

# Homework 03 – Design

Design the following items using Astah for the Student Information System (SIS) of HUST.  
You can follow the template of SDD in

[https://www.dropbox.com/sh/oc7u9f37j6xxpgt/AABmfAOblnuBA3vYI9\\_k-Q5a?dl=0](https://www.dropbox.com/sh/oc7u9f37j6xxpgt/AABmfAOblnuBA3vYI9_k-Q5a?dl=0)

Requirement Modeling:

- a. Each member must make specification for one more business use case:  
TOTAL 3 use cases (one common use case, two business use cases)
2. Architectural Design:
  - a. Each member make interaction diagrams (i.e. sequence or communication diagram) for their assigned use cases;
  - b. Combine related interaction diagrams and make analysis class diagrams
3. Detail Design: Make detail design for the followings:
  - a. Class diagram: Work in group
  - b. Class design: Each member should be assigned for designing some classes which relates to their assigned use cases
  - c. Interface design: Each member should be assigned for designing some interfaces which relates to their assigned use cases.
  - d. Database design:
    - i. Work in group for the whole E-R diagram
    - ii. Each member should be assigned for designing some entities/tables which relates to their assigned use cases