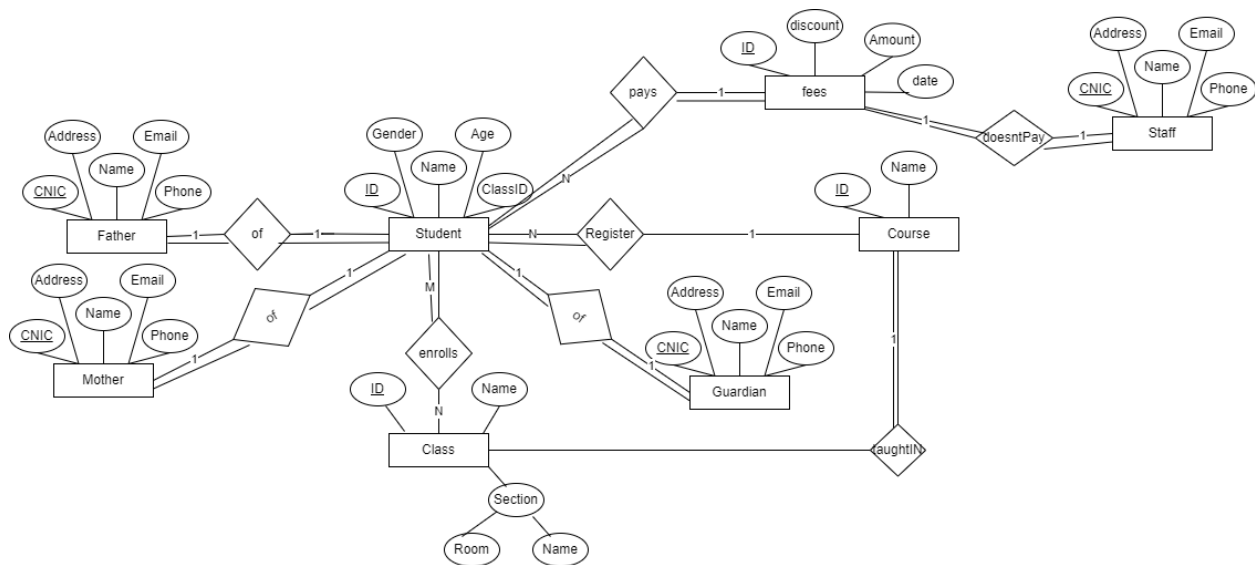# Database Project Report

Group Members:

1. Jiyad Khan (19I-1771)
2. Waleed Mukhtar (19I-0485)
3. Abdullah Faisal (19-1911)

Project ERD:

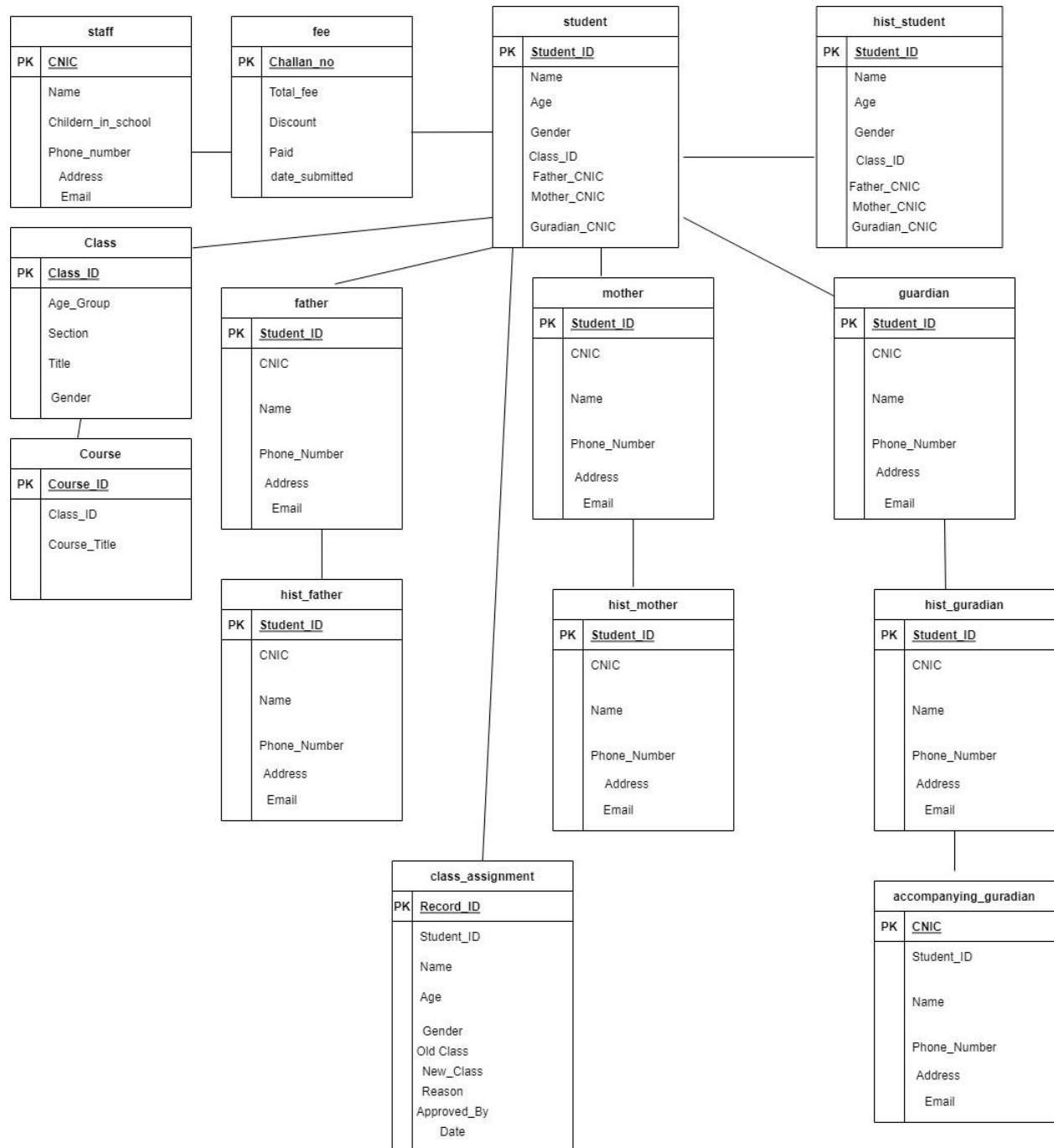## Project Relational Schemas/Mapping:

staff

PK	CNIC
	Name
	Childern_in_school
	Phone_number
	Address
	Email

fee

PK	Challan_no
	Total_fee
	Discount
	Paid
	date_submitted

student

PK	Student_ID
	Name
	Age
	Gender
	Class_ID
	Father_CNIC
	Mother_CNIC
	Guradian_CNIC

hist_student

PK	Student_ID
	Name
	Age
	Gender
	Class_ID
	Father_CNIC
	Mother_CNIC
	Guradian_CNIC

Class

PK	Class_ID
	Age_Group
	Section
	Title
	Gender

Course

PK	Course_ID
	Class_ID
	Course_Title

father

PK	Student_ID
	CNIC
	Name
	Phone_Number
	Address
	Email

mother

PK	Student_ID
	CNIC
	Name
	Phone_Number
	Address
	Email

guardian

PK	Student_ID
	CNIC
	Name
	Phone_Number
	Address
	Email

hist_father

PK	Student_ID
	CNIC
	Name
	Phone_Number
	Address
	Email

hist_mother

PK	Student_ID
	CNIC
	Name
	Phone_Number
	Address
	Email

hist_guradian

PK	Student_ID
	CNIC
	Name
	Phone_Number
	Address
	Email

class_assignment

PK	Record_ID
	Student_ID
	Name
	Age
	Gender
	Old Class
	New_Class
	Reason
	Approved_By
	Date

accompanying_guradian

PK	CNIC
	Student_ID
	Name
	Phone_Number
	Address
	Email

Table Details:

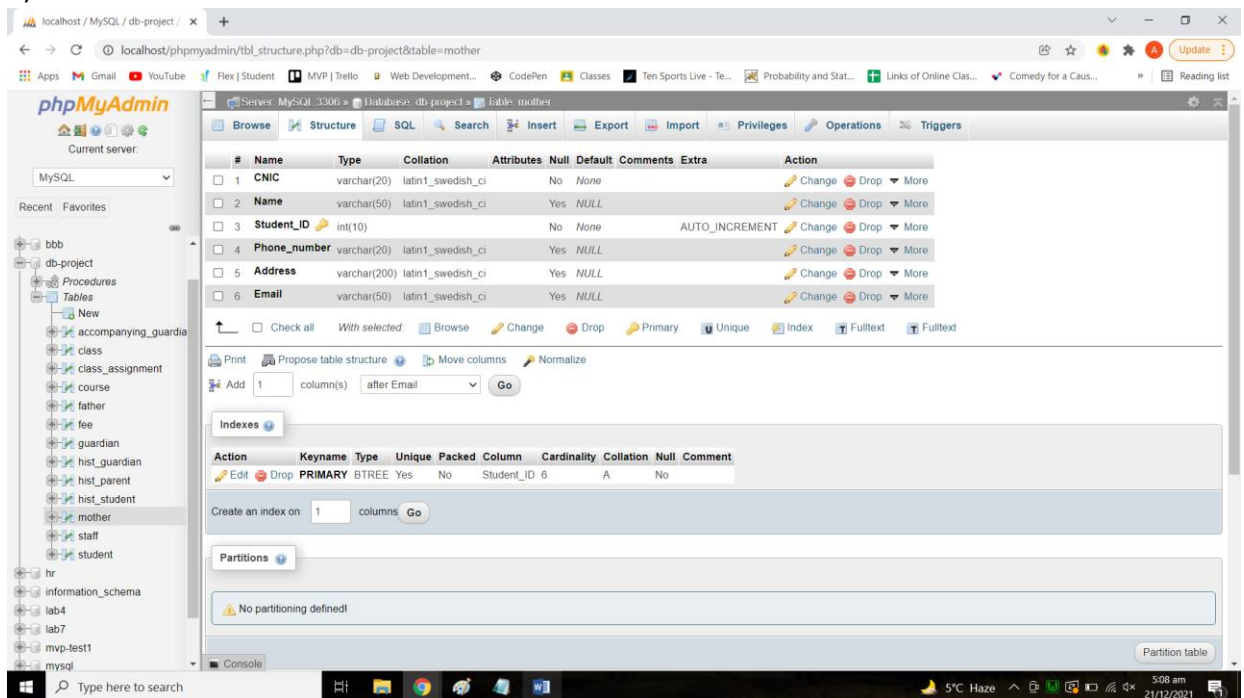We made 13 tables in total for this project.

1)

