Software Engineering

Laboratory Projects

1. 《**Subsystem Version 1.0**》 (**Release version required, NOT the one running under IDE**)

Minimum requirement of acceptance:

- Complete functionality – there must be NO defects which seriously affect the demonstration of the functions (30 points);

- In your source code, all the classes, function declarations and implementations must be sufficiently commented (10 points). Your code will be randomly inspected. Any source code file with less than 1/3 of the lines commented *meaningfully* will NOT be accepted (and thus 10 points will be lost). Redundant comments will not be counted;

- The testing report must be filled in according to the testing plan. Each defect must correspond to a record of detection and correction. The testing results must be highly consistent with the source code (10 points);

- The Help document must be highly consistent with the real subsystem (10 points).

Grading: The full mark = 60 points. Only partial participation is required. Every one of the participants must attend the acceptance testing and report his or her work to the inspector. This part will be graded together with the testing plan document.

The full mark of part 4 & 5 = 100 points × total number of participants in part 4 & 5.

2. 《Subsystem Version 2.0》 (Release version required, NOT the one running under IDE)

Minimum requirement of acceptance:

- All the defects found in version 1.0 are corrected (10 points);
- Pass the inspector's regression testing with similar requirements as in version 1.0 (20 points);
- The testing report and updated Help document (10 points).

Grading: The full mark = 40 points × number of participants

3. 《Final Integration of System》

Minimum requirement of acceptance:

All the functions and data communications among the groups are correct.

Grading: The full mark = 100 points × number of participants. The group leaders and the chief programmers must attend the acceptance testing and report to the inspector.

Without other specifications, all the groups shall obtain the same average points for this part. However, you may e-mail your complains to the inspector about other group's negative attitude toward integration. Any group that is sued by more than half of other groups will receive a penalty deduction or in the worst case, a zero grade. In case it is perfectly clear that some groups are fully responsible for the (partial) failure of the integration, the groups will take the consequences by their own.