**BUSINESS RULES 1**

**The below business rules are derived from the course textbook, Database Principles Fundamentals of Design, Implementation, and Management.1**

***1. “Each client is located in one region.1”***

**ONE** *Client* is located in **ONE** *Region*

CLIENT (Region\_ID = Foreign Key)

REGION (Client\_ID= Foreign Key)

***2. “A region can contain many clients.1”***

**ONE** *Region* contains **MANY** *Clients*

CLIENT (Region\_ID = Foreign Key)

***3. “Each consultant can work on many contracts. 1”***

**ONE** *Consultant* work on **MANY** *Contracts*

CONTRACT (Consultant\_ID = Foreign Key)

***4. “Each contract might require the services of many consultants. 1”***

**4(a) MANY** *Contracts* require **ONE** *Service*

CONTRACT (Service\_ID = Foreign Key)

**4(b) ONE** Service is performed by **MANY** *Consultants*

CONSULTANT (Service\_ID = Foreign Key)

***5. “A client can sign more than one contract, but each contract is signed by one client. 1”***

**6(a) ONE** *Client* can sign **MANY** *Contracts*

CONTRACT (Client\_Id = Foreign Key)

**6(b) ONE** *Contract* is signed by **ONE** *Client*

CONTRACT (Client\_Id = Foreign Key)

CLIENT (Contract\_Id = Foreign Key)

***6. “Each contract might cover multiple consulting classifications. 1”***

**ONE** *Contract* covers **MANY** *Services*

SERVICE (Contract\_Id = Foreign Key)

***7. “Each consultant is located in one region. 1”***

**ONE** *Consultant* is located in **ONE** *Region*

CONSULTANT (Region\_ID = Foreign Key)

REGION (Consultant\_ID= Foreign Key)

***8. “A region can contain many consultants. 1”***

**ONE** *Region* contains **MANY** *Consultants*

CONSULTANT (Region\_ID = Foreign Key)

***9. “Each consultant has one or more areas of expertise (class). 1”***

**(class) = Services**

**ONE** *Consultant* specializes in **MANY** *Services*

SERVICE (Consultant\_Id = Foreign Key)

***10. “Each area of expertise (class) can have many consultants. 1”***

**ONE** *Service* can have **MANY** *Consultants*

CONSULTANT (Service\_ID = Foreign Key)