

CC-215

LABORATORY 01

DBMS

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➤ Unary Relationship:

- **DEFINITION:**

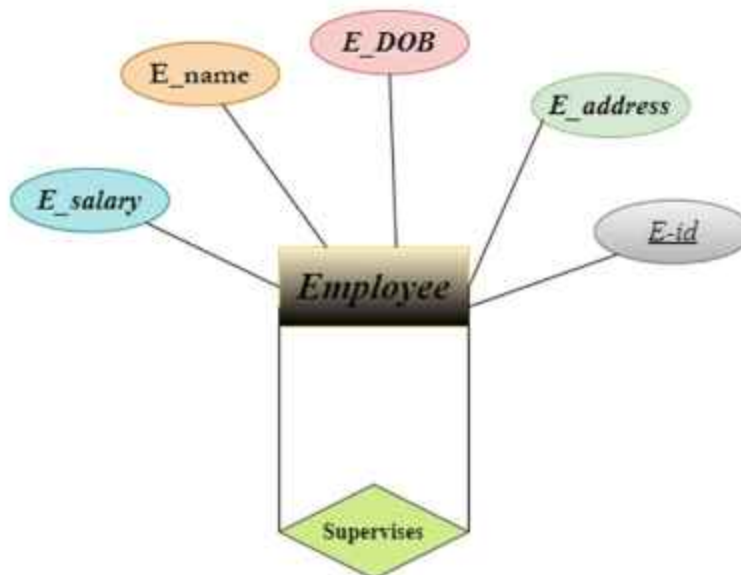
A unary relationship (also known as a recursive relationship) occurs when an entity is related to itself. This means that a single entity type has a relationship with itself.

- **Example:**

Consider an employee database where an employee can supervise other employees. In this case, the "Employee" entity has a unary relationship because one employee can be a supervisor of another employee.

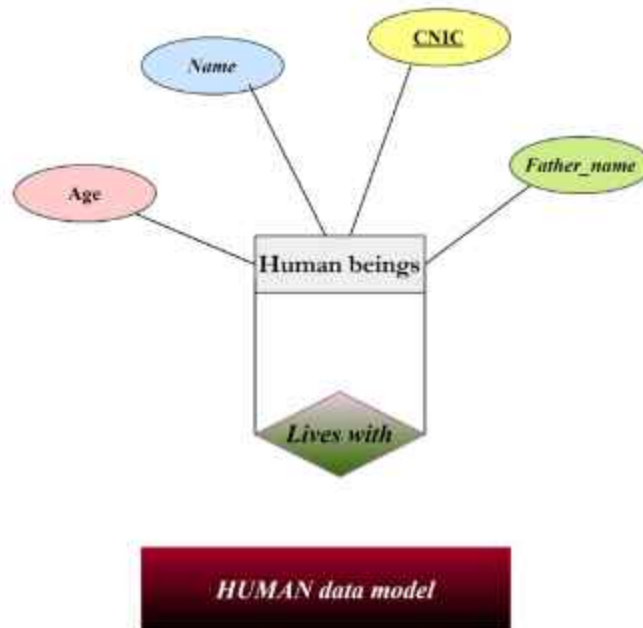
TEN EXAMPLE FOR UNARY RELATIONSHIP

➤ Employee model:

