**Sorry for phase1: We forgot adding ‘*status’* attributes to Staff Table and Student Table. This is for logical deletion. In other words, it is to ensure the data from other table which has a foreign key related to the parent table not to be deleted.**

**When status = 1, it is enabled; when 0, it is unabled.**

**Staff** (staffNo, staff\_fName, staff\_lName, staff\_status, staff\_sex, staff\_address, staff\_phone, staff\_id, staff\_birth, staff\_expertise, staff\_email)

**Primary Key** staffNo

**Derived** totalStaff ( COUNT(\*) WHERE staff\_status = 1)

**Student** (studentNo, student\_fName, student\_lName, student\_status, student\_sex, student\_id, student\_address, student\_phone, student\_birth, student\_major, student\_email)

**Primary Key** studentNo

**Derived** totalStudent ( COUNT(\*) WHERE student\_status = 1)

**Course** (courseNo, course\_name, course\_description, course\_pre)

**Primary Key** courseNo

**ClassSection** (sectionNo, associated\_course, section\_duration, section\_day, section\_time, section\_instructor, assignment, section\_semester, section\_year)

**Primary Key** sectionNo

**Staff\_Course\_Link** (staffNo, courseNo)

**Foreign Key** staffNo **references** Staff(staffNo) ON UPDATE CASCADE ON DELETE NO ACTION

**Foreign Key** courseNo **references** Course(courseNo) ON UPDATE NO ACTION ON DELETE CASCADE

**Student\_Course\_Registration** (studentNo, courseNo, enroll\_date)

**Foreign Key** studentNo **references** Student(studentNo) ON UPDATE NO ACTION ON DELETE NO ACTION

**Foreign Key** courseNo **references** Course(courseNo) ON UPDATE CASCADE ON DELETE

CASCADE

**ClassSection** (sectionNo, associated\_course, section\_duration, section\_day, section\_time, section\_instructor, assignment, section\_semester, section\_year)

**Primary Key** sectionNo

**Foreign Key** associated\_course **references** Course(courseNo) ON UPDATE CASCADE ON DELETE CASCADE

**Foreign Key** section\_instructor **references** Staff(staffNo) ON UPDATE CASCADE ON DELETE NO ACTION

**CourseMaterial** (document\_id, document\_title, document\_topic, associated\_course, document\_author, created\_time, modified\_time)

**Primary Key** document\_id

**Foreign Key** section\_instructor **references** Staff(staffNo) ON UPDATE CASCADE ON DELETE NO ACTION

**Artwork** (artworkNo, artist\_name, artwork\_format, created\_time, submitted\_time, used\_medium, subject, associated\_course, associated\_instructor, associated\_section)

**Primary Key** artworkNo

**Foreign Key** artist\_name **references** Student(studentNo) ON UPDATE CASCADE ON DELETE NO ACTION

**Foreign Key** associated\_course **references** Course(courseNo) ON UPDATE CASCADE ON DELETE SET NULL

**Foreign Key** associated\_instructor **references** Staff(staffNo) ON UPDATE CASCADE ON DELETE NO ACTION

**Foreign Key** associated\_section **references** ClassSection(sectionNo) ON UPDATE CASCADE ON DELTE SET NULL

**Evaluation** (associated\_artwork, written\_date, grade, remark)

**Primary Key** associated\_artwork

**Foreign Key** associated\_artwork **references** Artwork(artworkNo) ON UPDATE CASCADE ON DELETE CASCADE