The student table to keep the basic student records.
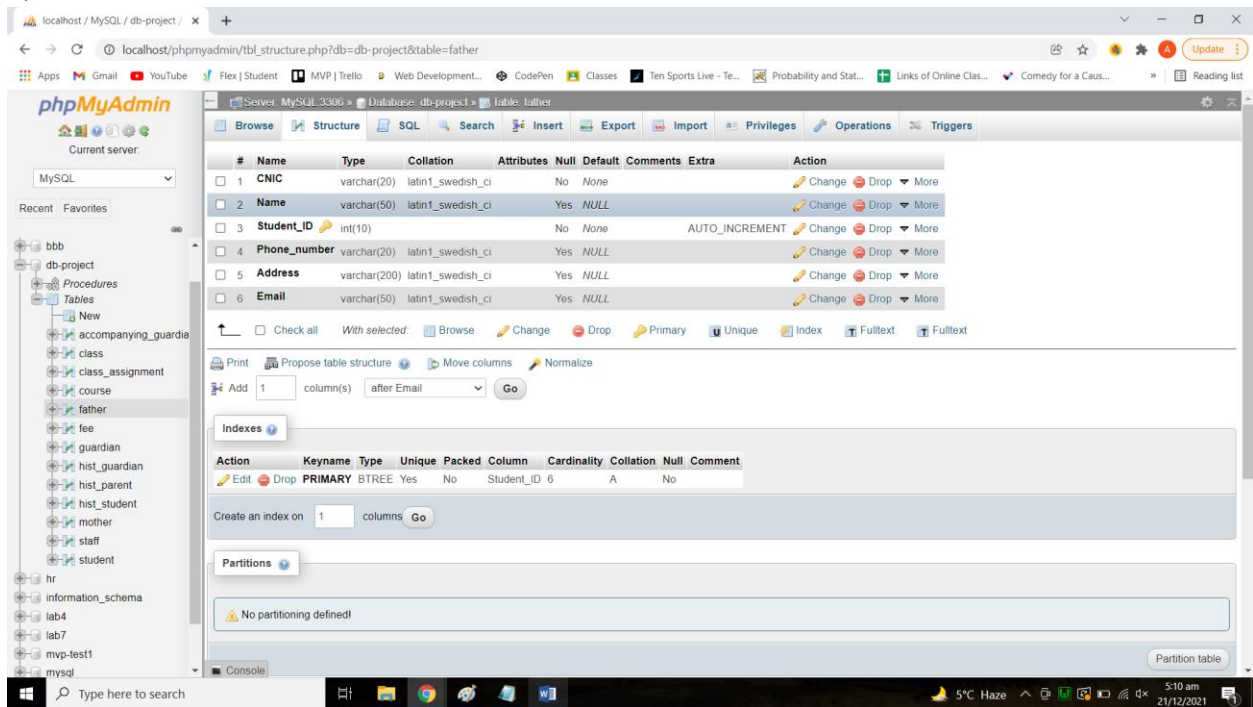
2)
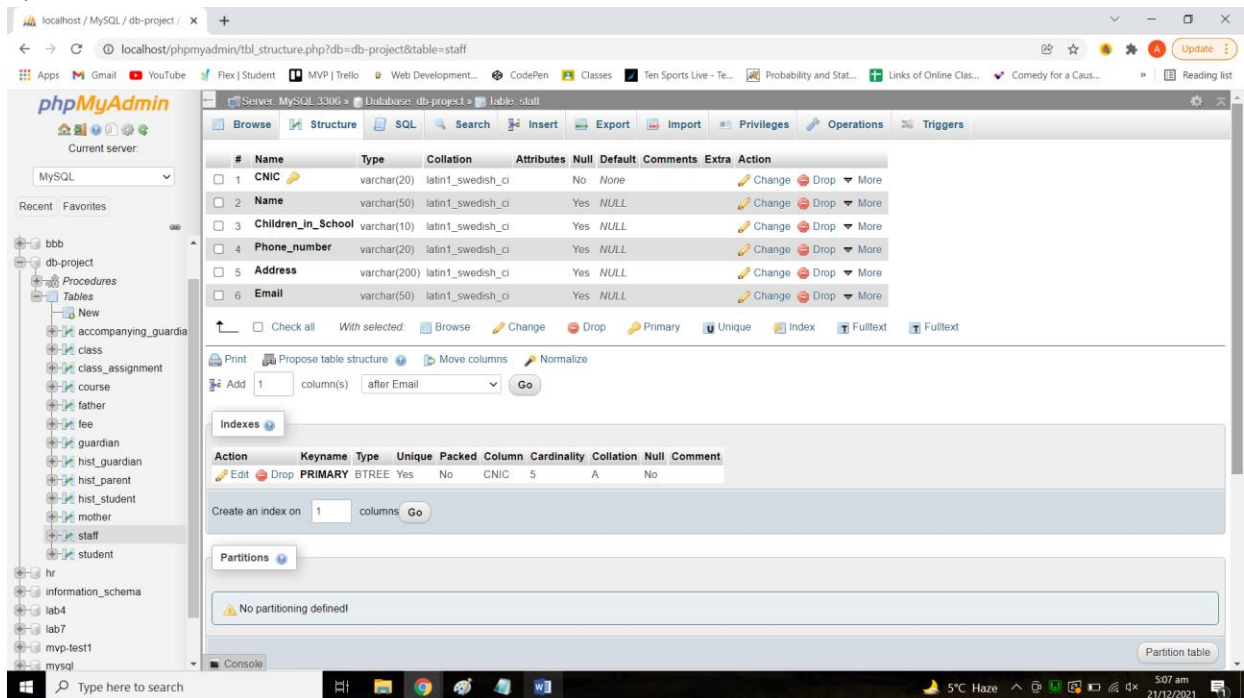
