**ITEC 4860**

Project #2

In this project, you are to take your implementation from Project #1 and update the code to use MySQL as the data store for storing vehicles (instead of using text file).

**PART 0)**

In MySQL, create the necessary table to store vehicle records. Name the table anything you want (ex: “vehicles”). Do this on your local machine.

**PART 1)**

Update all your request handlers to store the data into the database. You no longer need to save into a text file.

* 
  + Insert a new record into the database table
* 
  + Query from the database and return the vehicle if found
* 
  + Update existing vehicle in the database
* 
  + Delete the record from the database if found
* 
  + Query from the database and return the most recent 10 vehicles

**PART 2)**

Keep your same scheduled tasks from Project #1 (MyTasks.java) and run them. You don’t need any changes or updates in MyTasks.java. Simply run the scheduled tasks and verify that your tasks are now working with the database. The scheduled tasks defined in MyTasks.java will:

* Add a random vehicle
* Delete a random vehicle
* Update a random vehicle
* Print out the latest vehicles report at the top of each hour

**PART 3)**

* Make sure everything is running correctly on localhost first before proceeding.
* Deploy your project to Google Cloud Platform using Cloud SQL
* Once your app is deployed (and tested), copy paste your URL into your Word file as part of your submission.
  + See the last page for submission details.

**Submission Guidelines:**

1. Take screenshots of your **code and output,** paste it into Word, and upload to D2L.
   1. Yes, screenshots of code this time or simply **copy/paste the code into Word (better option)**
2. Write **URL of your deployed app** in Google App Engine in submission text box.