Reminder – Interim deadlines

Each group will hand in 2 hardcopies of the report on 19 Dec 2003 by 5:00pm at the Admin Block.

Each group will hand in your prototype demo harddisk or harddisks (or a clone on CD) on 5 Jan 2004 by 5:00pm to the technician in Room 348.

Each student will hand in a Peer review to his/her Supervisor in person by 20th Jan 2004..

Interim Report – Guidelines (2003/04)

(worth 20% of the overall grade)

Deliverable Guidelines

The deliverable guidelines are for reference only. It is not necessary to be exactly as given below. The important thing is that your document serves the intended purpose. The organization of the report is open to your own creativity. The assessment criteria are based on the following:

- ✧ Analysis
- ✧ Design
- ✧ Quality plan
- ✧ Sub-systems or prototype demonstration/Oral presentation
- ✧ Level of difficulty/complexity/creativity

A. Requirements Analysis & Specifications:

As much as possible, it is important that you do enough background information collection, ideally from a real user (such as a restaurant ower and customers if you are doing a restaurant booking system).

In real life, especially for large software projects, analysis document and specifications document can be separated. Analysis document is more high level and is written in such a way so that the user can understand, i.e. written in user's language or plain English; while specifications document is more detail and written for software designers' use.

Requirement analysis & specifications usually include:

(I) An overview of your report

(II) Results of your background research.

(III) Requirement specifications of your proposed system:

i. General description of the proposed system, and its relationship to other (software) systems. How the intended users are going to use it? (Use either plain English or the brief use case format)

ii. Either one of the following:
Context diagram and Level 0 DFD (very high level definition of the system and the system boundary), & detailed system flow diagram (all levels of DFD) ,
or,
Use Case model (Use case in fully-dress format and the Use Case diagram, Domain model and the System Sequence diagram(SSD).

(IV) Data dictionary or a Glossary to explain any terms that has special meaning.

B. Design

The design document documents your conceptual solution that fullfills the requirements specified in your requirement specs. There should be a logical continuation from section A. above.

This document should include at least:

(I) Database design
(II) Either Object design (if you are using an OO programming tool), or Process design (if you are using a procedure-oriented programming tool).
(III) User interface design
(IV) Any special design (For example, specially designed communication protocols, special business rules or policies, operation procedures…)

C. Quality Plan

You should have a strategy for producing a high quality software. Think about how you would

- ensure software usability
- minimise the errors/bugs
- meet all user requirements correctly
- produce a stable software
- handles exceptions properly
- test your software