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Database Proposal
A database of Artists

I intend to design and create a database that stores artists and their attributes. The database could be used to search for artists by a variety of associations. The database would be applicable to an educational, business, or social environment. The basis in reality will make it a good foundation to build upon in the future.

Entities in the database will include:

• Artists - their attributes will include: <u>ID</u>, first name, last name, current residence city, current residence country, country of origin, year of birth, year of death.

• Country - attributes will include: <u>ID</u>, name.

• City - attributes include: <u>ID</u>, name, country ID.

• Mediums - attributes include: <u>ID</u> , name.

• Artists by Medium - attributes include: medium ID, artist ID.

• Artists by City - attributes include: artist ID, city ID, country ID

Relationships between entities include:

• Artists are originally from a country - An artist may only have one country of origin.

• Artists currently reside in a place - An artist may reside in several places at once.

• A city is of a country - A city must be of only one country

• Artists have at least one medium - An artist may practice more than one medium

• Mediums have many artists - A medium may be practiced by many artists.

• Artists by medium entity - Each medium id will reference one medium entity

• Artists by place entity - Country and city id's will reference country and city entities by id.