Advanced Analysis and Design
CNIT 380 – O1 (Spring - 2021)
Lab Assignment 1 - (6%)
Instructor: Abdullah Abdulghafer
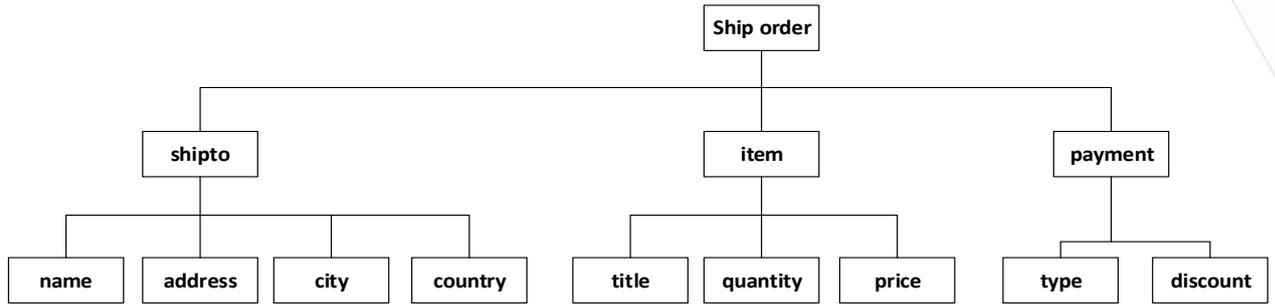Individual submission: Upload a clear version of your answers to Moodle.

Student name:………………..   Student ID:……………………

1. Name the .docx file with your ID number. Mention your name, ID on top of the first page.
2. Strictly, the submission file type should be .docx file.
3. Assessment submission deadline is 30/03/2021 @23:59. A delay in assessment submission will result in the following grade deduction
   · Delay of 1 Day : 40% Deduction
   · Delay of 2 Days: 60% Deduction
   · Delay of 3 Days: 100% Deduction
4. In case of plagiarized submission, student will receive a notification email with the below penalty applied starting the date of the email:
   · Resubmission on the first day (within 24 hours after notification): 40% deduction
   · Resubmission on the second day after notification: 60% deduction
   · Failing to resubmit within two days after notification, the assessment will be graded with zero
5. Please check Banner for your Gradebook and Attendance.
6. AUM rules and regulations apply.

1. Study the following XML tree structure, and then write the corresponding XML code (use MS Word). Add valid values for elements when applicable. (30 points)

2. List all errors within the following XML document. (20 points)

```
<xml version = "1.0" encoding = "UTF-8"  standalone = "yes"?>
<car >
<type   Make = BMW> Z3
</type>
<color> Black
</Car>
</color>
```

3. Study the following use case diagram for a university registration system. A register for course transaction starts when a student identifies himself/herself. Then, the registrar verifies student's credentials. The student open course catalog and select a course from the list of available courses that would be displayed by the system. The system checks the availability and eligibility, and asks student to confirm his/her selection. Once student confirms, the system updates student information and display his/her schedule. Write an essential use case that describes the "Register for Courses" use case (50 points)