COMP4 Standardisation

Project 7

REPROGRAPHICS 'ONLINE' SYSTEM

This is a *potentially* Complex problem with a clearly identifiable Real End User. Data is permanently stored in XML files and it is a Data Processing project.

The method of solution includes user defined classes and a Queue structure.

It will be fully coded in VB2008

Background and problem identification (p 3) is rather concise and is embedded throughout the Analysis section.

Some description of current system and a lot of details of proposed system (p 4) which isn't really needed here.

Clear identification of End User on CRF and p 5, also Departments (p 12)

Some User needs given but mostly included in Objectives (p11 & 12)

Data sources & Destinations are not explicit but there is a possible hint on the system flowchart (p 18)

Data Volumes are not present (but should be for this type of project)

The ADD is for the proposed system (p 13), not the existing one and is not well done

Despite the heading, the DFDs for existing and proposed systems are not actually present

There are 37 **NUMBERED** Objectives; many of them are SMART (p 11)

Discussion of Potential Solutions is brief (pp 15 & 16) and some methods are not very realistic

There is **some** justification of the choice of VB (p 19)

The use of Formal Methods involved an Interview & Observations (p 3 & 4). There is also some reference to source docs (but there were not included and should have been)

XX Marks

DESIGN Project 7 (slide a)

There is No System Flowchart but Classes are quite well described (p 21)

Hierarchy Chart can be found earlier (p 18). Various Classes & their functions described in detail (pp 21 – 30)

Some detail about record structure is mentioned in Analysis. Description of XML files there (pp 13 – 15)

A limited amount of Validation is identified (p 35) but is not explicit

Not much about File Organisation and Processing. Candidate is going to use XML files. Database Design / ER model is Not really applicable here

DESIGN Project 7 (slide b)

Storage Media and Format is not discussed except earlier brief reference to use of XML files in Analysis

Several pseudo-code algorithms described (pp 30 - 35), one is quite complex

Many screen designs are given (pp 38 – 45) but there is limited justification of Rationale although choice of Font mentioned

Security and Integrity of Data is not included other than some validation. System Security is briefly covered, Login mentioned (p 36)

Test Strategy is rather Basic but present (pp 36 – 37)

XX marks

Fairly extensive code produced by the candidate which is well structured and there is quite a lot of processing going on. It involves User defined classes, sorting and a Queue structure

The Teacher verified it as a robust, working system. It meets all agreed Objectives.

There is a sensible use of variable names with some commenting in the listing e.g. p 47

Some evidence of screens as small screenshots incorporated within the code listing

Customisation not really applicable here.

XX marks

There is a test plan table but it is very limited in scope with just 5 sets of tests planned (p 100)

The Test Data cross referenced is truly minimal (p 100). The amount of testing for Typical / Erroneous and Boundary tests is inadequate to test the system thoroughly

Screen shots are labelled by test number so as to XREF to the table but are not annotated

X marks

There is a Brief Text description of System Overview (p 123) but no diagrams are present

Many pseudo-code algorithms were included in Design section But should have been explicitly XREF back from here)!

There is a sensible use of Class and Variable names with self-documenting code. No commenting here in this second code listing in the Appendix but there is a lot of earlier commenting e.g. p 53

There are limited Variable lists included in Class definitions (p 123)

X marks

A separate contents page is included (p 106)

Very brief installation instructions given (p106)

Many well explained actual screen displays are given (p 107

Two examples of error messages screen shots with error recovery procedures are given (pp 106, 112) within main text, not as separate solution

The language and instructions are judged appropriate for the intended End User and the manual covers all of the capability of the system.

X marks

Outcomes are not compared against earlier extensive Objectives in the Analysis section

Two appropriate extensions listed (p 134) but these were entirely candidate driven

User feedback letter verified by Local Assessor (p 135) was signed but not dated by End User.

User feedback was not analysed

X marks

All criteria met. Mostly logically organised in sections but not quite as set out in Specification. Continuous prose

Contents page with computer generated TOC but is only partially detailed

Appropriate page footer with continuous page numbering. Good use of WP facilities

Spelling mostly OK. Use of English and grammar good.

X marks

Total for Project 7 = XX marks