

Violet Leroy administers the "Little Musicians" music school. She hires violin, cello, concertina and piano teachers on an hourly basis to teach children individually how to play their chosen instrument. She is responsible for hiring and paying teachers, recording the student information, billing the students' parents and scheduling lessons.

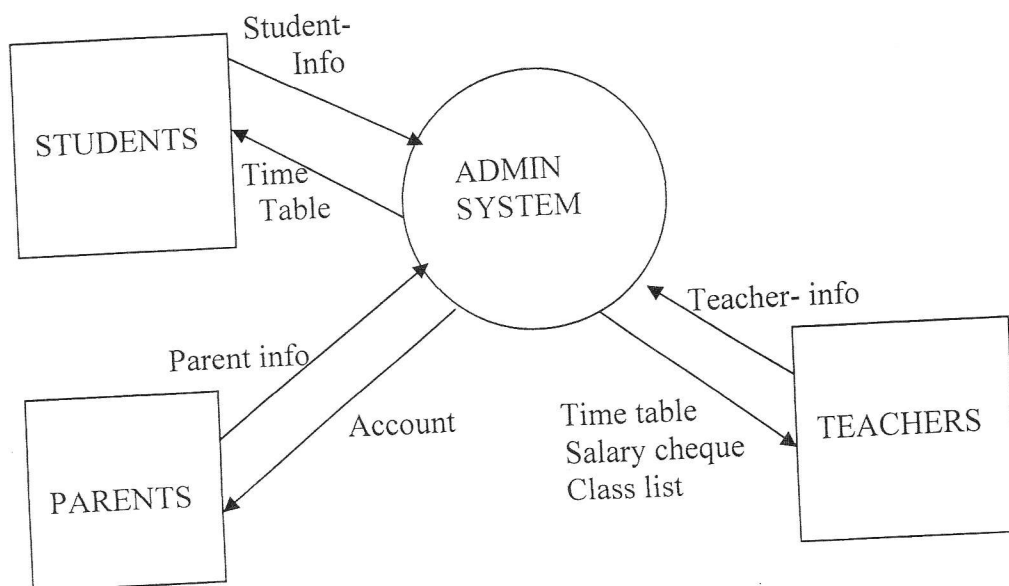
In the past she has recorded the students by typing lists for each class. Parents were recorded in a logbook as they enrolled their children. She prepared the teachers' salary cheques by counting the number of classes they taught each month and multiplying it by the tariff for the specific instrument obtained from a table of standard rates.

The system worked fine while the school was small. However, it has over 300 students and it is getting hard to remember all the details. She has decided that she wants to automate the system using a popular microcomputer database package. She plans to develop a system that checks if there is time available, so that a student can be accepted, that prints class lists, produces time tables for students and teaches, bills for parents and payments for teachers.

Student, parent, as well as teacher information should be maintained by the system. A bill for all tuition fees for all the children for one family is sent to the head of the family.

Tuition fees are calculated by multiplying the hours of tuition on each instrument by the lesson tariff for that instrument stated in the table of standard rates.

Context diagram



Question 1