The staff table to keep record of the staff of the school, and more importantly their children.
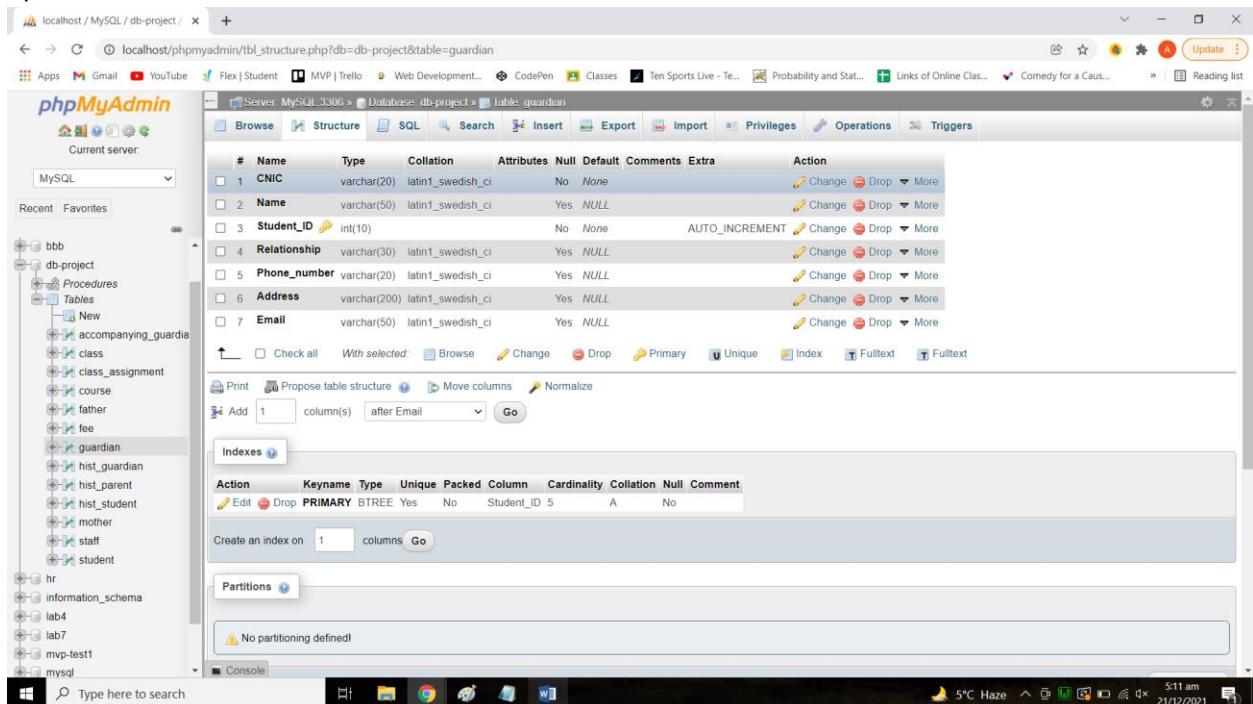
3)

