**Summary**

This assignment represents a DB being built that shows the relationships between companies and the various consultants they hire for work. It also shows the relationships between the consultants and the specialty skills they possess. Lastly, the contracts between a company and consultants are represented, and the corresponding relationships between the two.

**Business Rules**

**ERD 1**

1. Each company can be consulted by zero to many consultants AND

Each consultant can consult one and only one company (at a time).

1. and 3. Each consultant may possess zero to many specialties AND each specialty can be possessed by one or more Consultants.

**ERD 2**

1. Each company can be consulted by zero to many consultants AND

Each consultant can consult one and only one company (at a time).

1. and 3. Each consultant may possess zero to many specialties AND each specialty can be possessed by one or more Consultants.

**ERD 3**

1. Each company can be consulted by zero to many consultants AND

Each consultant can consult one and only one company (at a time).

1. and 3. Each consultant may possess zero to many specialties AND each specialty can be possessed by one or more Consultants.
2. Each company can is related to zero to many contracts AND each contract is related to one and only Company.

**ERD 4**

1. Each company can be consulted by zero to many consultants AND

Each consultant can consult one and only one company (at a time).

1. and 3. Each consultant may possess zero to many specialties AND each specialty can be possessed by one or more Consultants.
2. Each company can is related to zero to many contracts AND each contract is related to one and only Company.
3. Each consultant is involved with zero to many engagements AND each engagement is “owned” by one and only one Consultant.
4. Each contract is related to one and only one engagement AND each engagement is related to one and only one contract.