***Name:*** *Saad Mehmood*

***Reg no:*** *L1F17BSCS0033*

***School Management System***

***Case Study***

The student management system will be designed to keep the records of student of the school, their parents, their teachers, their subjects, grades, attendance, class rooms, class room students, exams, exams type, exams results and Fee;

* **Student:**

The SMS will keep the record of Student ID, fname, lname, DOB, phone no, email, Date of joining, parent ID, CNIC, password.

* **Parent:**

The SMS will keep the record of Parent ID, fname, lname, email, password, DOB, CNIC, Address (permanent), Address (temporary).

* **Teacher:**

The SMS will keep the record of Teacher ID, email, fname, lname, phone no, DOB, CNIC, Address (permanent), Address (temporary), Password.

* **Subject:**

The SMS will keep the record of Subject ID, title, description, grade ID.

* The SMS will keep the record of Grade ID, Name, and description.
* **Attendance:**

The SMS will keep the record of Attendance in which it will have Date, student ID and status.

* **Class\_Room:**

The SMS will keep the record of class room ID, year, grade ID, section, teacher ID.

* The SMS will keep the record of Class room student in which it will have classroom ID and Student ID
* **Exam:**

The SMS will keep the record of exam ID, exam type ID and exam start date.

* **Exam\_Type:**

The SMS will keep the record of exam type ID, name and description.

* **Exam\_Result:**

The SMS will keep the record of exam ID, Student ID, Course ID and marks.

* **Fee:**

The SMS will store the record of Student ID, Class ID, Discount Fee, Sibling Fee, Fine, Sports Fee and Total Fee.

The School management system will make things easier for the people who will use it as data can be easily entered managed and deleted, plus it provides us more security of data as only authorized people will be allowed to do changing and manipulation in the data.