**Project 1: Facility Management System Design and Implementation**

**Project Description:**

In this project, we will start providing an object domain model for Facility Management System by addressing the design and implementation using OOP. The aim is to have a domain model that is designed using OOP that will be used to study Object relationship and Dependency.

Based on the specification provided for a Facility Management System:

* Identify the main entitles of the problem domain.
* Identify their attributes.
* Identify their relationships.
* Identify their roles and responsibilities.
* Discover other objects that facilitate implementing responsibilities.
* Make available all client interfaces/services specified in the specification document (Facility, Facility Use, and Facility Maintenance Client Interfaces).

Supporting documents:

* Requirement – Facility Management System Specification Document.
* Object Modeling (<http://www.ibm.com/developerworks/rational/library/content/RationalEdge/sep04/bell/>)
* A UML Modeling Tool for documentation

**Project Expectation:**

* Group (only two students in a group) executed project
* Submission of Design and Code
* Submission of your DB table structure/model

**Project Submission and Grading:**

* 15% of total grade
* Submit the UML model of the Domain Model
* Submit the location of your solution for the implementation
* Submit both to TA and Instructor

**Project Due Date:**

* Submission of Design and Implementation - EOD 02/23/2020