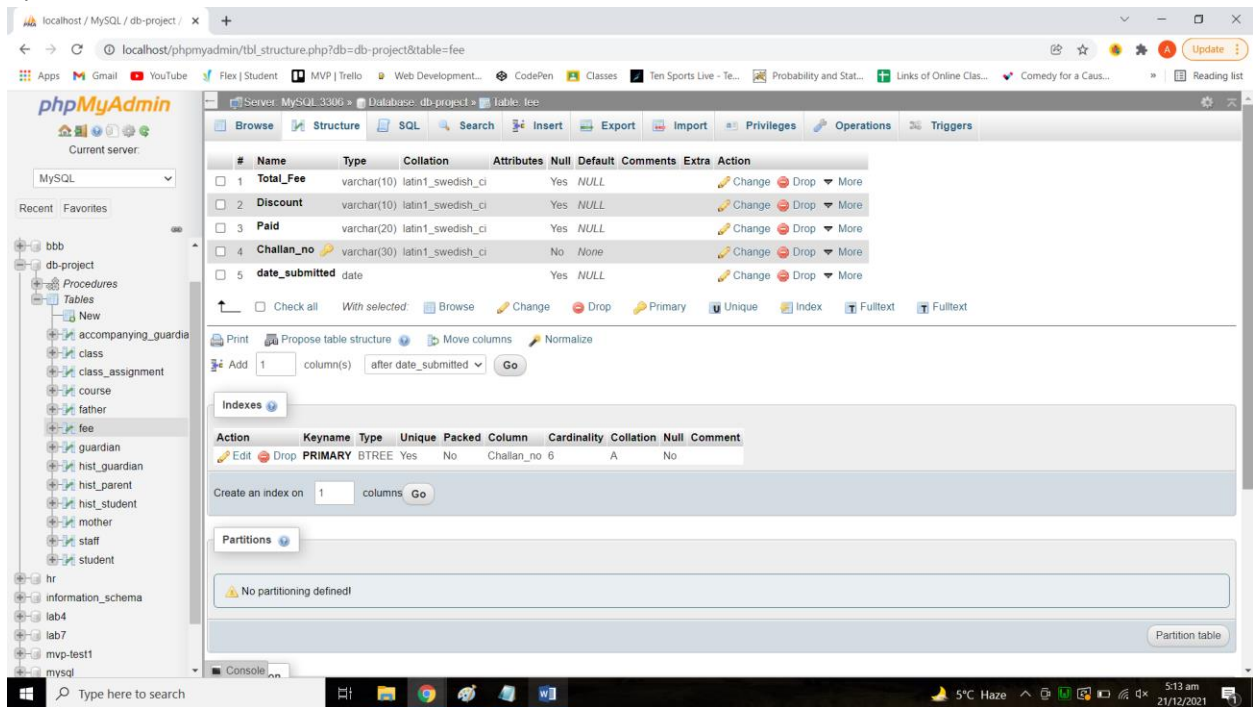A table to record the data of the mothers of enrolled students

