

COMP4 Commentary Sheet: Project 6 - Transformations of Graphs of Functions

Programming Language		Pascal with Lazarus			
Analysis	Band	Comments	Page	Mark	Max
Background & Problem identification		Good background info including explanation of terminology	12,4		
Description of current system		Good description with supporting evidence	14,136		
User(s) identification		Users identified but no discussion of skill level	18		
User needs & limitations		Clear and detailed	18		
Data source(s) and destination(s)		Quite well done specially since this is not a DP problem so doesn't fit easily	19		
Data volumes		Probably over detailed for this type of problem	21		
Analysis data dictionary		Good Attempt but again difficult with this type of problem	26		
DFDs existing & proposed	3	Only simple and not quite correctly detailed	16,24		
Objectives	3	Appropriate measurable Objectives. Could be improved but EU initials	27		
Complexity		FC Complex. Nature of Non-Computing Problem. (Runtime OBI creation).	150		
Potential solutions		Good comparison of relevant possible packages & prog languages.	29		
Proposed solution		Good Justification of proposed solution inc benefits of Pascal on prev pge	32		
Use of formal method(s)		Use of questionnaire and examination of teaching documents. EU initials	136		
E-R model / Objects etc (if appropriate)		Not Applicable	-	11	12
Design					
Overall system design		Description and overall system overview diagram	36		
Modular structure		Extensive set of Hierarchy charts	36		
Record or D'base structure		Not Relevant	-		
Validation incl errors	3	Not in separate section but some references included elsewhere	43		
File org & processing		Not relevant	-		
D'base design + E-R model		Not Relevant	-		
Storage media & format		Justified for this non-DP project	45		
Algs for data transformation	4+	Extensive well explained algorithms written in pseudocode	46		
User interface (I/O)		Many detailed screen plans with good rationale	66		
Security & integrity of data	3	Briefly discussed.	72		
System security		Good in the context that data is not being stored	72		
Test strategy	2	Rather generic, needs relating to actual project		11	12
Technical Soln					
Technical competence		Processing OBJs met. Examples of complex code			
Complex tasks		Polymorphism. Maths > KS4, Runtime Object creation	150		
Annotated "listing"		Some annotation on listing and self documenting in part	146		
Samples of screens and design views		Evidence in various places e.g. User Guide.	114		
Customisation		Not Relevant		18	20
System Testing					
THIS SECTION IS NOT RELATED TO COMPLEXITY					
Design of test plan	3	Satisfactory design covering some aspects (But not all)	76		
Minimal test data cross referenced	2	Very incomplete test data.	79		
Typical data		Very incomplete test data.	79		
Erroneous data		Very incomplete test data.	79		
Extreme (boundary) data		An inadequate testing section overall	79		
Annotated results for above		Screenshots in other places suggest it works & Teacher verification	79	3	8
System Maintenance					
System overview		Good written description	84		
Algorithms or alternative		Several pseudocode algorithms linked to actual code examples	86		
Annotated listings/screens	3	Fairly sensible Var & Proc names but little commenting	146		
Proc & VAR lists (prog)	2	Procs listed without explanation. No Vars list	105		
Forms, macros etc (package)		Not relevant		6	7
User Manual					
A FULL USER MANUAL IS NOW REQUIRED, NOT JUST FOR ONE SECTION OF THE SYSTEM					
Contents page		Present	112		
Introduction & how to install	3	Good introduction but no installation. Could have included loading instead?	113		
Screen displays explained		Well explained with labels	114		
Error handling		No discussion but Teacher states coded so that errors can't be generated	-		
Appropriate level for user		Instructions are clear			
Enables Easy Use of System		Appears to enable this		6	7
Appraisal					
Objectives evaluated		Has compared outcomes vs earlier Objectives but brief	129		
Further development?		Good suggestions but not related to EU FB since not obtained.	132		
User feedback & analysis of this		Not done.		3	6
Quality of Written Language		SPAG OK, Well organised with Headers, footers & pagination		3	3
Total		NB AQA has repaginated this project for Standardisation Meetings		61	75

N.B. Some of these sections will NOT be appropriate for certain types of project, especially non-Data Processing ones. Not all of them may need to be completed. In all cases, you MUST refer to the Full Assessment Criteria if using this grid.