Ahmet Faruk Ulutaş - 21803717 - CS353-2

Q1-

Q2-

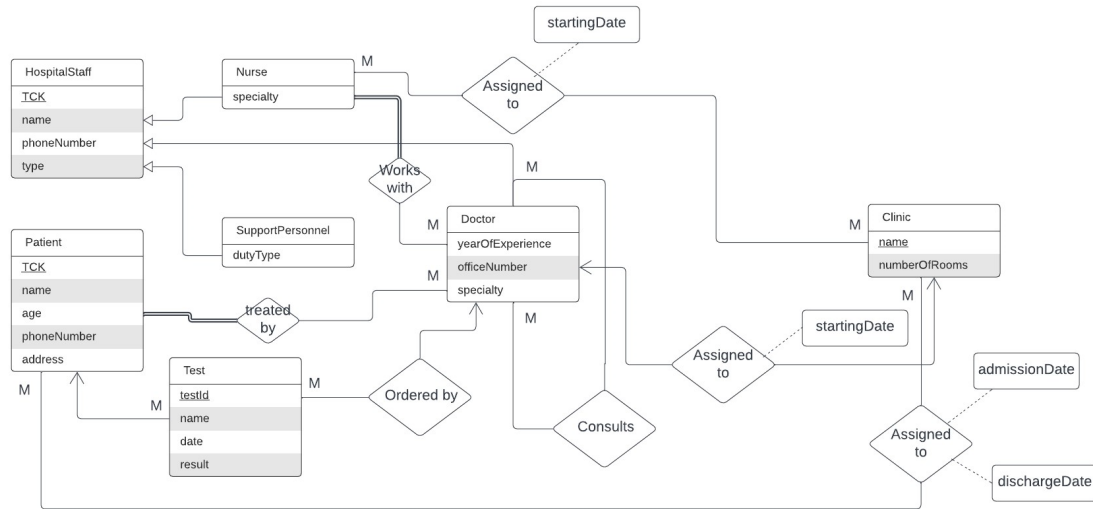## Entities

1. **HospitalStaff(TCK, name, phoneNumber, type)**
   - TCK: Primary Key
2. **Doctor(TCK, officeNumber, specialty, yearOfExperience)**
   - TCK: Primary Key, Foreign Key to HospitalStaff
3. **Nurse(TCK, specialty)**
   - TCK: Primary Key, Foreign Key to HospitalStaff
4. **SupportPersonnel(TCK, dutyType)**
   - TCK: Primary Key, Foreign Key to HospitalStaff
5. **Patient(TCK, name, age, phoneNumber, address)**
   - TCK: Primary Key
6. **Test(testid, name, date, result)**
   - Test_ID: Primary Key
7. **Clinic(name, numberOfRooms)**
   - Name: Primary Key

Relationships

1. **TreatedBy(Patient_TCK, Doctor_TCK)**
   - Patient_TCK: Foreign Key to Patient
   - Doctor_TCK: Foreign Key to Doctor
2. **OrderedBy(Test_ID, Doctor_TCK)**
   - Test_ID: Foreign Key to Test
   - Doctor_TCK: Foreign Key to Doctor

3. **WorksWith(Nurse_TCK, Doctor_TCK)**
   - Nurse_TCK: Foreign Key to Nurse
   - Doctor_TCK: Foreign Key to Doctor
4. **Consults(Doctor1_TCK, Doctor2_TCK)**
   - Doctor1_TCK: Foreign Key to Doctor
   - Doctor2_TCK: Foreign Key to Doctor
5. **DoctorAssignedTo(Doctor_TCK, Clinic_Name, Starting_Date)**
   - Doctor_TCK: Foreign Key to Doctor
   - Clinic_Name: Foreign Key to Clinic
6. **NurseAssignedTo(Nurse_TCK, Clinic_Name, Starting_Date)**
   - Nurse_TCK: Foreign Key to Nurse
   - Clinic_Name: Foreign Key to Clinic
7. **PatientAssignedTo(Patient_TCK, Clinic_Name, Admission_Date, Discharge_Date)**
   - Patient_TCK: Foreign Key to Patient
   - Clinic_Name: Foreign Key to Clinic