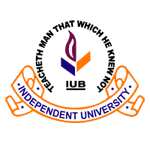
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**Independent University, Bangladesh**

**Department of Computer Science & Engineering**

**CSE 307: System Analysis and Design**

**(Summer 2019)**

**Assignment 3 (40 Points)**

**Statement of Work**

**Due July 22, 2019**

**Instruction:**

* Save the file with the naming convention as

A3\_CSE307Summer2019\_ID\_FIRST NAME\_LAST NAME.docx

* Submit through Piazza.com under folder assignment3 to the Instructor as Question.
* In summary please follow the convention: A3, ID, First Name Last Name

**Tasks: (5 points for each section)**

1. Draw **Entity Relationship Diagram** for the system. (5 Points)
2. Draw the Logical Data Flow diagram. (5 Points)
3. Draw the Physical Data Flow diagram. (5 Points)
4. Derive **activity diagrams** from use case diagrams and draw activity diagrams. (5 Points)
5. Develop sequence and **communication diagram**s from use case scenarios. (5 Points)
6. Develop the **Class diagrams**. (5 Points)
7. Draw **Statechart diagrams**. (5 Points)
8. Develop **CRUD matrix.** (5 Points)