**Transaction Requirements**

**Data Entry:**

1. Enter the details of a new instructor.
2. Enter the details of a new student.
3. Enter the details of a new course.
4. Enter the details of a new class section before a new semester begins.
5. Enter the details of a new class material when it is needed.
6. Enter the details of a new artwork when it exists.
7. Enter the details of a new evaluation when there is an artwork.

**Data Update / Deletion:**

1. Update / delete the details of an instructor.
2. Update / delete the details of a student.
3. Update / delete the details of a course.
4. Update the details of a class section.
5. Update the details of a class material.
6. Update the details of an artwork.
7. Update the details of an evaluation of the artwork.

**Data Queries:**

The database should be capable of supporting the following sample queries:

1. List the classes assigned to a given instructor.
2. Identify the total number of enrolled students.
3. Search for student’s artwork and its associated course, assignment.
4. Search for the instructor’s or student’s phone number and email.
5. Search for the evaluation of student’s artwork.
6. Search for the class materials and associated course.

**Assumption:**

1、To manage delete function, we assume that there is an attribute named (xxx) status. When it equals to “1”, it is enable. If it equals to “0”, it is banned until the root manager resets the status value to “1”.