Object-Oriented Technology and UML

Teamwork 1

Use case modeling

Objectives

- Become more familiar with use case modeling method

- Through discussions, create the use case models

The main content

- 1. Tennis Court Booking System
- 2. Campus Information Platform

Task 1 Tennis Court Booking System (Teamwork)

- Users can book tennis court online through APP or WeChat

- Administrators can manage information of tennis courts and users

- Tennis court can confirm the booking information

- ……

- Please take into account the functional requirements that may be involved in the booking system as much as possible

Task 2 Campus Information Platform (Teamwork)

- **Campus Information Platform**
  - Students can elect courses
  - Students can query the results of courses
  - Teachers can upload courseware and other teaching materials
  - Teachers can issue a public notice
  - Administrative departments can issue a public notice
  - Students can apply for scholarships
  - ……
- **Please take into account the functional requirements that may be involved in the platform as much as possible, and think about the following questions**
  - What is the objectives and positioning of platform?
  - Which modules and functions should be included in the platform?
  - Is it necessary to integrate the platform with existing systems?
  - How to consider the expansion of the platform?

Tips: General process of use case modeling

- Find out the actors
- Capture functional requirements of system
- Combine functional requirements, find out use cases
- Find out relations among actors and use cases
- Draw the use case diagram
- Refine the use case description

Experiment requirements

- Careful analysis the above cases, establish appropriate use case model
- Choose one or more tasks
- For each case, select at least one important use case to analysis and describe the use case in detail, the description results could be attached to the use case model
- Please submit your work before 19:00 on Saturday
- Requirements of report and email
  - Email: seuuml@qq.com
  - Email title: "UML Teamwork 1 Use case(Student ID Name, Student ID Name, Student ID Name…) Task names"
- Attachment (Please do not compress)
  - Report name: "UML Teamwork 1 Use case(Student ID Name, Student ID Name, Student ID Name…) Task name"