

## **IS 3400 - DATABASE MANAGEMENT - Fall 2018 - Team Project**

### **Instructions:**

- Based on the E-R design shown below (or one approved for your team – please discuss with me and obtain prior approval), develop an MS SQL Server database
- You can define the data types and NULL status for columns as appropriate
- You can use realistic “pretend” values for records as appropriate (make sure you use actual values for the DRUG table). There must be at least 4 records per table.
- Please upload your complete SQL code to Canvas in a notepad file (the SQL must be sequential)
- Due 12/08/2018
- Maximum 30 points
  - 15 points for implementation
  - 15 points for individual contribution to team in Assignment 3 and this submission (to be evaluated by team members)

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Hello Class,

I have had several queries on record values to insert in the DRUG table ?this is how you do it (similar to what I had shown in class):

Go to: <https://www.accessdata.fda.gov/scripts/cder/ndc/>

In the first box, select Nonproprietary Name. In the second box, type the name of a drug you commonly use, for example Ibuprofen. Click on the Search button. This will give you a list, the first column on the list is the PropName, the seventh column gives the Labeler (company manufacturing the drug), the eighth column gives you the value for NatDrugCode, the ninth column gives you the NonPropName (the name that is commonly used for the drug). You can use these values for your records. You might try other nonproprietary names like aspirin, acetaminophen or proprietary names like Claritin, Valium etc.?

PAT\_DRUG\_ALGY table shows possible allergic reactions to drugs:

Reaction: This shows what might happen to a patient with allergic to a drug - common reactions include cough, nausea, vomiting, headaches, rashes, itching (there are many others, so as long as you insert terms that make sense, I am fine with it). If you want some more terms:

<https://www.healthline.com/health/allergies/allergic-reaction-treatment#symptoms>

ActionTaken: This shows what should be done when there is an allergic reaction to a drug - you can give the patient an antihistamine, steroid? (again, as long as you insert terms that are reasonable, I am fine with it). If you want some more terms: <https://www.medicalnewstoday.com/articles/321500.php>

Severity: This shows how badly the patient reacts to the drug - you can use "High" or "Low" or medium as values in your records (or something else, as long as it makes sense).

PRESCRIPTION table:

Route: This describes how the prescribed drug is taken by the patient - the usual ways are Oral (through the mouth) and Injection. If you want some more terms:

<https://www.merckmanuals.com/home/drugs/administration-and-kinetics-of-drugs/drug-administration>

Refills: This indicates how many time the medicine in the prescription can be sold by the pharmacy to the patient. So, you can define that field as Int data type and use numbers as values for your records.

BILL table:

InsPay: This the dollar amount that the insurance company will be paying the hospital

PatResp: This is the dollar amount the patient has to pay after insurance

INSURANCE table:

InsDeductible: The dollar amount patient pays for health care services before the insurance plan starts to pay.

OutOfPocket The maximum dollar amount the patient has to pay for services in a year

Let me know if you have any questions!\*/

