Draw an E-R diagram for the following:
An exhibiting organization keeps information about paintings and sculptures. Each painting has a PAINTING-NAME, PAINTER-NAME and PAINTING-DESCRIPTION. Each sculpture has a SCULPTOR-NAME, SCULPTURE-NAME and SCULPTURE-DES.

Paintings and sculptures may appear in the same gallery. For the purpose of keeping track of the location of items, each painting and sculpture is given a unique identifier, ART-NO.

Each gallery has an identifier, GALLERY-NO, and a size. Each gallery can store any number of art objects. Each art object appears in one gallery only. The DATE-PLACED-IN-GALLERY is kept for both paintings and sculptures.

Note that PAINTING-NAME is unique within PAINTER-NAME, and SCULPTURE-NAME is unique within SCULPTOR-NAME.

Draw an E-R diagram that describes the following message transmission system: Messages are sent in an organization. Messages have a DATE-SENT and LOCATION-MAILED. Messages may be of bulletin or letter type. A bulletin is identified by a unique BULLETIN-NO, whereas a letter is identified by a SENDER-NAME and TIME-SENT.

Persons (identified by a unique PERSON-ID and with NAME and DATE-OF-BIRTH) in the organization belong to groups (identified by GROUP-NO and with a given GROUP-LOCATION and FUNCTION). Each person is assigned to a group on a given DATE-ASSIGNED, and a person can belong to more than one group. Similarly, a group is made up of more than one person.

Letters may be addressed to either groups or individual persons. Only individual persons can send bulletins or letters. Bulletins are addressed to groups only.