PHPM 631 Lab 4: Semantic Web
Lab 4 - Due date: Submit on E-Campus by 11:59pm Monday 2/20

Submission. Submit on E-campus. See Requirements Section below for details
       o   Lab 4: Upload your reflection essay

Guideline for lab grading
You must submit whatever you did during in class lab on blackboard by the end of day of class. These will be include in the in class participation evaluation which is part of the grade for the last assignment.

Objective
By the end of this assignment, you should be able to
- Describe UMLS (Unified Medical Language System)

Group Work
You are encouraged to work in a team of 4 or less to discuss. But you must **EACH submit your own write up on blackboard**.

Lab 2: Semantic Web
This assignment is meant for you to understand concepts on semantic web, in particular ontologies. Read about UMLS at (https://www.nlm.nih.gov/research/umls/quickstart.html). You can find other information at (https://www.nlm.nih.gov/research/umls/). Discuss the following questions
- What is UMLS?
- What might be a potential use case?
- What the benefits of using it?
- What are the cost (not just financial costs, but potential difficulties) of using it?

Required Submission
1. Short reflection essay (Individual work. No group work allowed)
   a. The main purpose of this assignment is for you to sit back, and try to build your own mental model Take the time to reflect on what you learned.
   b. This is NOT a test of your knowledge. But to let you learn and let things sink in while it is still some what fresh in your mind.
   c. Consider yourself as the main audience (not Dr. Kum). You are writing for yourself. It may be in any form.
   d. Optional: Include any comments on other concepts of semantic web (i.e., linked data, triples, rule based inferences).