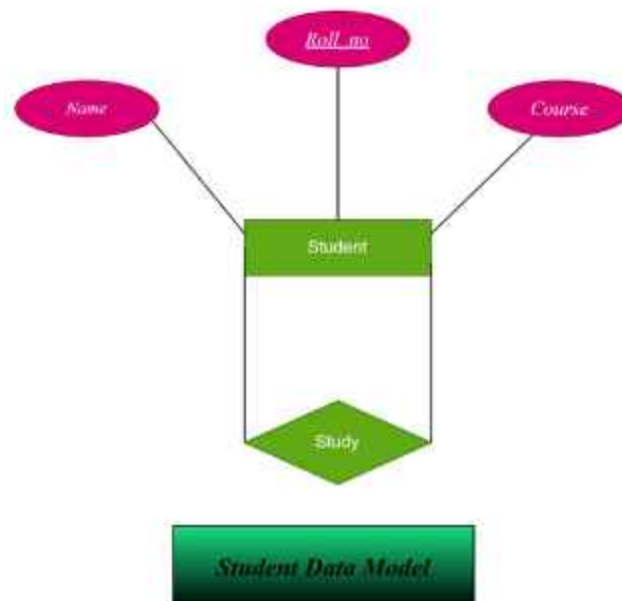


Employee data model

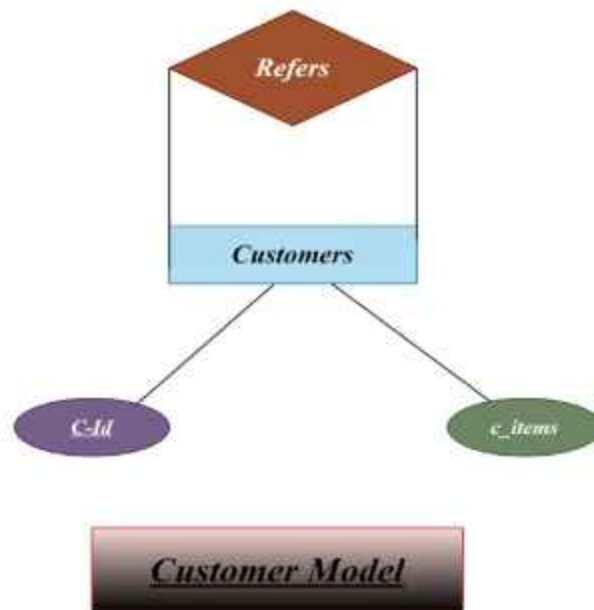
➤ **Human model:**



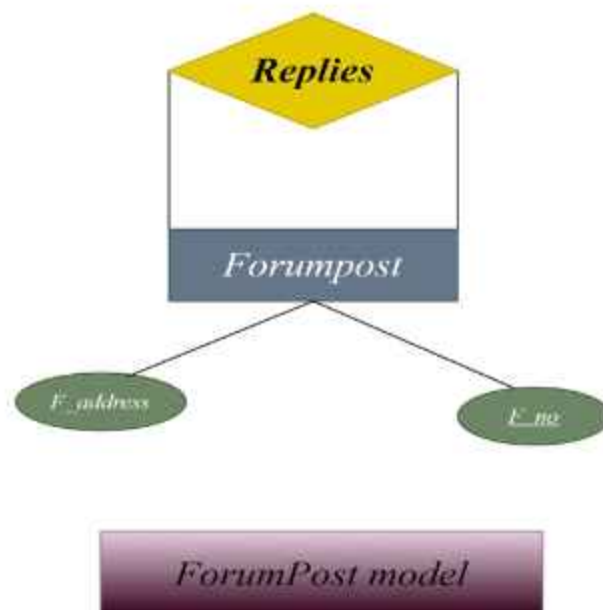
➤ **Student model:**



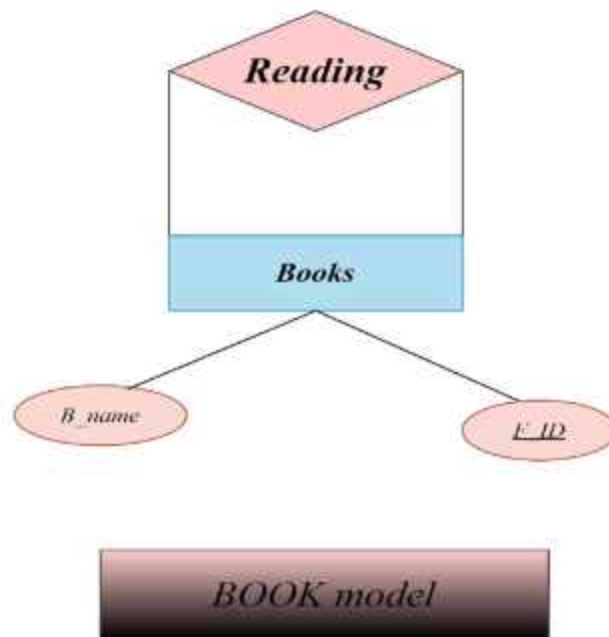
➤ **Customer model:**



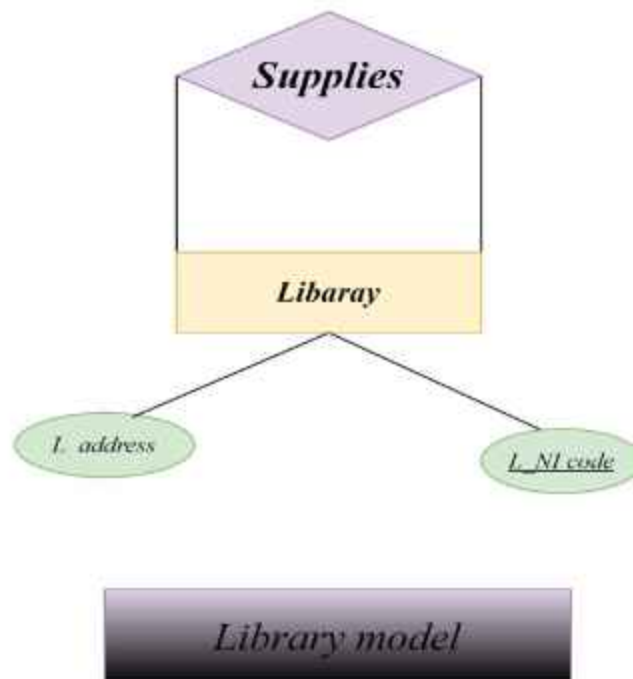
➤ **Forum post model:**



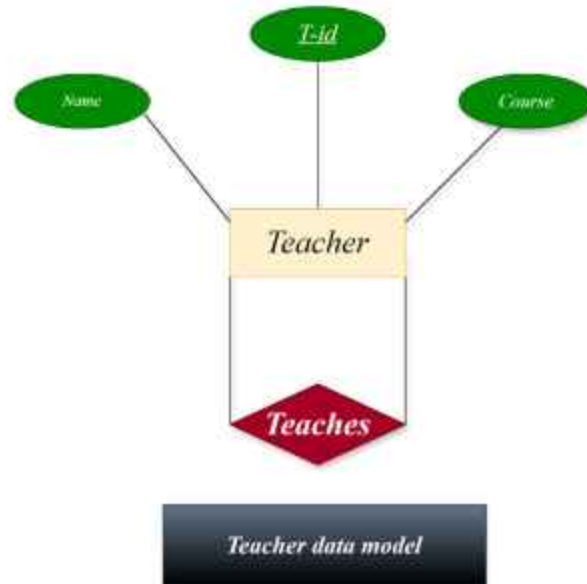
➤ **Book model:**



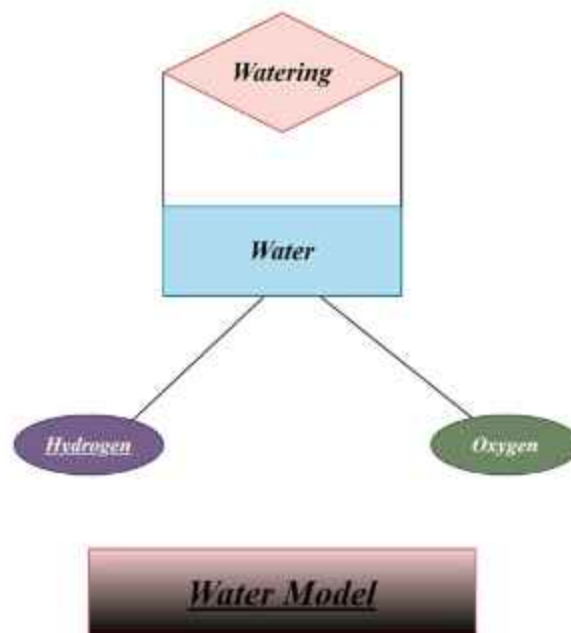
➤ **Library model:**



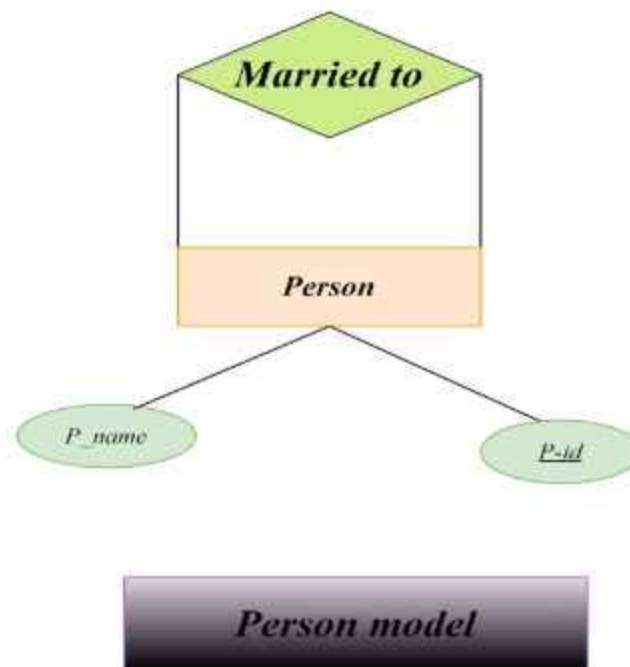
➤ Teacher data model:



➤ Water model:



➤ Person model:



➤ Binary Relationship

• DEFINITION:

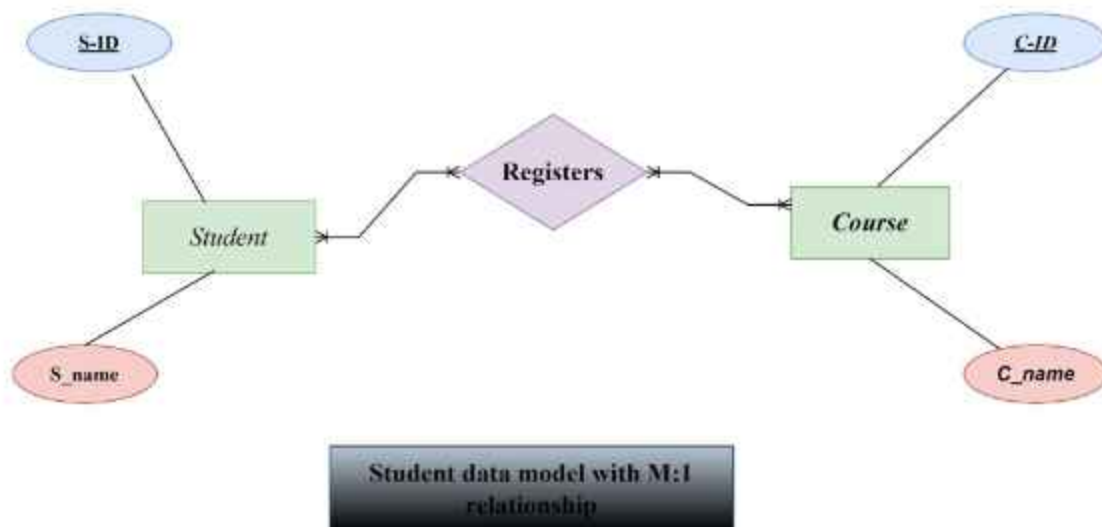
A binary relationship involves two different entities. This is the most common type of relationship in databases.

