

Spring 2019

Home

Announcements

Discussions

Grades

People

Pages

Files

Syllabus

Modules

Blackboard

Collaborate

Office 365

Assignment 4

Due Mar 27 by 11:59pm Points 100 Submitting a file upload File Types txt
Available Mar 11 at 5:30pm - Mar 29 at 11:59pm 18 days

This assignment was locked Mar 29 at 11:59pm.

CSC134 - Spring 2019 - Applebaum

Assignment 4

Total: 100 points

Part 1 (60 points):

Using SQL, create tables according to the schema below. The ER diagram is attached -- be sure that your tables reflect requirements from the ER diagram that may not be listed below. Think carefully about how to enforce those requirements. You must use the exact table and column names given and correct SQL syntax to receive full credit.

CUSTOMER(cust_id, first, last, street, city, state, zip)

REWARDS(r_id, points, cust_id) foreign key (cust_id) references to CUSTOMER(cust_id)

CUSTOMER_PHONE(cust_id, phone) foreign key (cust_id) references to CUSTOMER(cust_id)

CONTRACTOR(bus_name, discount)

CONTRACTOR_PHONE(bus_name, phone) foreign key (bus_name) references to CONTRACTOR(bus_name)

HIRE(cust_id, bus_name, hours) foreign key (cust_id) references to CUSTOMER(cust_id), foreign key (bus_name) references to CONTRACTOR(bus_name)

ROOM(name, cust_id) foreign key (cust_id) references to CUSTOMER(cust_id)

PAINT_COLOR(mfg_id, color_id, name)

PAINTED(rm_name, cust_id, mfg_id, color_id) foreign key (rm_name) references to ROOM (name), foreign key (cust_id) references to ROOM (cust_id), foreign key (mfg_id) references to PAINT_COLOR (mfg_id), foreign key (color_id) references to PAINT_COLOR (color_id)

Part 2 (30 points):

- Populate the database. Enter at least two tuples to the PAINTED table. For each of the other tables, insert at least one tuple.
- Execute one delete statement to the PAINTED table.
- Execute one update statement to the HIRE table that changes the value of "hours".

Part 3 (10 points):

Specify statements to drop all of the tables created in part 1. Pay attention to the order of the statements to drop everything successfully without using transactions or disabling constraints.

Submission:

Submit the following plain text files to Canvas using the exact file names given. Do not zip them.

1. Create table statements (1_create_table.txt)
2. Insert, update and delete statements (2_populate_db.txt)
3. Drop tables statements (3_drop.txt)

Figure 1: [PaintStoreERDiagram.pdf](#) 

Submission

✓ Submitted!

Mar 27 at 11:23pm

[Submission Details](#)

[Download 1_create_table.txt](#)

[Download 2_populate_db.txt](#)

[Download 3_drop.txt](#)

Grade: 82 (100 pts possible)

Graded Anonymously: yes

Comments:

File 1 notes: • For CUSTOMER_PHONE, cust_id also needs to be part of the primary key -2 • Same issue for CONTRACTOR_PHONE-2 • No primary key declared for HIRE -4 • Primary key in ROOM needs name and cust_id -2 • Primary key in PAINT_COLOR needs color_id as well -2 • Primary key in PAINTED is missing. Primary key problems above make foreign keys wrong here. -6 General comments (no deductions for these): Using Int for zip makes it harder on yourself to correctly display zips that start with 0. Since you aren't doing arithmetic with zips, char(5) or char(9) is easier. Nice job adding CHECK for hours in HIRE

Kathleen Applebaum, Mar 30 at 6:25pm

◀ Previous

Next ▶