

CS/SE 157B

Section 3

Database Management Systems II

Spring 2018

Instructor: Ron Mak

Assignment #8

Assigned: Tuesday, April 17

Due: Monday, May 7 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:

- Upload (all or part of) your database to 130.65.159.87 and run it on the MySQL database server.
- Make a screen shot of MySQL running on the command line on the server executing a SELECT statement.
- Create a folder in Studio under *My Home*.
- 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
- Make a screen shot of the introspection window.
- 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.
- Upload an XML file to the server and make it a data source.
 - Such as the `ds_XML` example.
- Make Studio screen shots of the XML contents and associated schema.

- Create an XML data transformation and make a screen shot. You can do it the new way
 - Such as the *productCatalog_xform* example
 or the old way.
 - Such as the *productCatalog_Transformation* example
- Create a view by joining one of your database tables (virtual or real) with the transformed XML data, 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 #8: 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: <ul style="list-style-type: none"> ◦ introspection window ◦ column details and contents of one table 	• 15 • 10
• An uploaded XML file as a data source. Screenshots: <ul style="list-style-type: none"> ◦ contents and schema 	• 15
• Screenshot of a transformation of your XML data source.	• 20
• Screenshot of a view created by joining a relational table with the transformed XML data.	• 20