• Example:

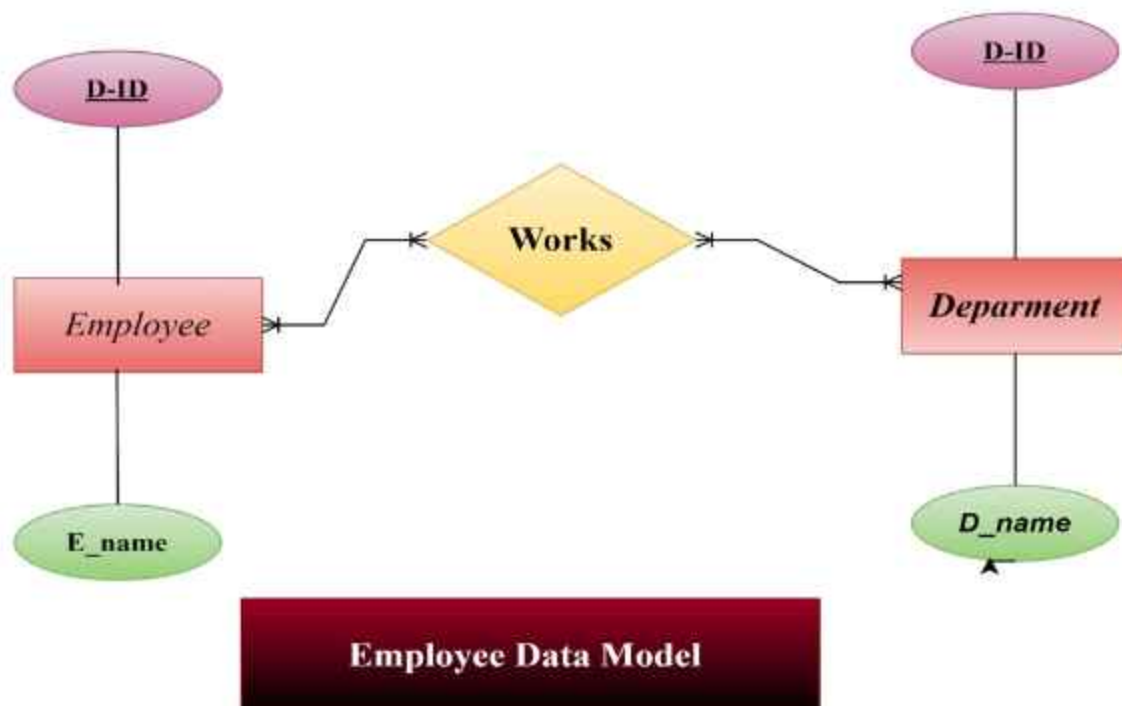
In a database with "Students" and "Courses," a binary relationship could exist where students enroll in courses. Here, the "Student" entity and the "Course" entity are related to each other.

Ten Examples for the Binary relationship:

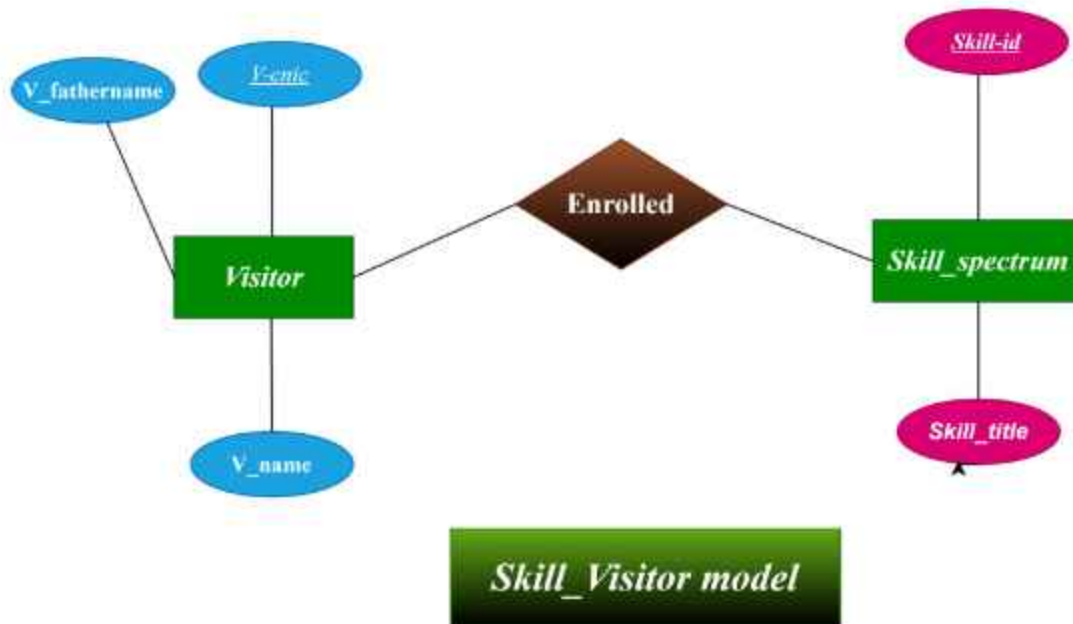
• Student Model:



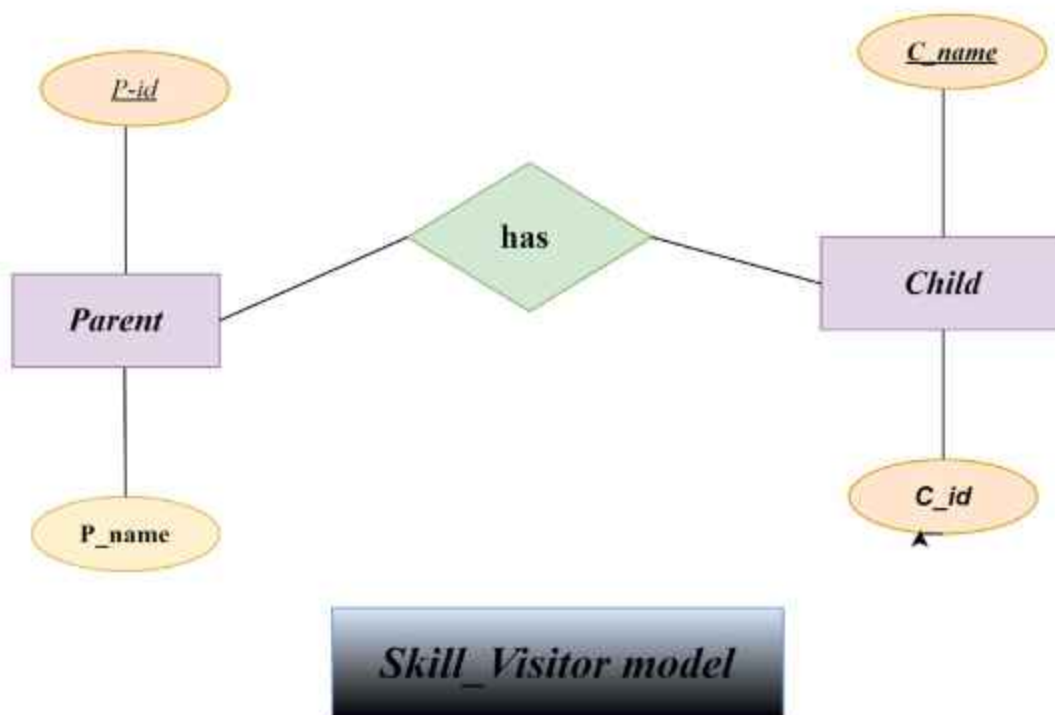
• Employee model:



