Arrangement Specification of Project A & B

1. Team Organization:

Maybe a student can accomplish the required task alone. But we encourage the students to organize their teams towards the cooperation goal.

A team has its name and leader, and it selects one project from Project A (Simulating a Physical System) & B (Chinese Word Segmentation). The team can be formed with maximum 3 - 4 members, that is, 3 members for Project A and 4 members for Project B (It is better that each team has maximum members). The leader must be responsible for the work allocation, arrangement and project quality. Each member should intensively study his / her corresponding topic in the Project A or B.

The deadline for the team organization is at midnight on **Nov. 30, 2012**. After that time, all teams should kick their projects off. Before the deadline, all teams must submit the first report (team report) to your course representatives. The course representatives must upload them as soon as possible. The team report format is required as follows.

Team Report

Team Name:

Leader Name: Student No. Email:
Task:

Member1: Student No. Email:
Task:

Member2: Student No. Email:
Task:

Member3: Student No. Email:
Task:

Special Specification:
(If you need, please specify here.)

2. Team Task Allocation:

For example, a team leader B allocates the following tasks to his / her members:

Student	Task
A	User Interface
B	System Architecture, Component, and Word Segmentation Algorithm Design
C	Implementation and Debugging
D	Lexicon Construction and System Testing

Note: In order to encourage students to study more difficult task, if you are allocated a more difficult task, we will give you an additional premium.

3. Project Specification and References

Team leader and all members should carefully read project specification and references according to their selecting project and concrete tasks. Then they design system architecture, components, data structure, and algorithms. After accomplishing that, they will do programming work, debug programs, and test them.

4. Project Deadline

Before the midnight on **Jan. 3, 2013** all teams must submit the system software and final reports to your course representatives. The course representatives must upload them as soon as possible.

5. Project Marking

Your program systems will be divided into the levels A, B, C. The level A can score 21-25 marks; the level B can score 16-20 marks; and the level C can score 15 marks or less.

If a team would like to participate in the evaluation with the system level A, it must apply for that through sending an email to the course representatives before **Jan. 2, 2013**. Then all the members of the team will take part in a reply held on **Jan. 5, 2013**. They will give a presentation and demo their system within 10 min. and finally answer some questions.

If a team only would like to participate in the evaluation with the system level B and C, it doesn't need to apply for the reply.

We will test your system and obtain the corresponding performance, at the same time, we also observe the quality of your system design, implementation, debugging and documentation.

For example, for Project B the testing method for systems is to use an input file called "input.txt" including 20 testing sentences (each takes up one line), the system gives an output file called "output.txt" including 20 word-segmented sentences (each takes up one line). Notice that there are SBC-case (全角) punctuations in sentences.

The ratio of the final score for Project B (for the system level A) is as follows:

Design and implementation of user interface: 6 marks
Design and implementation of a lexicon: 4 marks
Design and implementation of word segmentation algorithms: 10 marks
Reply: 5 marks