Part 2 Relation Schema

Entities:

1. Car ( VIN, Make, Model, year, color)

2. Customer ( SSN, name(first, last, middle initial) )

3. Policy ( Policy ID, Start Date, Expiration Date, Deductible )

4. Claim ( date that claim was made, amount of damage )

Relationships:

1. Insure < Customer, Car > 1:N, TOTAL/TOTAL

2. Cover < Policy, Car > 1:N, PARTIAL/TOTAL

3. Owns < Customer, Policy > 1:N, TOTAL/TOTAL

4. File < Customer, Car, Claim > 1:1:N, PARTIAL/PARTIAL/TOTAL

Resulting Schemas:

CAR (VIN, Make, Model, year, color, ssn, Policy ID)

FK (ssn) 🡪 CUSTOMER (ssn)

FK (Policy ID) 🡪 POLICY (Policy ID)

CUSTOMER ( SSN, name(first, last, middle initial) )

POLICY (Policy ID, Start Date, Expiration Date, Deductible, ssn )

FK (ssn) 🡪 CUSTOMER (ssn)

ClAIM (date that claim was made, amount of damage, ssn, VIN)

FK (ssn) 🡪 CUSTOMER (ssn)

FK (VIN) 🡪 CAR (VIN)