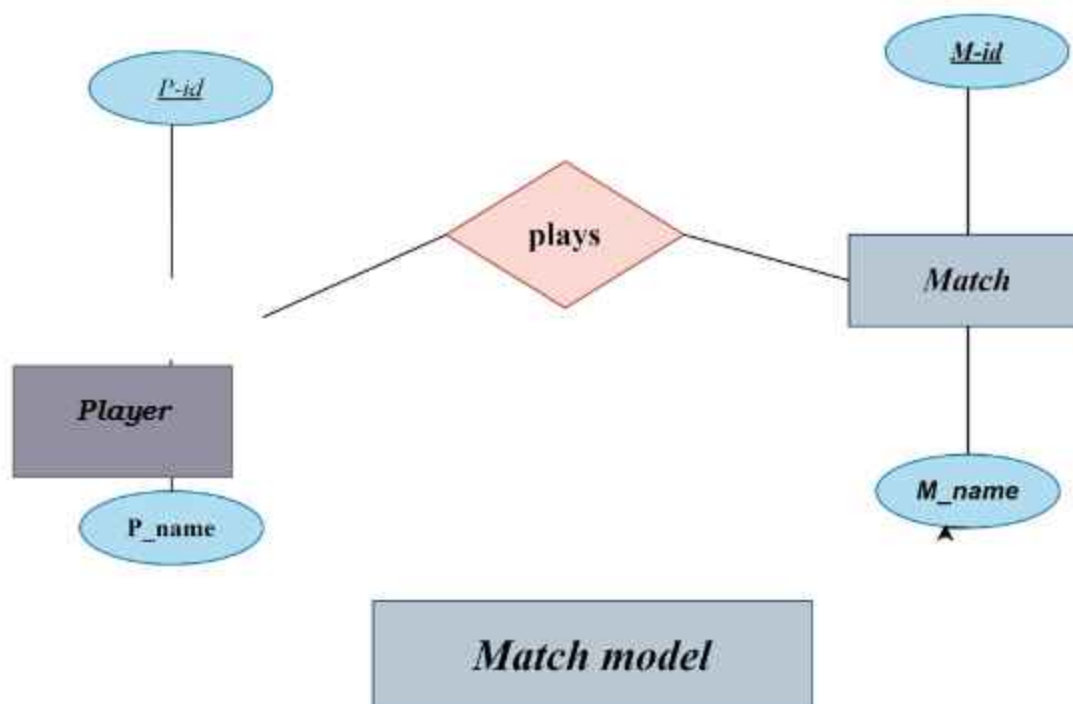
- **Skill model:**



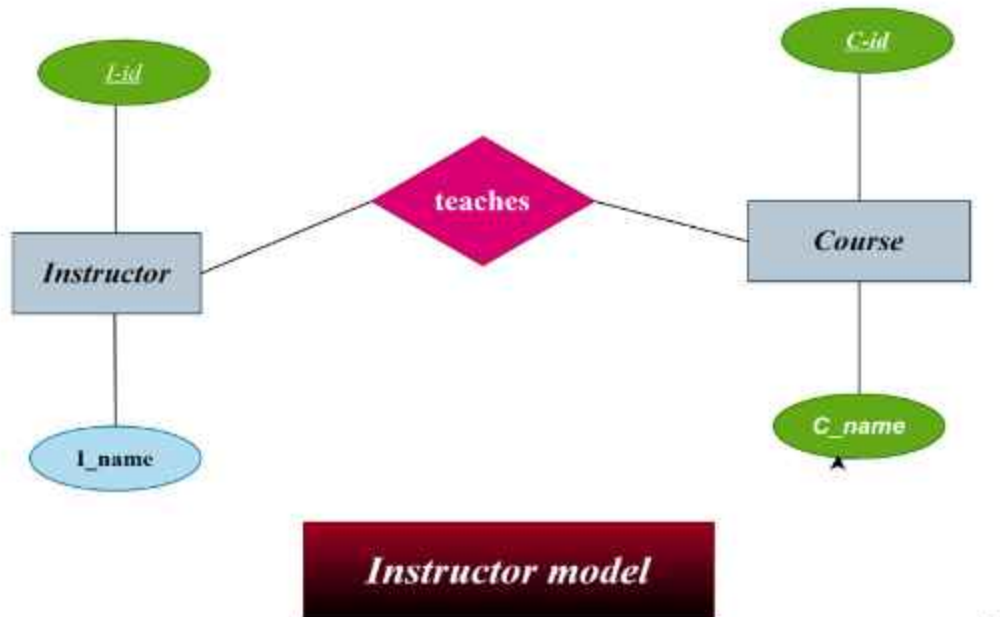
- **Parent Child Model:**



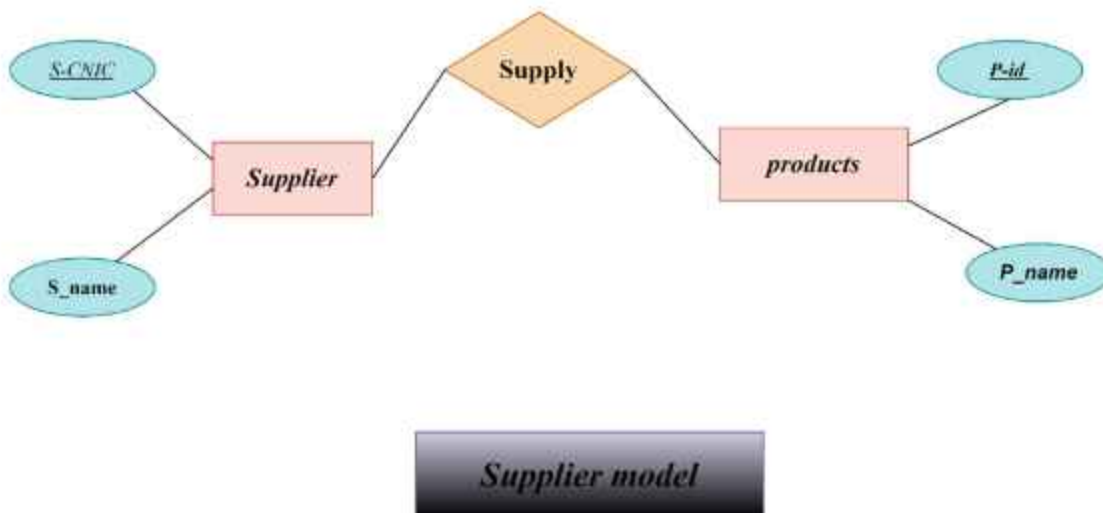
• **Player:**



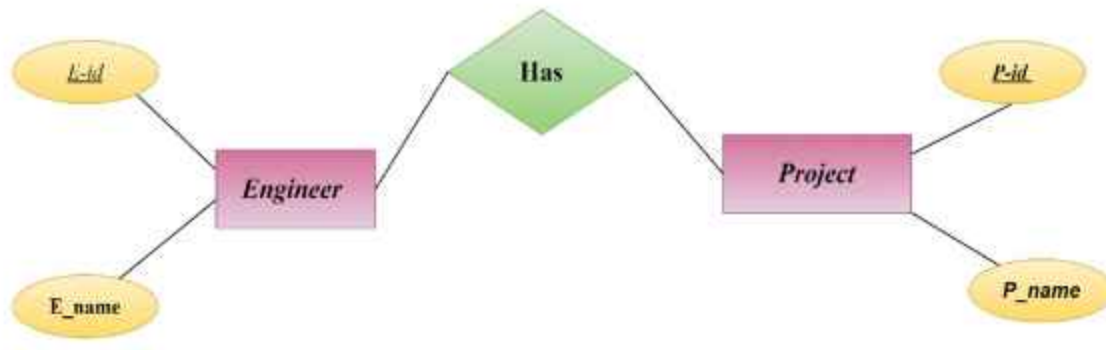
- Instructor model:**



- Supplier model:**

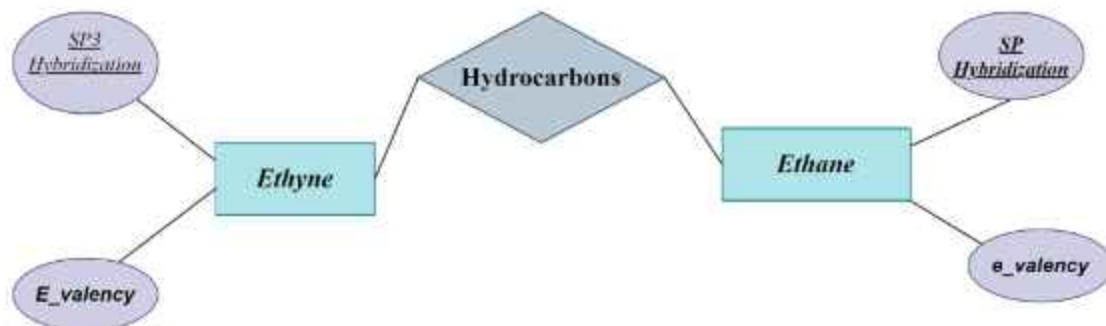


- Engineer model:



