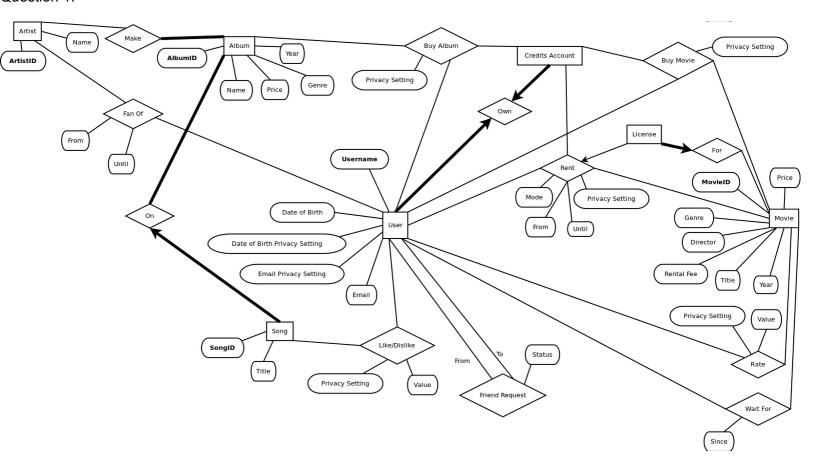
Question 1:



Question 2:

```
/* The Is-A group of Employee based Entities */
CREATE TABLE Employee (
      Eid
                   INTEGER,
      Name CHAR[50],
      Phnext INTEGER,
     PRIMARY KEY (Eid) )
CREATE TABLE Technical (
      Eid
                   INTEGER,
      Speciality
                  CHAR[50],
     PRIMARY KEY (Eid),
      FOREIGN KEY (Eid) REFERENCES Employee )
CREATE TABLE Admin (
                  INTEGER,
      Eid
      Grade INTEGER,
      PRIMARY KEY (Eid),
     FOREIGN KEY (Eid) REFERENCES Employee )
/* The other Entities */
```

```
CREATE TABLE Project (
     ld
            INTEGER,
     Name CHAR[50],
     BudgetFLOAT,
     PRIMARY KEY (Id),
     FOREIGN KEY (Id) REFERENCES WorksOn )
CREATE TABLE Supplier (
     Sld
            INTEGER,
     Name CHAR[50],
     PRIMARY KEY (SId))
CREATE TABLE Part (
     Pld
           INTEGER,
     Name CHAR[50],
     PRIMARY KEY (Pld),
     FOREIGN KEY (PId) REFERENCES Has )
CREATE TABLE PurchaseOrder (
     POID INTEGER,
     PRIMARY KEY (POId),
     FOREIGN KEY (POId) REFERENCES Approves )
CREATE TABLE Depts (
     Dld
           INTEGER,
     Name CHAR[50],
     Budget FLOAT,
     PRIMARY KEY (DId),
     FOREIGN KEY (DId) REFERENCES Manages )
/* The Relationships */
CREATE TABLE WorksOn (
     Eid
            INTEGER,
            INTEGER,
     ld
     PRIMARY KEY (Eid, Id),
     FOREIGN KEY (Eid) REFERENCES Technical,
     FOREIGN KEY (Id) REFERENCES Project )
CREATE TABLE Sponsors (
     Sld
            INTEGER,
     ld
            INTEGER,
     Funding
                  FLOAT,
     PRIMARY KEY (Sld, Id),
     FOREIGN KEY (SId) REFERENCES Supplier,
     FOREIGN KEY (Id) REFERENCES Project )
CREATE TABLE SBy (
     Pld
            INTEGER,
     Sld
            INTEGER,
     Price INTEGER,
```

```
PRIMARY KEY (Pld, Sld),
     FOREIGN KEY (Pld) REFERENCES Part,
     FOREIGN KEY (SId) REFERENCES Supplier )
CREATE TABLE Has (
     POID INTEGER,
     Pld
           INTEGER,
     PRIMARY KEY (Pld),
     FOREIGN KEY (POId) REFERENCES PurchaseOrder,
     FOREIGN KEY (Pld) REFERENCES Part )
CREATE TABLE Places (
     Eid
          INTEGER,
     POID INTEGER,
     PRIMARY KEY (POId),
     FOREIGN KEY (Eid) REFERENCES Technical,
     FOREIGN KEY (POId) REFERENCES PurchaseOrder )
CREATE TABLE Approves (
     Eid
           INTEGER,
     POID INTEGER,
     PRIMARY KEY (POId),
     FOREIGN KEY (Eid) REFERENCES Admin,
     FOREIGN KEY (POId) REFERENCES PurchaseOrder)
CREATE TABLE IsAt (
     Eid
           INTEGER,
     Dld
           INTEGER,
     PRIMARY KEY (Eid),
     FOREIGN KEY (Eid) REFERENCES Admin,
     FOREIGN KEY (DId) REFERENCES Depts )
CREATE TABLE Manages (
     Eid
           INTEGER,
     Dld
           INTEGER,
     PRIMARY KEY (DId),
     FOREIGN KEY (Eid) REFERENCES Admin,
     FOREIGN KEY (DId) REFERENCES Depts )
```