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28 October 2023

Capstone Project Plan

**Project Overview:**

// Project summary + features.

Discogs web interface for collectors and merchants:

manage their collections.

add to their collections both locally and through the Discogs database.

manage their marketplace listings.

track additional information relating to their collection.

Query collection.

export queried excel sheets.

Technical Insight:

Flask, Discogs API, Python (database management and querying), data visualization

Optional Visual Aids:

Mentor Feedback:

Project Plan Format:

Figma layout.

**Requirements:**

1) Set up a local database and read data in it with Flask-SQLAlchemy

2) Clean your data and perform a pandas merge with your two data sets, then calculate some new values based on the new data set.

3) Make at least 1 Pandas pivot table and 1 matplotlib/seaborn plot. Pivot tables are a way to summarize your data and present it easily in a way that isn’t just a graph. They can be useful when combined with graphs.

4) Build a custom data dictionary and include it either in your README or as a separate document. This will only apply if your data set does not already have a data dictionary or if you’re building a custom data set. For an example, see the resources to the right. (Use personal library as example + pull other users info for marketplace example)

5) Annotate your .py files with well-written comments and a clear README.md

**Future Development:**