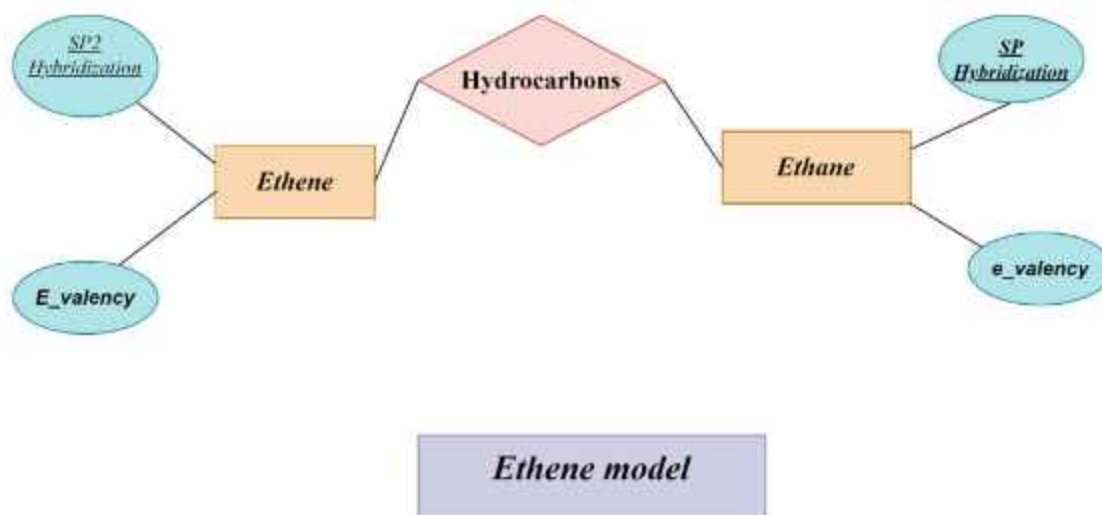
Engineer model

- Chemistry Model:



Chemistry model

- **Ethene model:**



TERNARY RELATIONSHIP:

Ternary Relationship:

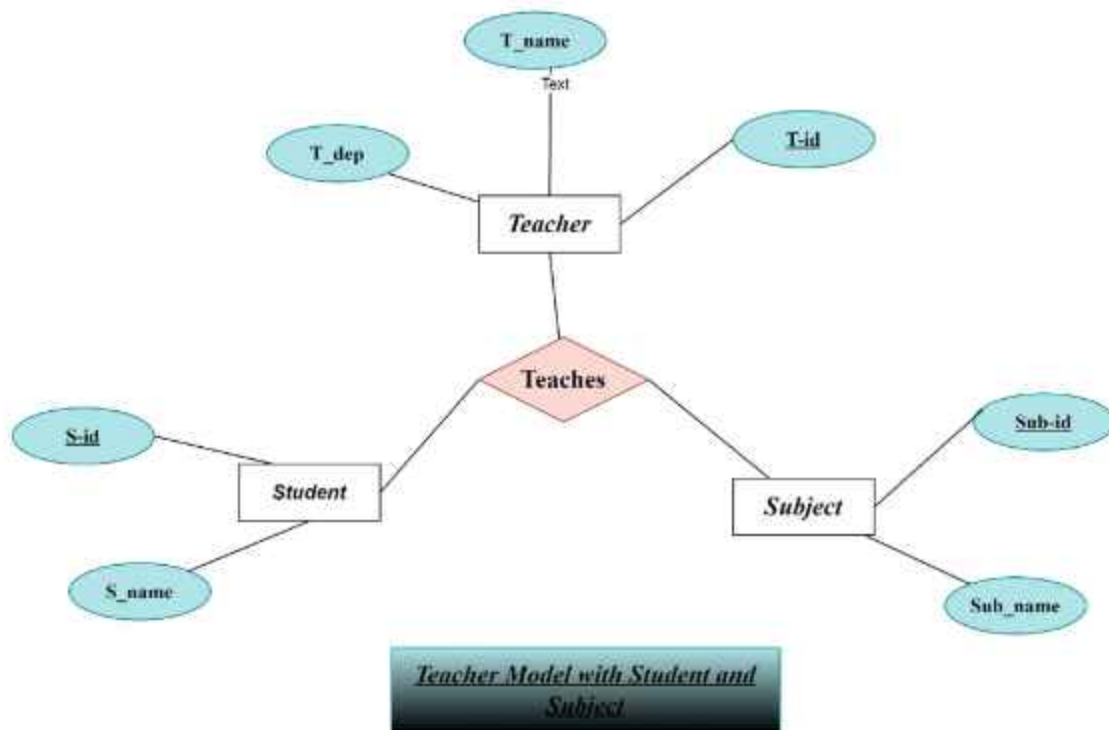
- **Definition:**

A ternary relationship involves three different entities. This type of relationship is less common than unary and binary relationships.

