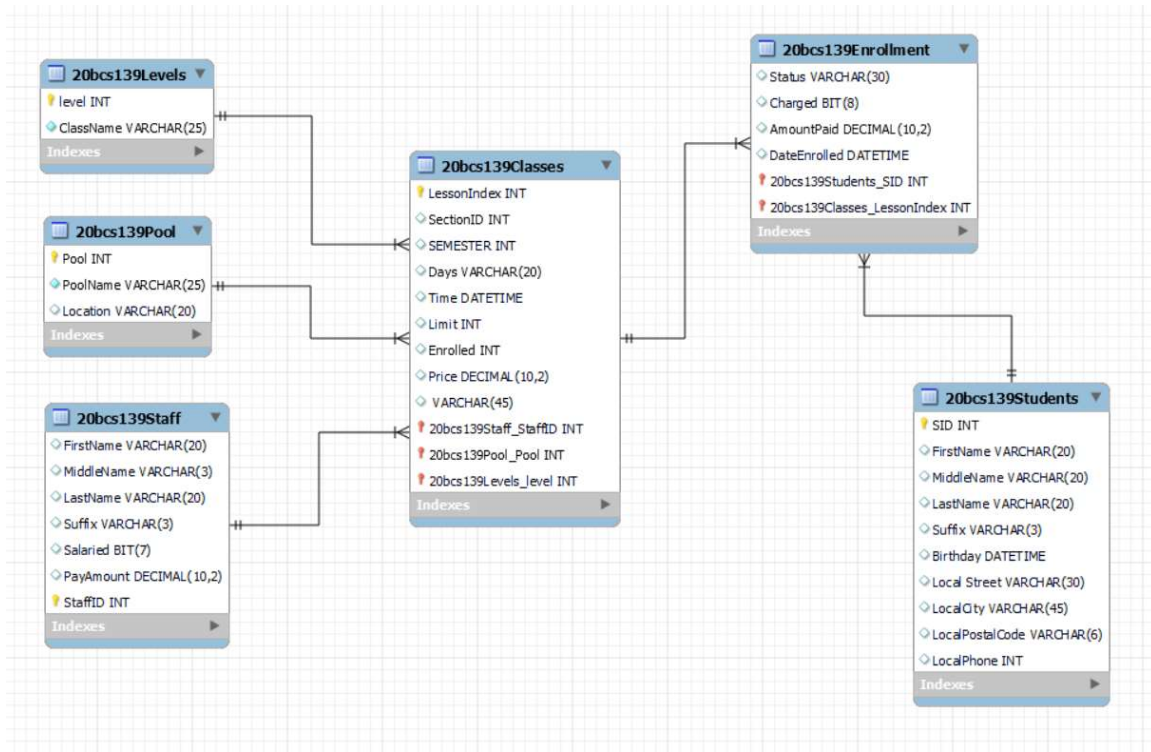


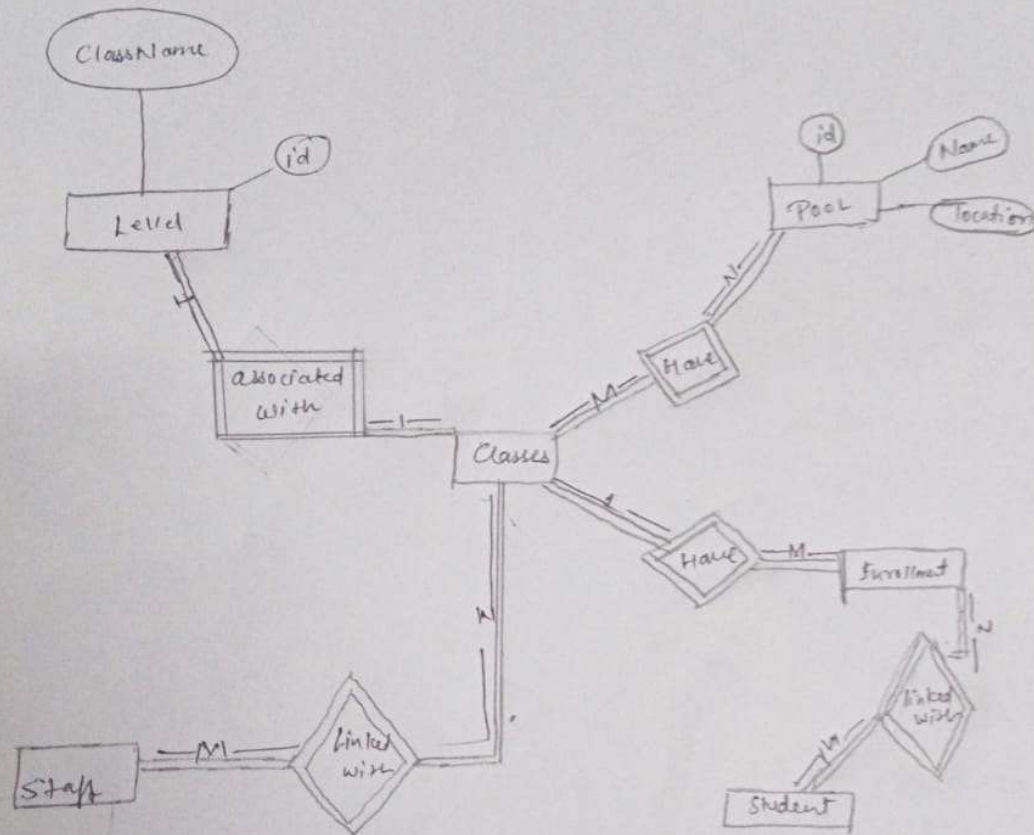
## CONCEPTUAL DATA MODEL



1. Crow -Foot technique used
2. Key type described
3. Total; six tables used

## SCHEMA DIAGRAM

## Scheme Diagram



1. Only 1 level will be associated with a class.
2. Atleast 1 Pool will be linked with 1 class.
3. Staff may or may not be linked with a class.
4. Classes have enrolled students.
5. Students have enrolled with atleast 1 class

## CARDINALITY

The screenshot shows a 'Relationship' configuration window. It defines a relationship between two tables:

- Referencing Table:** 20bcs139Classes. It includes a foreign key 'fk\_20bcs139Classes\_20bcs139Levels1' and a field '20bcs139Levels\_level: INT (PK)'. The 'Mandatory' checkbox is checked.
- Cardinality:** The 'One-to-Many (1:n)' option is selected. There is an 'Invert Relationship' button.
- Referenced Table:** 20bcs139Levels. It includes a field 'level: INT (PK)'. The 'Mandatory' checkbox is checked.
- Identifying Relationship:** The checkbox is checked.

Each table configuration section has an 'Edit Table...' button.

Relationship x

Referencing Table  
**20bcs139Classes**  
Foreign Key: fk\_20bcs139Classes\_20bcs139Pool1  
20bcs139Pool\_Pool: INT (PK)

Cardinality  
☐ One-to-One (1:1)  