4)

A table to record the data of the fathers of enrolled students
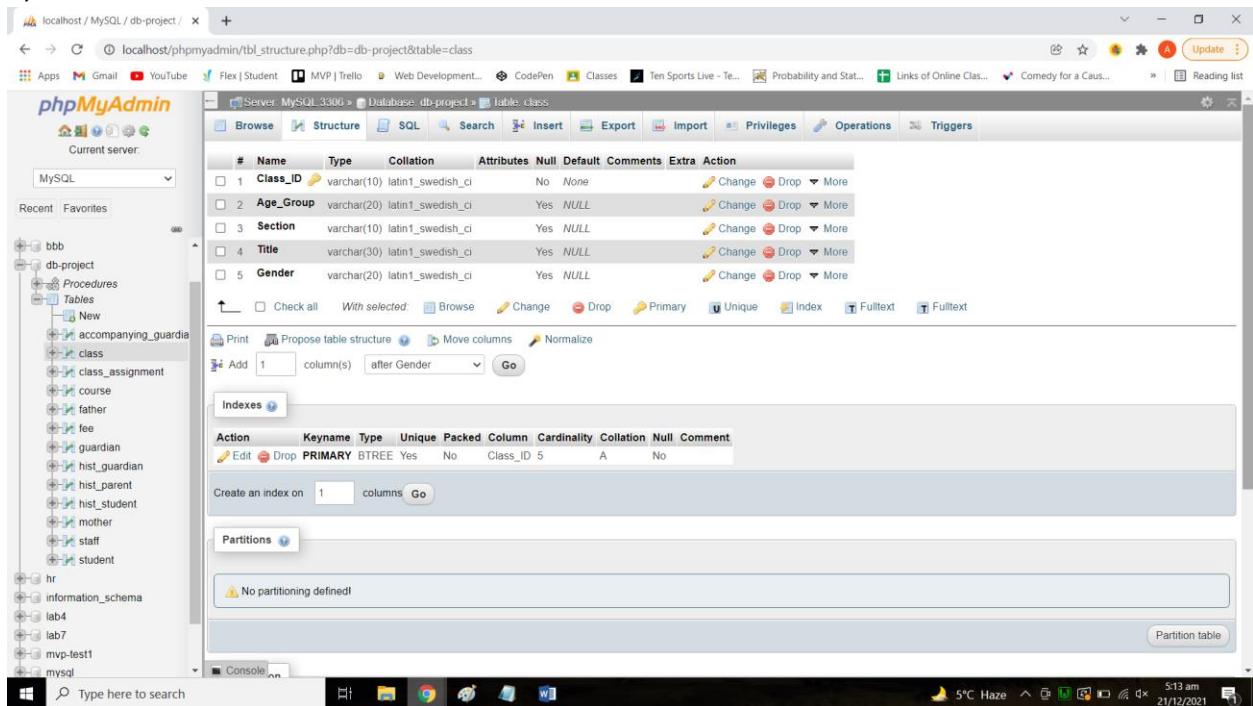
5)

A table to record the data of the registered guardians of enrolled students

6)

A table to record the fee process

7)

A table to record the appropriate class information in the school

8)

A table to keep track of all the courses being taught at the school.

9)

A special table to record in case a guardian needs to accompany a child

10)

A special table to keep track of change of class and class assignment to students

11)

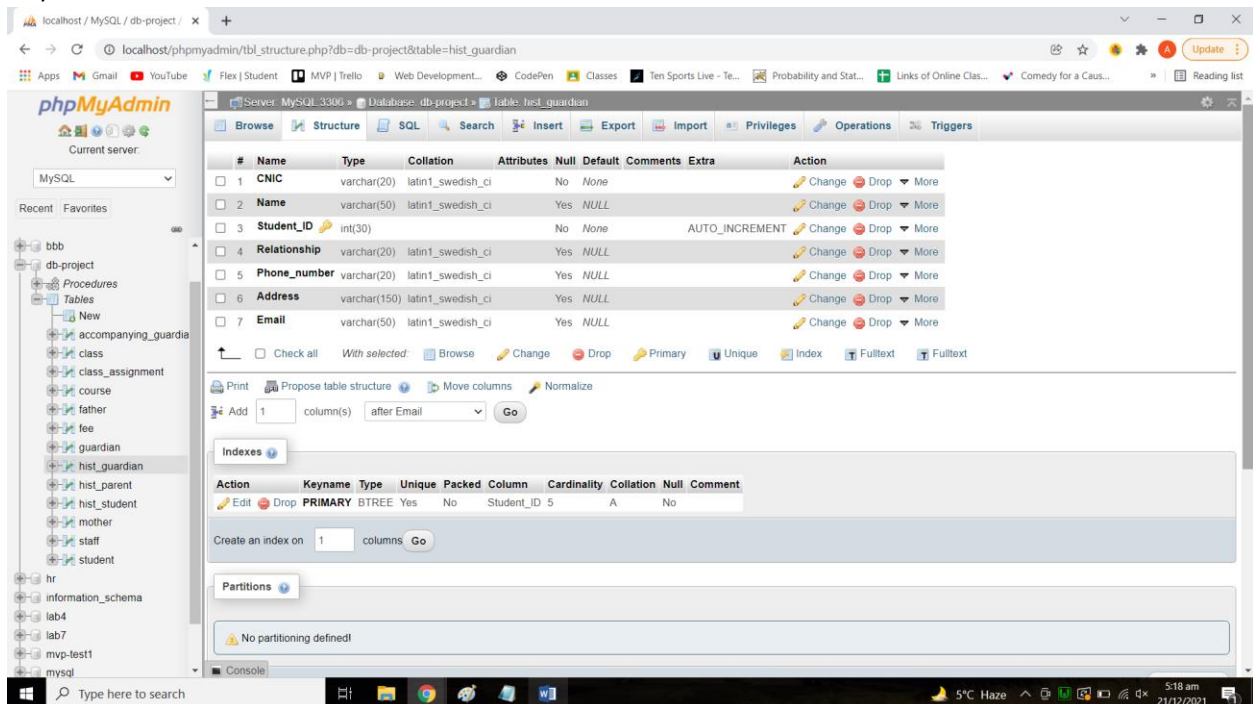A table to track changes to the parent records as required