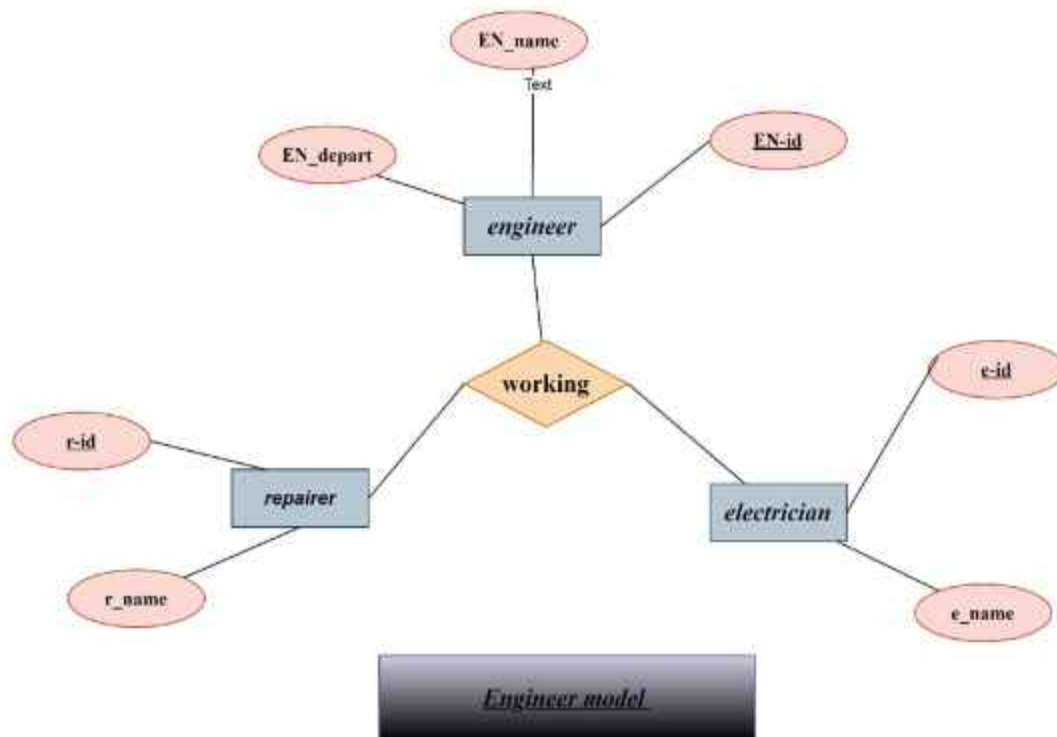
- **Example:**

Consider a scenario where a "Supplier," "Product," and "Warehouse" are involved. A ternary relationship could exist where a supplier supplies a product to a specific warehouse. In this case, all three entities are involved in the relationship.

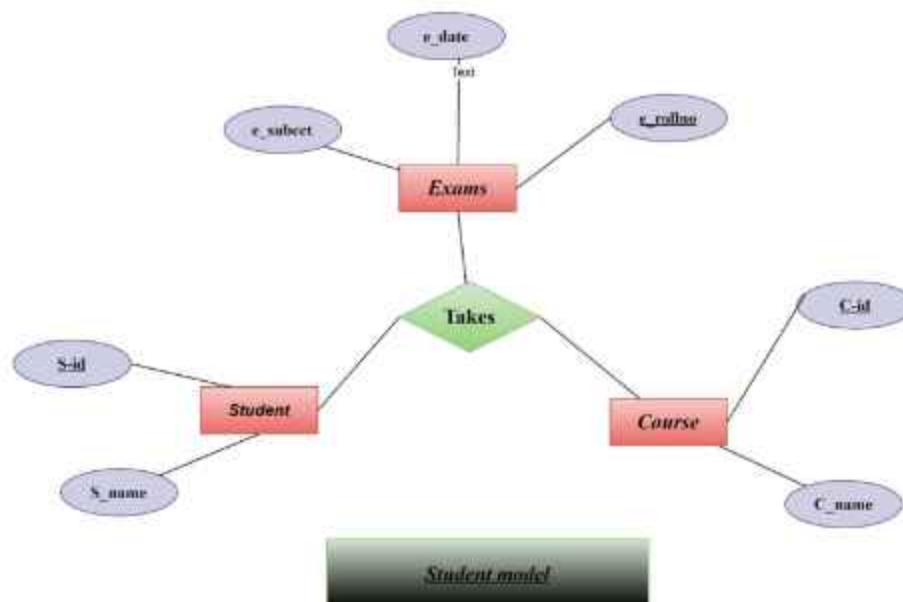
- **STUDENT TEACHER MODEL:**



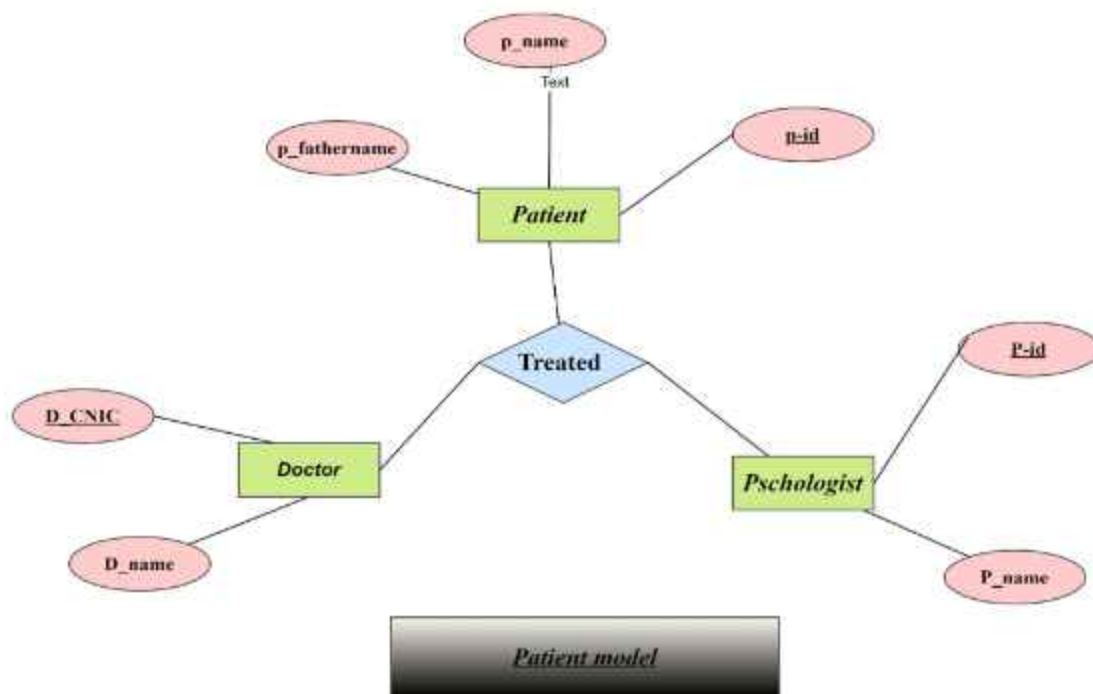
- Engineer model:



