**Assignment 2**

**Cailyn Cochran**

**CIS 310-01**

**Due Date: 9/6/2017**

**Business Rules**

**Entities:**

AUTHOR

BOOK

CONTRACT

PUBLISHER

**Relationships:**

PUBLISHER and CONTRACT

PUBLISHER can submit one or more CONTRACTS, but each CONTRACT must be submitted by 1 and only 1 PUBLISHER.

PUBLISHER and BOOK

A PUBLISHER can publish one or more BOOKS, but a BOOK can be published by one and only one PUBLISHER

AUTHOR and BOOK

An AUTHOR can write one or many BOOKS, but a BOOK must be written by one and only one AUTHOR.

AUTHOR and CONTRACT

An Author can sign one or more CONTRACTS, but each CONTRACT can be signed by one and only one AUTHOR.

**Data Tables:**

|  |  |  |
| --- | --- | --- |
| **PUBLISHER** | | |
| **PUBLISHER\_ID** | **PUBLISHER\_NAME** | **PUBLISHER\_LOCATION** |
| 1 | Good Book | Chicago |
| 2 | Better Book | Illinois |
| 3 | Best Book | Louisville |

|  |  |  |
| --- | --- | --- |
| **BOOK** | | |
| **BOOK\_ID** | **PUBLISHER\_ID** | **AUTHOR\_ID** |
| 100 | 1 | 1111 |
| 101 | 2 | 1111 |
| 102 | 3 | 1113 |
| 103 | 3 | 1113 |

|  |  |  |
| --- | --- | --- |
| **AUTHOR** | | |
| **AUTHOR\_ID** | **AUTHOR\_FNAME** | **AUTHOR\_LNAME** |
| 1111 | Sam | Swope |
| 1112 | Tony | Malito |
| 1113 | Bill | Collins |

|  |  |  |
| --- | --- | --- |
| **CONTRACT** | | |
| **CONTRACT\_ID** | **PUBLISHER\_ID** | **AUTHOR\_ID** |
| 501 | 1 | 1111 |
| 502 | 2 | 1112 |
| 503 | 3 | 1113 |

**Crows Foot ERD:**

