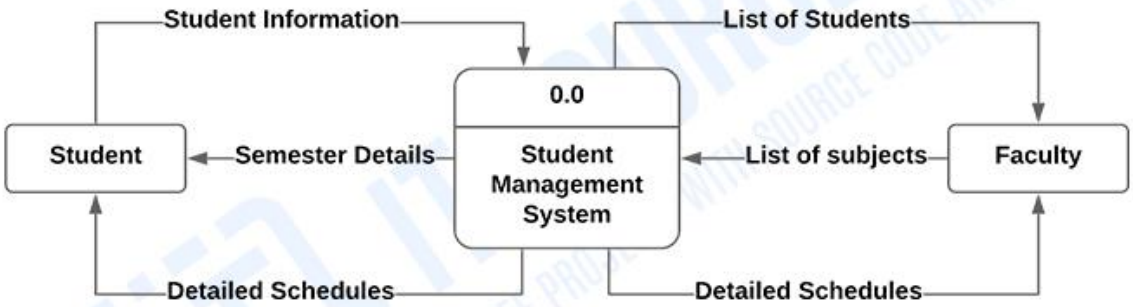
DFD Diagram of Student Management System

The DFD Diagram of Student Management System consist of three main Level. Each DFD Level elaborates the data that flows within the system. These diagrams clarify the description of data management in the project.

Student Management System DFD Level 0

The Student Management System DFD Level 0 also known as context diagram shows the main concept in a single process. It consists of the projects entities (users) and the general process and

data flow. This context is explaining how the project work in just one look. The users feed data into the system and then receives the output from it.

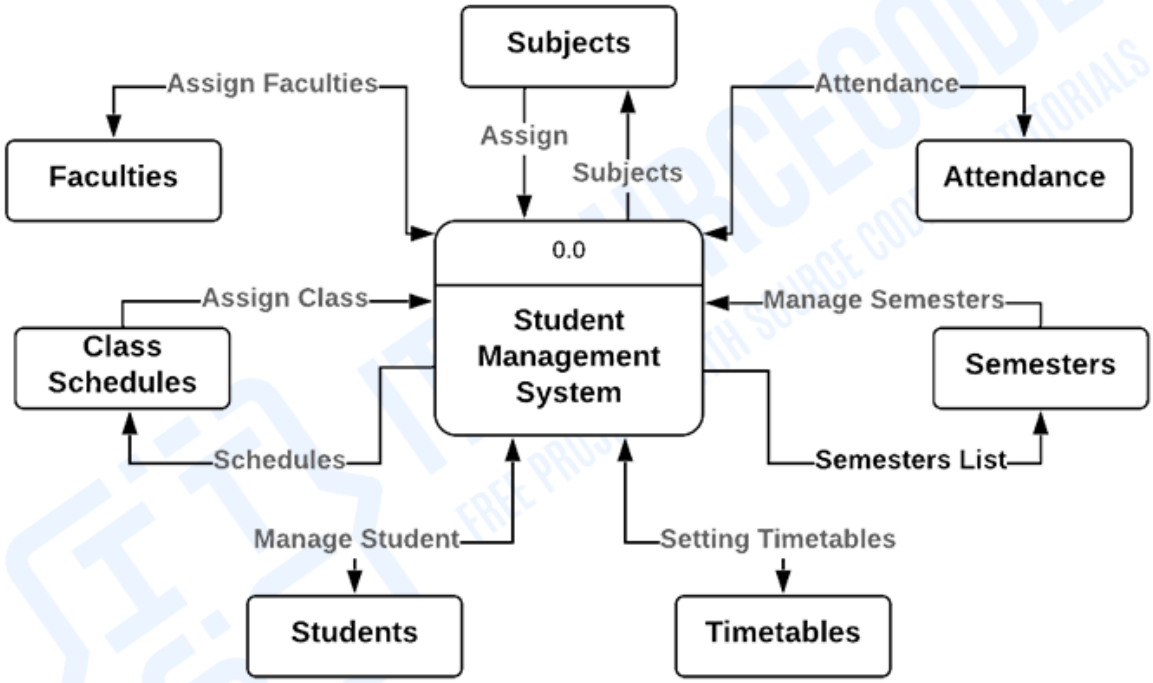


Student Management System DFD Level 0

In this data flow diagram, you will see the general process done in student management. This will also serve as a guide as you go through the deeper processes of the student management system data flow diagram. Its concept will be widened and specified in the next levels.

Student Management System DFD Level 1

The Student Management System DFD Level 1 is the wider view of the context diagram. Its' role is to clarify the idea presented in DFD level 0. This level widens the single process by discovering its included processes and plotting the data that'll pass through them.



Student Management System DFD Level 1

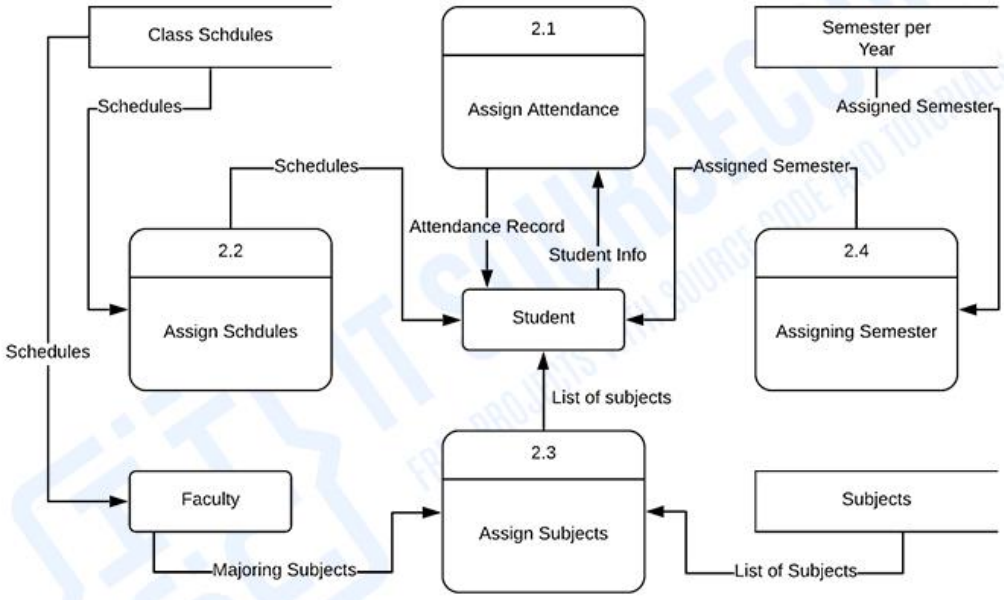
This diagram reveals to you the initial transformation of data from being an input into an output. It also informs you that the included external entities have their contribution and request to the system in doing its task. There are entities that only fed data into the project, some are only waiting for outputs but others are doing both.

The DFD diagram Level 1 could either be the highest abstraction or not. It depends on the project analyst if they need to expound their project content until they reached the desired project function.

Student Management System DFD Level 2

The Student Management System DFD Level 2 is defined as the project's highest abstraction. This is because it completes all the details needed to fulfill the overall function of the project. It's the highest form of blueprint used, to design the project's core function.

Software Engineers used DFD Level 2 to complete the information and instruction in designing a well-functional system. It’s because, the Level 2 has all the components needed in completing the project. It has the entities, processes and databases which will generate a path that leads the flow of data that enters and exits the System.



Student Management System DFD Level 2