12)
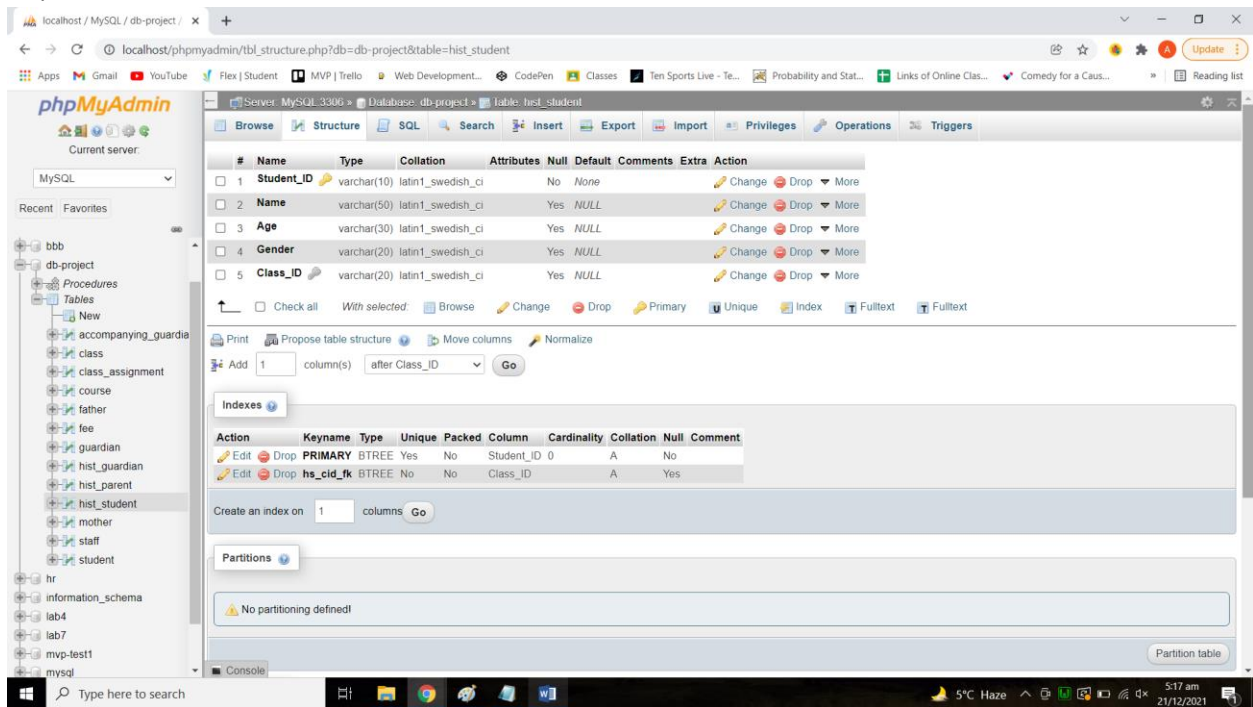
A table to track changes to the student records as required

13)

A table to track changes to the guardian records as required