**Topic:**   
Library Database

**Overview:**   
This database stores books and authors. User can browse and manage information of book and author.

**Candidate Tables:**   
Book, Author, Book\_Author, Category, Publisher

**Business rule**

001 – Relationship between author and book

Date Discovered: May 22, 2019

Description: Each book can have one or more authors and an author can write one or more books.

Category: Structural Fact

Type: Static

002 – Search book

Date Discovered: May 22, 2019

Description: A user can search books by keywords such as title, author, Category, released date, publisher. If the user selects more than one search option, the result that satisfied all criteria.

Category: Structural Fact

Type: Dynamic

003 – Book Category

Date Discovered: May 22, 2019

Description: Each book belongs to a category (e.g. Fiction, History, Novel). Several books can be in one category.

Category: Structural Fact

Type: Static

004 – Publisher

Date Discovered: May 22, 2019

Description: Publisher can publish many books and each book is published by one publisher.

Category: Structural Fact

Type: Static