

In-Class Assignment:

Adapt the 3rd demo program from class on Monday 3/19 to work with the Music database.

- A. Begin with a copy of the three python scripts provided: dbmenuobjects.py, dbinterface.py, and companydb.py. Modify the database to use the music database instead of the company database.
 - B. Modify the two existing queries to list and search from tables that exist in the music database.
 - C. Modify the menu to display appropriate prompts.
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Group Assignment:

Expand the functionality of the Music database application. You should work together on this.

- A. Expand the menu system to have at least 2 submenus. For example, a submenu for inserting new data, a submenu for doing various queries, a submenu for deleting something, or a submenu for updating something.
- B. Write two new functions for each CRUD operation:
 - a. Create (Insert)
 - b. Read (Select Query)
 - c. Update
 - d. Delete
- C. At least two of the functions you create above must involve multiple database operations (See slides “Complex Use Cases” from Monday 3/19).

You may use queries that you wrote for HW10 if you'd like.

Individual Assignment:

Further expand the Music Database Application. Do this part on your own.

- D. Add at least one more submenu.
 - E. Write at least two new functions for each CRUD operation:
 - a. Create (Insert)
 - b. Read (Select)
 - c. Update
 - d. Delete
 - F. At least two of the new functions you create above must involve multiple database operations (See slides “Complex Use Cases” from Monday 3/19).
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General Guidelines::

Work iteratively. Write one thing at a time and test it to make sure it works before moving on to the next thing. Writing lots of code that hasn't been tested is sure to lead to frustration. Keep backup copies so you can revert back to a previous version that did work.

All outputs should be nicely formatted.

Make sure your code is not vulnerable to SQL Injection.