Project Step 0: Get a Website Connected to Database and Running (Due Sun, Week 1)

Submit Assignment

Due Sunday by 11:59pm **Points** 5 **Submitting** a website url
Available until Jan 13 at 11:59pm

Aim

This assignment gets you started on your project right away by setting up a web server to connect to a database. I recommend using the MariaDB database created for you for this course and the ENGR servers to host your website made in NodeJS.

Deliverable

The deliverable for this is a URL of a website that demonstrates accessing a MySQL or MariaDB database and runs queries on it.

If you follow the NodeJS guide (http://classes.engr.oregonstate.edu/eecs/spring2018/cs340-400/using_node_on_engr_servers/index.html) in this module, the queries you need to run are already present in the sample code.

As you are already aware, you can use any web technology platform for your CS340 project so long as 1) you do not use ORMs, (https://en.wikipedia.org/wiki/Object-relational_mapping) and 2) you write all your SQL queries yourself. The class will officially host content on NodeJS but I am happy to help with Python, PHP, or Ruby.

So, *if* you decide to use *anything other than* the NodeJS sample app, the queries to run, in the right order, are

1. `DROP TABLE IF EXISTS diagnostic;`
2. `CREATE TABLE diagnostic(id INT PRIMARY KEY, text VARCHAR(255) NOT NULL);`
3. `INSERT INTO diagnostic (text) VALUES ("MySQL is working");`
4. `SELECT * FROM diagnostic;`

How do I work on this assignment?

I recommend completing **Assignment 0: Access and Use the CS340 Database** *before* starting this

assignment.

This will ensure that you don't have any problems with accessing your database using a different method, and then if you face issues while working on this assignment you can be sure that the problem is somewhere within your project code.

If you follow the NodeJS guide in this module, a URL to the running diagnostic module will be sufficient. Be sure to run the server using Forever so that we can still access it after you have closed your SSH connection!

This is the only project step which you cannot submit as a group.

Points

This submission will count as 5 points of your Project grade.
Late submissions are *not* allowed for any Project Steps.

Rubric for Step 0			
Criteria	**Ratings**		**Pts**
Working URL Working URL of a website demonstrating database access by running the specified queries (it's okay if we are required to connect to VPN for accessing your website)	**5.0 pts** **Full Marks** The web page displays the result of the queries specifically the last query.	**0.0 pts** **Non-working URL** URL does not work or does not demonstrate access to the database by running the queries specified. We will contact you only once, via email, if your website does not work as initially submitted. If you fix the website, you need to reply to the email AND submit the URL in Canvas too.	5.0 pts
			Total Points: 5.0