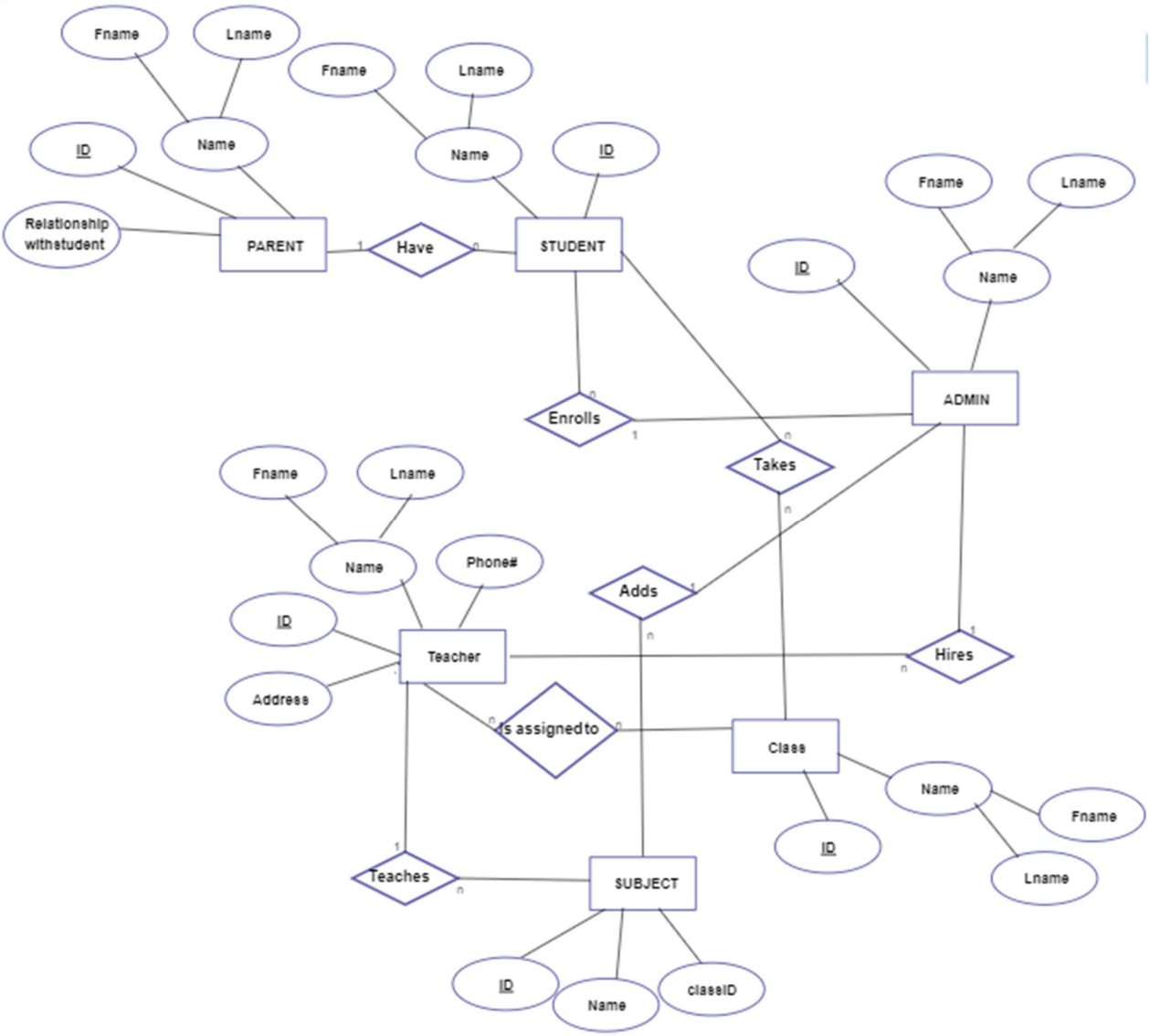
ER diagram for School management system

Introduction: Designing a Complete ER (Entity-Relationship) diagram for a School Management system would involve several entities, relationship and attributes. Due to the Complexity of such a system, I can provide you with a simplified example, along with a SQL code snippet for creating the database tables. Keep in mind that a real-world school management system would likely be more complex.



Entities:

1. Student:
   Attributes: StudentID (Primary key), Name, FastName, LastName
2. Parent:
   Attributes: ID (Primary key), Name, FastName, LastName
3. Admin:
   Attributes: ID (Primary key), Name, FastName, LastName
4. Teacher:
   Attributes: ID (Primary key), Name, FastName, LastName, Address, Phone
5. Class:
   Attributes: ID (Primary key), Name, ClassName
6. Subject:
   Attributes: ID (Primary key), Name, ClassID

Relationships:
1. Each Student can be enrolled in multiple Courses (Many-to-Many relationship between Student and Course through enrollment).
2. Each Teacher can teach multiple Courses (One -to-Many relationship between Teacher and Course)
3. Each Class can have multiple Students Courses (One -to-Many relationship between Student and Class)
4. Each Course can be taught in multiple classes Courses (Many-to-Many relationship between Subject and Class through enrollment)

Database Code:

```
CREAT TABLE Student (
StudentID INT PRIMARY KEY,
Name NVARCHAR (50),
FastNAME NVARCHAR (50),
LastName NVARCHAR (50)
);

CREAT TABLE Parent (
ID INT PRIMARY KEY,
Name NVARCHAR (50),
FastNAME NVARCHAR (50),
LastName NVARCHAR (50)
);
```

```
CREAT TABLE Admin (
StudentID INT PRIMARY KEY,
Name NVARCHAR (50),
FastNAME NVARCHAR (50),
LastName NVARCHAR (50)
);


CREAT TABLE Teacher(
ID INT PRIMARY KEY,
Name NVARCHAR (50),
FastNAME NVARCHAR (50),
LastName NVARCHAR (50),
Adress NVARCHAR (Max),
Phone NVARCHAR (15)
);

CREAT TABLE Class (
ID INT PRIMARY KEY,
Name NVARCHAR (50),
ClassID NVARCHAR (50)
);

CREAT TABLE Subjet (
ID INT PRIMARY KEY,
Name NVARCHAR (50),
SubjectID INT (50)
);
```

This is a Simplification representation and a real school management system would include many more entities, attributes and Complex Relationships. Additionally would need to implement business logic, security and more feature on the specification requirements of your school management system.