

CSC 675/775: Introduction to Database Systems

Extra Credit Assignment 2

Total Points: 75

This assignment is an extension of the HW-4 assignment. Follow the instructions provided in the first part of HW-4, and then write an interactive Java program (GUI not needed) to provide the following functionalities. The program should start by providing the user with the following 4 options.

1. Identify marketable population and material
For this option prompt the user for State. Find the albums which have one or more tracks that have never been purchased in the State specified by the user. Print the Id, and the name of such albums. Also, find the customers from this State, and print their information.
2. Simple Track recommender
For this option prompt the user for customer ID. For the given customer ID find albums from which the customer has bought 3 or more distinct tracks, and recommend, that is, display the other tracks from these albums.
3. Top sellers by revenue
Find the artist(s) whose tracks are generating the highest sales revenue (unit-price x quantity).
4. Top sellers by volume
Find the artist(s) whose tracks are generating the highest sales volume (quantity).

Upload to ilearn your Java project containing the code.

Grading rubric:

Correct, complete, and well-documented code for each of the 4 options: 15 points each, 60 points total.
+15 points for attempting the extra credit assignment!