San José State University
Department of Computer Engineering

CMPE 226
Database Systems
Spring 2017
Instructor: Ron Mak

Assignment #10

Assigned: Tuesday, May 2
Due: Tuesday, May 9 at 11:59 pm
Team assignment, 100 points max

Cisco Information Server (CIS)

The purpose of this assignment is to give your team experience using the Cisco Information Server (CIS) via its client-side Studio application. This is a data virtualization tool used in industry, similar to ones from Oracle and IBM.

Refer to the CIS *Getting Started Guide* and to these instructions.

Create your sources folder under **My Home**, not under **Shared**. You can name the **sources** folder anything you like, so each team member can have a separate folder if you want individual practice. Then do the following:

1. Upload (all or part of) your database to 130.65.159.87 and run it on the MySQL database server.
2. Make a screen shot of MySQL running on the command line on the server executing a SELECT statement.
3. Create a folder in Studio under *My Home*.
4. In your sources folder, create a MySQL 5.5 data source and connect it to your database:
    - Datasource name: (you choose)
    - Host: `localhost`
    - Port: `3306` (the standard MySQL port)
    - Database name: (based on your group name)
    - Login and password
5. Make a screen shot of the introspection window.
6. Make a screen shot of Studio displaying the column details and the contents of one of your database tables.
    - Such as the *ds_orders* example.
7. Upload an XML file to the server and make it a data source.
    - Such as the *ds_XML* example.
8. Make Studio screen shots of the XML contents and associated schema.
9. Create an XML data transformation and make a screen shot.
    - Such as the *productCatalog_xform* example

10. Create a view by joining two or more of your database tables (virtual or real), and make a screen shot of the table join graphic.
   - Such as the *ViewOrder* example.

What to turn in

Create a PDF containing the screen shots. Clearly label each one. Submit to Canvas: **Assignment #10: Cisco Information Server**

Rubrics

Criteria	Max points
• Screenshot of the team database executing SELECT on the server.	• **20**
• CIS data source connected to the team database. Screenshots:	
○ introspection window	• **15**
○ column details and contents of one table	• **10**
• An uploaded XML file as a data source. Screenshots:	
○ contents and schema	• **15**
• Screenshot of a transformation of your XML data source.	• **20**
• Screenshot of a view created by joins.	• **20**