Object-Oriented Technology and UML

Teamwork 2

Class Diagram Modeling

Objectives

- Based on the use case models constructed in the previous experiments, conducted the class diagram modeling and provide the basis for further design
- Be familiar with the general process of modeling class diagram
- Through discussions, become more familiar with the use of UML tools such as Rational Rose, and master the representation of common modeling elements in class diagram

Task 1 Tennis Court Booking System (Teamwork)

- Improve and refine the use case model of Tennis Court Booking System
- Through discussions, based on the use case model of Tennis Court Booking System, create the class diagrams and provide the basis for further design

Task 2 Campus Information Platform (Teamwork)

- Improve and refine the use case model of Campus Information Platform
- Through discussions, based on the use case model of Campus Information Platform, create the class diagrams and provide the basis for further design

Experiment requirements

- You should select at least one of the above cases
- Team leader should submit your work before 19:00 on Saturday
- Requirements of report and email
  - Email: seuuml@qq.com
  - Email title: “UML Teamwork 2 Class Diagram (Student ID Name, Student ID Name, Student ID Name…) ”
- Attachment (Please do not compress)
  - Report name: “UML Teamwork 2 Class Diagram (Student ID Name, Student ID Name, Student ID Name…) Task names”

Notes

- Gain the understanding of relationships between classes during the class diagram modeling process
- Experience the difference of three perspectives of class diagram during the class diagram modeling process
- Determination of classes is a critical and relatively difficult task, which require careful consideration during the modeling process
- Completion of class diagram modeling is only one result. I hope you can understand the details of the class diagram modeling during the process, the process is more important

Steps Of Class Diagram Modeling

- Domain analysis, determine system requirements
- Determine classes and their responsibility, determine the attributes and operations
- Initially determine the relationships between classes
- Refine the relationships between classes
- Draw the class diagram, and give the necessary textual description