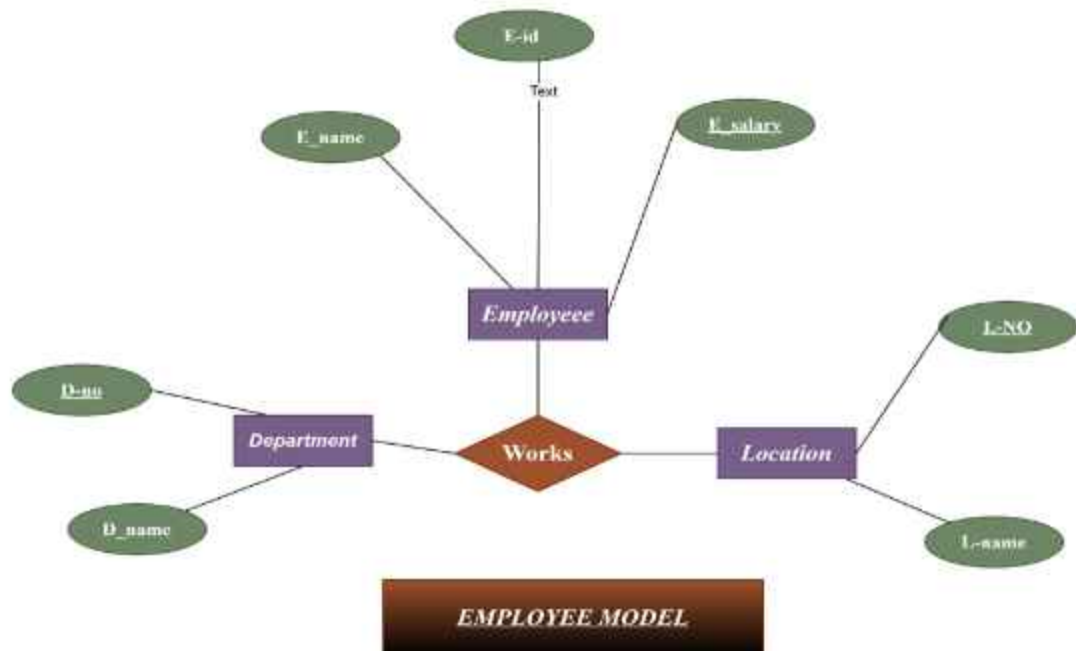
- Student model:



