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Intro To Databases

Project Proposal

Archaeology Database

I will be making a database that could be used for storing inventory of an archaeological curation facility. Each artifact must be separated by site, FS number, artifact number, artifact material type, and a description.

The entities in the database will be:

- Site number- This will be the unique number specified for that site
- FS Number- A unique number within the site that divides the site into smaller areas. It is short for field specimen number.
- Artifact number-Each artifact will have a unique number.
- Artifact Material Type- will be the material that the artifact is made of, like wood, plastic, glass, metal, etc.
- Description- will be a short string that describes the artifact

The relationships will be:

- Artifact numbers are from FS numbers, artifacts can only be from one FS number, but an FS number can contain many artifact numbers. This is a many-to-one relationship.
- Artifact Material Type modifies Artifacts- This is a many-to-many relationship. Many material types can describe many artifacts, artifacts can have several material types, and many artifacts can be made of the same material type.
- Site Numbers- There is only one number per site, but there can be many artifact numbers and FS numbers in that site. This is a many-to-one relationship.
- Descriptions- are generally unique to a single artifact number. This is a one to one relationship.