Case Scenario   
A student applies to a college, fills application form and pays the tuition. The student registers for one or many classes. The registrar loads the student information into the student records.  Classes can be dropped or attended by the student. The teacher can also drop the student.  Grades are based mainly on exams and attendance. The teacher grades the exams and updates the system with new grades. Student records tracks the student’s final grades to see if the person meets the graduation requirements.  A student graduates if he or she meets the graduation requirements.

Step 1

|  |  |
| --- | --- |
| Nouns | Verbs |
| Student; College; application; tuition; classes; registrar; student info; student records; Teacher; Grades; exams; attendance; system; graduation requirements | Apply; fill form; pay tuition; register for classes; load info; drop or attend (student); drop (teacher); grades student; updates system; tracks grades; meet requirements; graduates |

Please refer to the lecture notes and make a table showing the nouns and verbs just like in the example provided in the lectures notes. Create a table showing that

Step 2

Based on the case scenario, make a Data flow diagram.

Step 3  
After that also a State transition diagram.

Step 4  
Make sure your create a word document and then copy paste the Data Flow Diagram and State Transition Diagram onto that. Make sure you have the following three sections in the word document that you are going submit:  
1. Case Scenario – The one above  
2. A table showing all the nouns and verbs separated out just similar to my lecture notes.  
3. Create a Data Flow Diagram using Visio or Power point. Make sure that the symbols are correctly shown. Once done copy/paste in to the word document.  
4. Create a State Transition Diagram and copy/paste once done into the word.  
5. Finally upload your word document to the drop box.