

Outline for Final Project Assignment

Name: _____

Each student in CPT187 will design, plan, and code a Final Project which counts for 25% of each student's overall grade in the course. The outline in this assignment is the first draft of each student's plan for this project.

- **Scenario/Case Study: Collectors Management Tool**

- A Python program designed to help collectors manage their collection, no matter what they are collecting. Their collection could be items like stamps, coins, art, music, videos, anything of value.
- The Python program should be designed to allow collectors to customize the database and program for any type of collection, including custom input forms and output records.
- The program should manage:
 - Categories of items in collection
 - Item name
 - Item description
 - Name of item's source, contact, address, phone, email, phone
 - Price paid for item
 - Current value of item
 - Location where the item is stored or on display
 - Other data points the student developer wants to add

- Required specifications for this project (subject to change):

- Object-Oriented Programming (OOP)
- Relational database using SQLite
- Graphic User Interface (GUI) using tkinter
- User authentication for admin and users (at least two roles but could be more)

- Required for this outline:

- Detail database design
- Detail inputs
- Detail data processing
- Detail output reports

- Extras for this outline:

- Screen/form wireframes
- Data validation

- Include a timeline with due dates each week for the rest of the semester showing how each student plans to allocate their time and energy to this important CPT187 Python programming project.

This assignment may be changed at any time. Students will be notified in advance of any changes.

Last Updated: Monday, February 19, 2024, at 11:50 AM