☒ One-to-Many (1:n)  
Invert Relationship

Referenced Table  
**20bcs139Pool**  
Pool: INT (PK)

☒ Mandatory Edit Table...

☒ Identifying Relationship

☒ Mandatory Edit Table...

Relationship x

Referencing Table  
**20bcs139Classes**  
Foreign Key: fk\_20bcs139Classes\_20bcs139Staff1  
20bcs139Staff\_StaffID: INT (PK)

Cardinality  
☐ One-to-One (1:1)  
☒ One-to-Many (1:n)  
Invert Relationship

Referenced Table  
**20bcs139Staff**  
StaffID: INT (PK)

☒ Mandatory Edit Table...

☒ Identifying Relationship

☒ Mandatory Edit Table...

Relationship x

Referencing Table  
**20bcs139Enrollment**  
Foreign Key: fk\_20bcs139Enrollment\_20bcs139Students  
20bcs139Students\_SID: INT (PK)

Cardinality  
☐ One-to-One (1:1)  
☒ One-to-Many (1:n)  
Invert Relationship

Referenced Table  
**20bcs139Students**  
SID: INT (PK)

☒ Mandatory Edit Table...

☒ Identifying Relationship

☒ Mandatory Edit Table...

Relationship ✕

Referencing Table

**20bcs139Enrollment**

Foreign Key: fk\_20bcs139Enrollment\_20bcs139Class

20bcs139Classes\_LessonIndex: INT (PK)

☒ Mandatory Edit Table...

Cardinality

☐ One-to-One (1:1)

☒ One-to-Many (1:n)

Invert Relationship

☒ Identifying Relationship

Referenced Table

**20bcs139Classes**

LessonIndex: INT (PK)

☒ Mandatory Edit Table...