

# SENG 609.23: Object-Oriented Analysis and Design (Winter 2004) Assignment for Projects

## *1. Projects*

Select a project from the list below or select any other project related to Object-Oriented system development that you are interested in.

1. On-line customer order processing
2. on-line auction system
3. Electronic shopping cart
4. Electronic shopping mall (bookstore, PC parts shop, etc.)
5. Transaction processing (pay at the pump, etc.)
6. ATM bank system
7. On-line bank system
8. on-line university (course selection, registering, maintaining course syllabi, etc.)
9. Electronic secretary (for office assistance, for assistance to people with disabilities, etc.)
10. Agent-based system (tutoring and learning system, electronic market system, etc.)
11. Personal assistant for collaborative game playing system
12. Personal assistant for network management system
13. Personal assistant for software system testing and reliability management
14. Personal assistant for metrics collection
15. Graphics or text editor (UML or business modeling editor, etc.)

### **Notes:**

1. Projects are for 2-3 team members but they can also be done individually.
2. Please select your team member(s) a project and email me of the project title you selected, your and your team members' names and contact emails.
3. I strongly recommend that you suggest other projects if you want.
4. Deliverables at the end of the project are:
  - Executive summary of the project (explain the overall functions of the system, benefits of the system, target clients, etc.)
  - System overall specification (text may include graphics)
  - A business modeling for the project (optional, some of the projects may not need one, but I recommend to include it for the projects that may need one)
  - Design documents for the system (basically, UML diagrams, modeling files and associated documents)

Please note that you do not need to submit the code for the program.

## ***2. How to Submit?***

- The documents should be submitted both electronically and in printed form. I suggest that you submit the printed form for quick review and marking and the electronic form for maintaining the course project records.
- In case of electronic submission please make a zip or tar package of all the documents and the model (\*.mdl, \*.vsd, etc.) files and please include a “readme” file mentioning the name and version of the tool that was used to generate the documents.  
Electronic version of assignments should be forwarded to course instructor by email. e-mail: [far@enel.ucalgary.ca](mailto:far@enel.ucalgary.ca)
- In case of electronic submission, the student is responsible to have the electronic attachments scanned for viruses before submission. Virus infected deliverables will be deleted automatically and marked zero.
- Inquiries about the assignments can be forwarded to the course instructor.

**Deadline for project:** April 23<sup>rd</sup>, 2004 (Friday).

Good luck