**Project Part 5 is worth 6 points of the 30 total project points available for this class**

**Due Date: beginning of class at 4:30 pm on Tuesday, April 16**

**Project Part 5** – to be completed either individually by each student or by a designated two person group. If project materials are created with or shared with any other student or students on this part of the project, ALL students will be charged with a violation of USA’s Academic Misconduct policy.

Objectives for this part:

1. Create a table (in Microsoft Word) in the same MS word document you have been using for your previous project parts. This table will have the format like the template shown below that identifies the associations created by the operation (in the Contracts) or the visibility which is required by collaborations. These are the only associations which should be included on your design class diagrams.

|  |  |  |
| --- | --- | --- |
| System Operations | Associations Formed in Contracts | Visibility Required by Collaborations |
|  |  |  |

1. Using the information from your previous project parts and the above table, create a design class diagram (DCD) in Microsoft Visio. Use the same Visio file you have been using for previous project parts and add a new tab for your DCD. You need to include method names and visibilities but not method parameters on this diagram. The methods you include on your DCD should be only those documented on your interaction diagrams. The associations shown on your DCD should be only those which are documented on your table from part 1 above. You also need to include all attributes and visibilities for your classes.

The above items should be placed in the Project Part 5 dropbox on or before the due date listed above. Since I have revised the due date for Part 4 to the same as that for Part 5, I will only create one dropbox for you to upload your Visio and word documents.