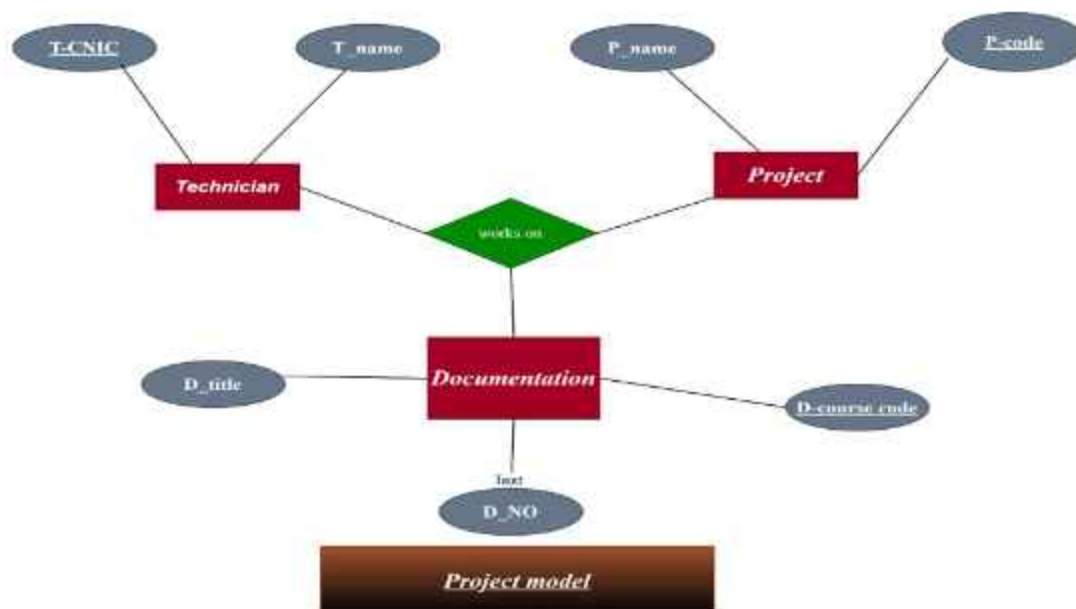
- Patient model:**



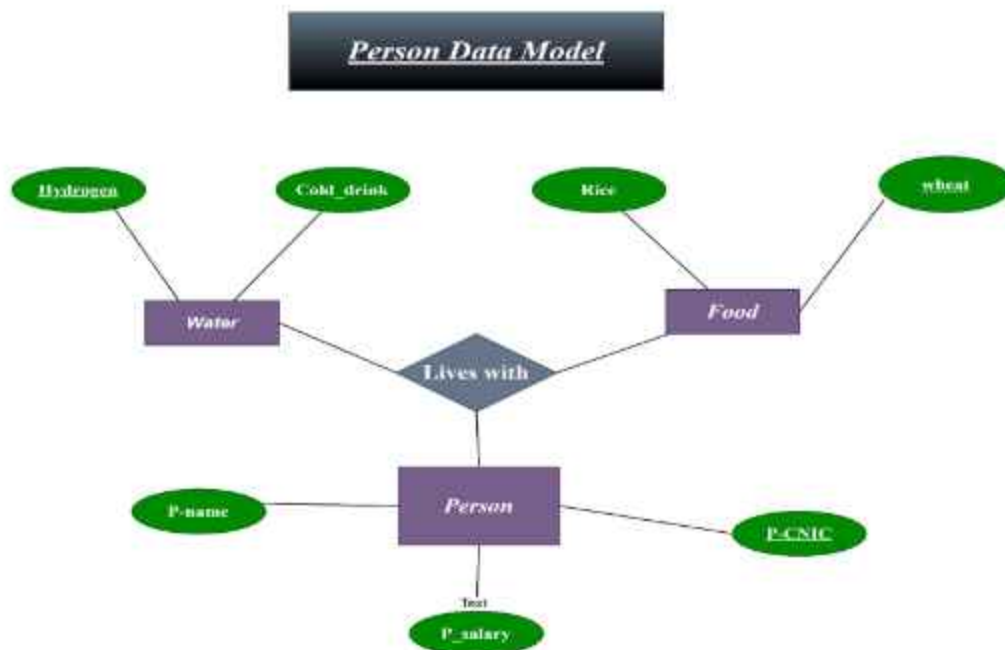
- **Employee Model:**



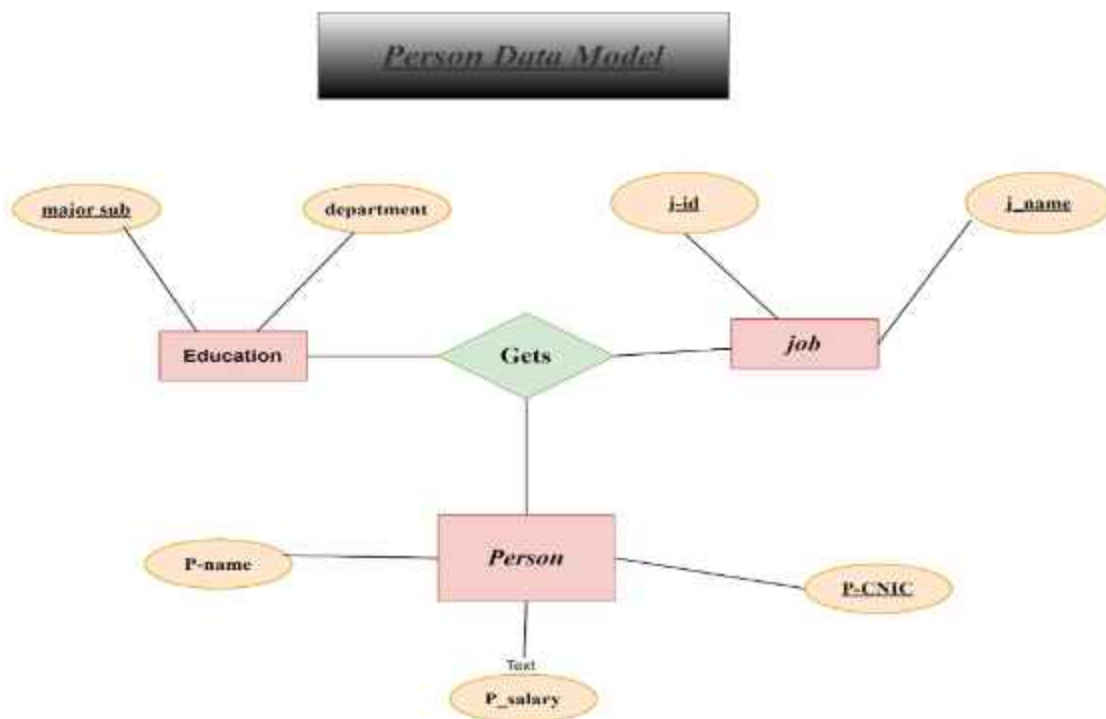
- **Project model:**



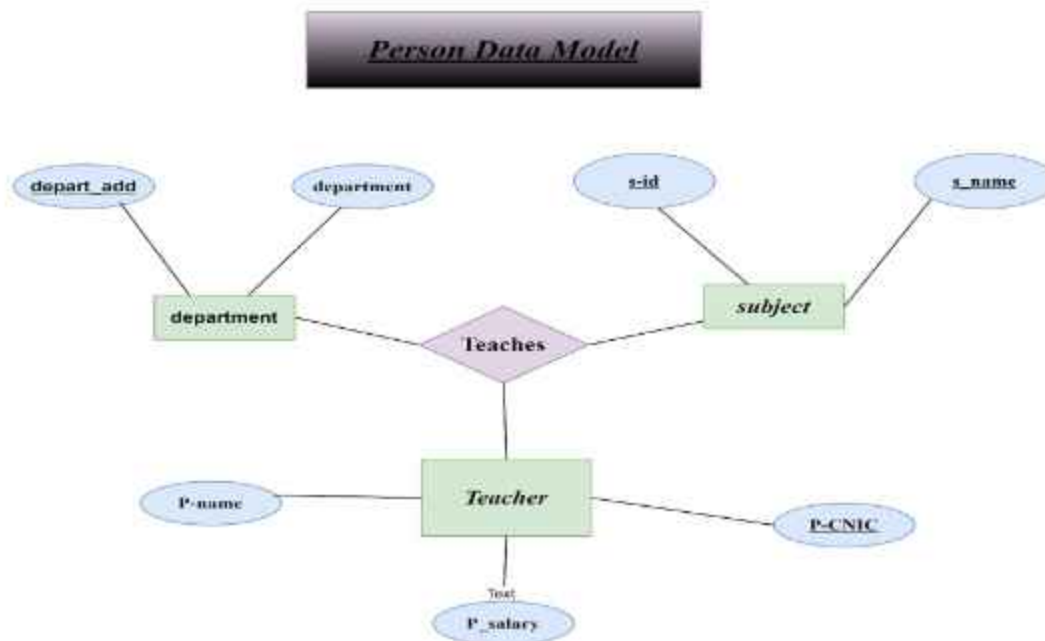
- **PERSON MODEL:**



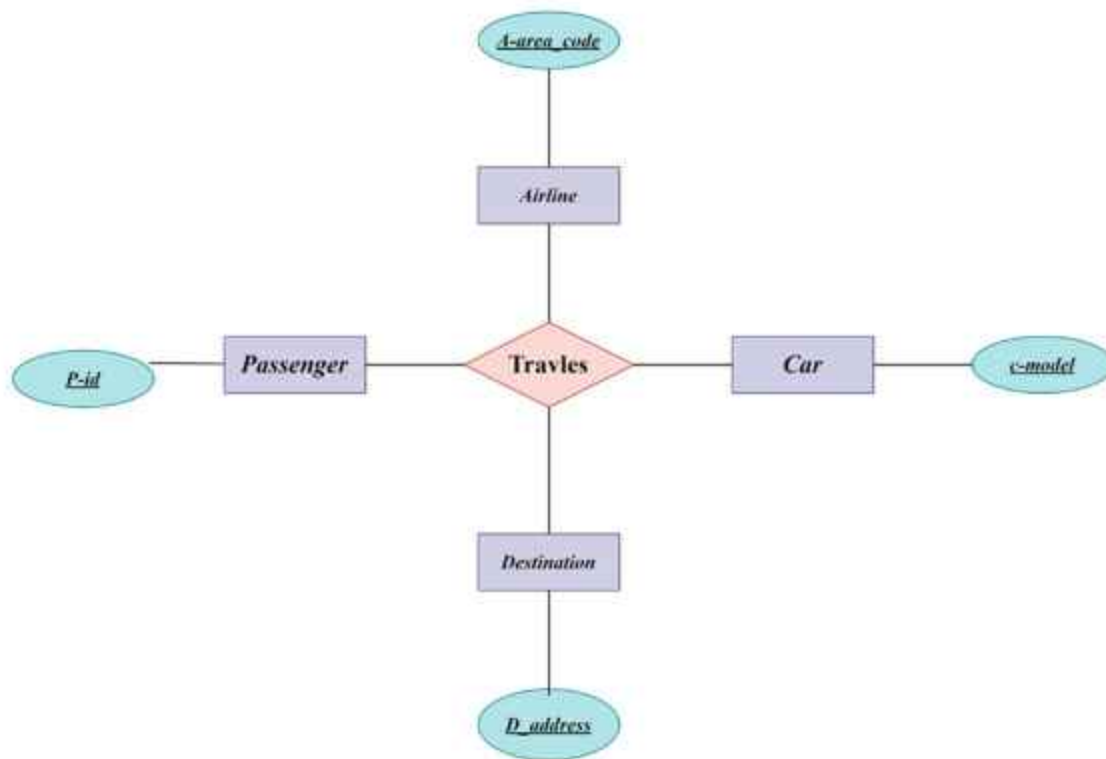
- Person with job and education:**



- TEACHER MODEL:



- PASSENGER:



A Passenger is travel via through car to airline for the travles to destination