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Assumptions that were made during the design process, proposed domains for selected attributes, and discussion on reasons for any design decisions made.

Assumptions:
1. Antiquarians only collect published books.
2. Country entity will contain countries that no longer exists.
3. The Antiquarian can only collect one copy of a book (no duplicates).

ATTRIBUTE	Datatype, domain	Reasons/Assumptions
COUNTRY		
country_name	Character, VARCHAR(60)	**Domain Reasons:** Country names are composed of characters **Assumptions:** Maximum length of country name is 60 characters
GDP	Numeric, integer	**Domain Reasons:** Gross Domestic Product is represented as a number **Assumptions:** Maximum size of a country's GDP can be represented by an INTEGER
population	integer,	**Domain Reasons:** Population is represented as a number **Assumptions:** Population can be represented by an INTEGER
capital	Character, VARCHAR(50)	**Domain Reasons:** Capital is composed of characters **Assumptions:** Maximum size of any city name will be represented by a maximum of 50, if any longer the name will be abbreviated

AUTHOR	Datatype, Domain	Reasons/Assumptions
<u>author_id</u>	integer(8)	**Domain Reasons:** Generic Id that will automatically be populated **Assumptions:** Auto generated
first_name	Character, VARCHAR(20)	**Domain Reasons:** First_name is composed of characters **Assumptions:** Length of first name does not exceed 20 characters
last_name	Character, VARCHAR(20)	**Domain Reasons:** Last_name is composed of characters **Assumptions:** Length of last name does not exceed 20 characters

PUBLISHED_BY	Datatype, Domain	Reasons/Assumptions
<u>publisher_id</u>	integer(8)	**Domain Reasons:** Generic Id that will automatically be populated **Assumptions:** Auto generated
<u>ISBN</u>	integer(13)	**Domain Reasons:** ISBN's are represented by a numeric value **Assumptions:** Max and min length of 13 digits

PUBLISHER	Datatype, Domain	Reasons/Assumptions

publisher_id	integer(8)H	**Domain Reasons:** Generic Id that will automatically be populated **Assumptions:** Auto generated
publisher_name	Character, VARCHAR(40)	**Domain Reasons:** Names are represented by characters **Assumptions:** Maximum length of name will be 40 characters, uniqueness will be held by the publisher id.

BORN_IN	Datatype, Domain	Reasons/Assumptions
author_id	integer(8)	**Domain Reasons:** Generic Id that will automatically be populated **Assumptions:** Auto generated
country_name	Character, VARCHAR(60)	**Domain Reasons:** Country names are composed of characters **Assumptions:** Maximum length of country name is 60 characters

BOOK	Datatype, Domain	Reasons/Assumptions
ISBN	integer(13)	**Domain Reasons:** A book will have a 13 digit unique ISBN **Assumptions:** Must be 13 digits in length
title	Character, VARCHAR(60)	**Domain Reasons:** A book title composed of a sequence of characters **Assumptions:** Book title does not exceed 60 characters
synopsis	Character, CHAR(500)	**Domain Reasons:** Short summary of the book **Assumptions:**

		Must not exceed 500 characters
is_translation	Boolean,	**Domain Reasons:** A book will either be translated or not **Assumptions:** not null
original_language	Character, VARCHAR(40)	**Domain Reasons:** Languages are represented by characters **Assumptions:** Languages length is maximum of 40 characters, if longer then will be abbreviated
binding_type	Character, VARCHAR(20)	**Domain Reasons:** Description of the binding **Assumptions:** does not exceed 20 characters
book_grade	Character, VARCHAR(20)	**Domain Reasons:** Book grade is the reading level **Assumptions:** does not exceed 20 characters
origin_pubilication_country	Character, VARCHAR(60)	**Domain Reasons:** Country name is composed of characters **Assumptions:** Maximum size of any city name will be represented by a maximum of 60, if any longer the name will be abbreviated
publisher_year	integer (4)	**Domain Reasons:** Our database may not live past 9999 **Assumptions:** Does not exceed 4 digits
edition	Character, VARCHAR(20)	**Domain Reasons:** Specifies the version of the book **Assumptions:** Must not exceed 20 characters

HEADQUARTERED_IN	Datatype, Domain	Reasons/Assumptions
publisher_id	integer(8)	**Domain Reasons:** Generic Id that will automatically be populated **Assumptions:** Auto generated
country_name	Character, VARCHAR(60)	**Domain Reasons:** Country names are composed of characters **Assumptions:** Maximum length of country name is 60 characters

WRITTEN_BY	Datatype, Domain	Reasons/Assumptions
author_id	integer(8)	**Domain Reasons:** Generic Id that will automatically be populated **Assumptions:** Auto generated
ISBN	integer(13)	**Domain Reasons:** A book will have a 13 digit unique ISBN **Assumptions:** Must be 13 digits in length

PUBLISHED_IN		Reasons/Assumptions
publisher_id	integer(8)	**Domain Reasons:** Generic id generated for each publisher **Assumptions:** Does not exceed 8 digits
ISBN	integer(13)	**Domain Reasons:** A book will have a 13 digit unique ISBN **Assumptions:** Must be 13 digits in length