The following problems is a modified version, taken from chapter 12 of “System Analysis and Design IN A CHANGING WORLD” – 7th edition”.

What to submit: Please submit your typed solutions in PDF by it due date/time via the link provided in this assignment.

IMPORTANT NOTES:

* Number of possible attempts: 2
* No email submission is accepted! Email submissions will receive ZERO!
* Handwritten solutions or hand-drawn diagrams are not accepted and will receive zero.

The State Patrol Ticket-Processing System

In the first individual assignment, you identified use cases for the State Patrol ticket-processing system. Review the description in that assignment for the use case "Record a traffic ticket". According to the problem description, the domain class diagram of ticket processing system includes four classes: Driver, Officer, Ticket, and Court.

Questions:

* Draw the domain model class diagram for the ticket-processing system based on the four classes listed and include attributes and multiplicities. (10 Pts.)
* Identify classes that would be involved in the use case "Record a traffic ticket" and decide which class should be responsible for collaborating with the other classes. Then draw its first cut design class diagram. (15 Pts.)
* Create a set of CRC cards showing these classes, responsibilities, and collaborations for the use case. Note : Don't create CRC cards for view and data access classes. (10 pts.)
* Create the final DCD based on your CRC cards. Include method names. (15 Pts.)