

Proposal Template:

Project Participants: Geraldine Ciancanelli

Title: Family Jewels

Executive Summary:

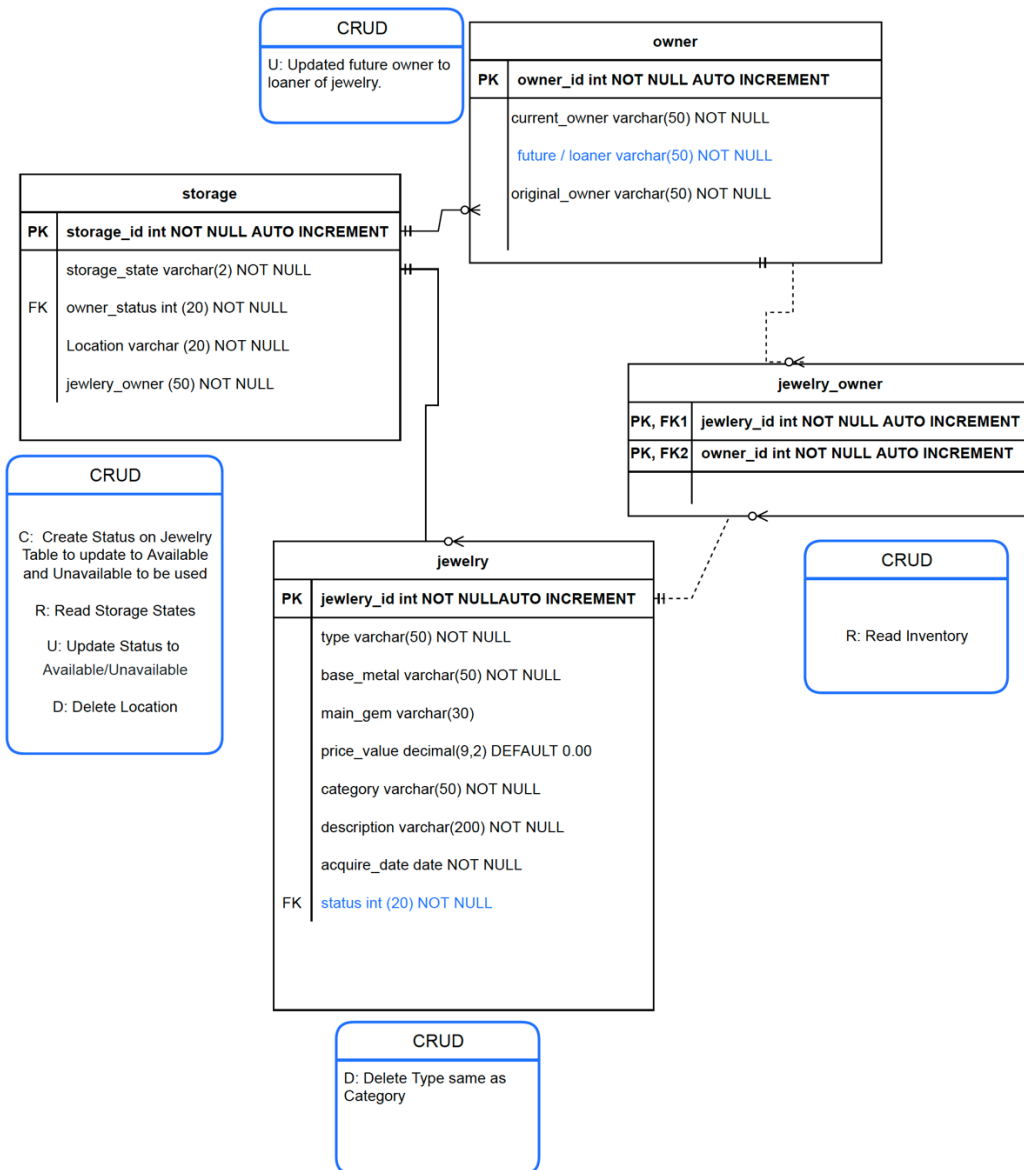
Family Jewels will be created to keep a database of all the family jewelry. It will allow the user to see who the original owner was, current and future owner. The actual storage location of the jewelry will be noted if they need to locate it for an event.

The jewelry will be categorized by base metal, main gem, value and acquired date to help them look up items and document a value of the collection.

Initial Features:

List of Features/Endpoints for Jewelry Database:

- Entities: **Current Owner**, Future Owner/Loaner, **Primary Owner**, Base Metal, Main Gem, Category, Jewelry Sets, **Jewelry Type**, and Storage location.



Ownership:

PK: Owner_Id: INT

Current Owner: CHAR

Future Owner: CHAR **[Update(Modify)= Update Future Owner to Loaner]**

Original Owner: CHAR

Jewelry:

PK: Jewlery_Id: INT

Type: CHAR [**Delete = Type (same thing as Category)**]

Base Metal: CHAR

Main Gem: CHAR

Price: Big Decimal

Category: CHAR

Description: CHAR

Acquire Date: DATE

FK: Owner_Status: INT

Storage Location:

PK: Storage_Id: INT

State: CHAR [**Read, Update(Modify) = Read list of states, Florida spelled wrong Update**]

Location: CHAR [**Create(new), Delete = Create new location to Available/Unavailable**]

FK: Owner_Status: INT

Jewelry Set/Type:

PK: Set_Id INT [Read = view items]

FK: Owner_Id

FK: Jewlery_Id

- A User can perform the following operations:
 - Login, and use system
 - Browse all Jewelry (GET on Jewelry)
 - Browse Jewelry by metal type (GET on Jewelry with base metal specified)
 - View all details about a specific Jewelry (GET on Jewelry by primary key)
 - Read descriptions on a Jewelry (GET on Jewelry)
 - Change Storage Location of Rings (POST in Storage), set Storage State for New State (e.g. State FL) and (PUT Change Status of Location to Unavailable)
 - Return a Jewelry (PUT Change Status of Jewelry to Available)

Stretch Goals (to be completed if time allows, or after graduation):

- Add Chart for repairs: Broken, Chipped, Missing, Re-Size
- Add Chart for Update Jewelry: Sell, Melt, Re-Design
- Incorporate Testing