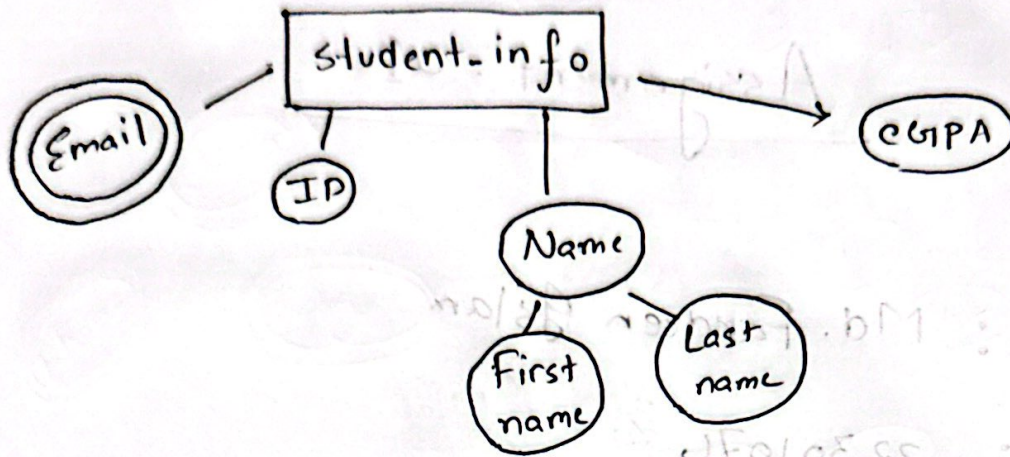# CSE- 370

Assignment = 01

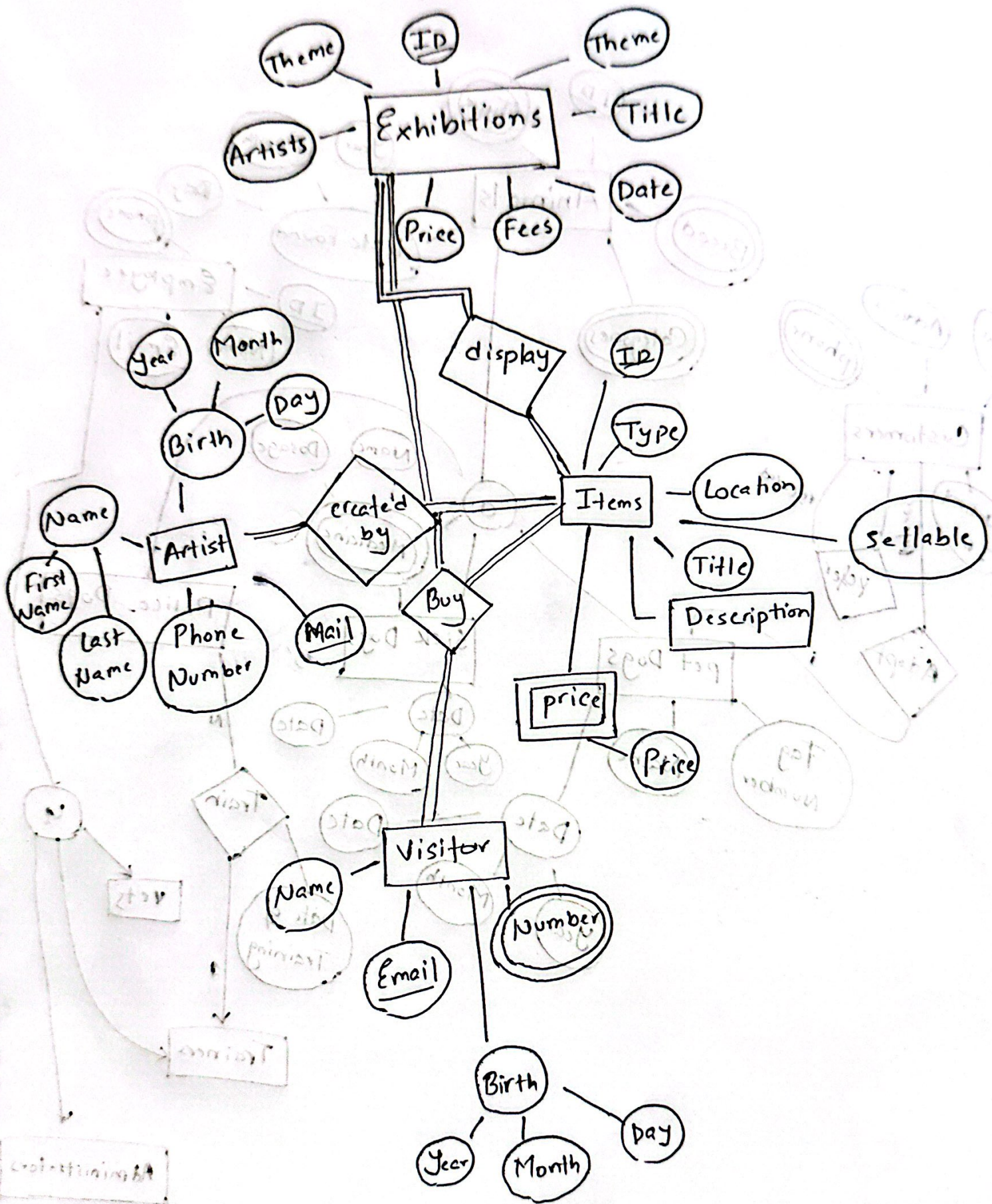Name: Md. Fardeen Islam

ID : 2230|076

Sec : 09

Ans No. 01

=> CGPA is a simple attribute.

=> Name is a composite attribute

=> ID is a unique primary key for each student.

=> Email is a multivalued attribute

An ER diagram containing the following entities and attributes:

Exhibitions (entity): Theme, ID, Theme, Title, Artists, Date, Price, Fees

display (relationship)

Items (entity): ID, Type, Location, Sellable, Title, Description, price, Price

Artist (entity): Birth (Year, Month, Day), Name, First Name, Last Name, Phone Number, Mail

created by (relationship)

Buy (relationship)

Visitor (entity): Name, Email, Number, Birth (Year, Month, Day)

Ans No. 03

An Entity-Relationship diagram for an animal shelter / dog management system. Key entities include:

- **Animals** (attributes: ID, Type, Breed, Categories, Date Found with Year, Month, Day)
- **Customers** (attributes: Name, Address, Phone, National ID) with Refer and Adopt relationships
- **Employee** (attributes: ID, Name, Email, Phone)
- **Pet Dogs** (attributes: Tag Number, Name, Date with Year, Month)
- **Sick Dogs** (attributes: Date with Year, Month; Medicine with Name, Dosage)
- **Police Dogs** with Train relationship (Date of Training) to **Trainers**
- **Vets**
- **Administrators**

The "d" symbol denotes a disjoint specialization of Animals into Pet Dogs, Sick Dogs, and Police Dogs. The "u" symbol denotes a union of Trainers, Vets, and Administrators relating to Employee.