COMP4 Coursework Feedback and Marking

Design (12 Marks)	Draft Mark	Final Mark
	4	**9**

Overall
Design is feasible, most areas are covered in good detail. Some areas need some further improvement or better explanations.

Complexity

Layout
Strengths
•
Areas requiring improvement
•

1. Overall System Design

1.1 Short description of the main parts of the system
Strengths
• Reasonable overview provided (page 25-27)
Areas requiring improvement
•

1.2 System flowcharts showing an overview of the complete system
Strengths
• System flowchart (page 28-36)
Areas requiring improvement
•

2. User Interface Designs

2.1
Strengths
• Some UI sketches (page 37-41) with annotation and flow of control
Areas requiring improvement
•

3. Hardware Specification

3.1
Strengths
•
Areas requiring improvement
• Must justify selection more precisely (page 42)

4. Program Structure

4.1 Top-down design structure charts
Strengths
• Indication of hierarchy chart (page 42-45)
Areas requiring improvement
• Conversion to structure chart is incomplete

4.2 Algorithms in pseudo-code for each data transformation process
Strengths
• Some relevant information (page 45-49)
Areas requiring improvement
• Algorithms are not very interesting

4.3 Object Diagrams
Strengths
• Indication given (page 50)
Areas requiring improvement
•

4.4 Class definitions
Strengths
• Indication given (page 51-53)
Areas requiring improvement
•

5. Prototyping

5.1 Consideration of impact on design and development
Strengths
• Some remarks (page 54)
Areas requiring improvement
•

6. Definition of Data Requirements

6.1 Identification of all data input items
Strengths
• List provided (page 54-55)
Areas requiring improvement
•

6.2 Identification of all data output items
Strengths
• List provided (page 55-56)
Areas requiring improvement
•

6.3 Explanation of how data output items are generated
Strengths
• Limited indication (page 56)
Areas requiring improvement
•

6.4 Data dictionary
Strengths
• Dictionary table present (page 56-60)
Areas requiring improvement
•

6.5 Identification of appropriate storage media
Strengths
• Storage media identified (page 60)
Areas requiring improvement
•

7. Database Design

7.1.1 Normalisation (ER Diagrams)
Strengths
• Diagram appears appropriate (page 61)
Areas requiring improvement
•

7.1.2 Normalisation (UNF to 3NF)
Strengths
• Entity descriptions (page 61)
Areas requiring improvement
•

7.2 SQL Queries
Strengths
• Some indication (page 64-65)
Areas requiring improvement
• Better explanation of parameterised queries needed

8. Security and Integrity of the System and Data

8.1 Security and Integrity of Data
Strengths
• Some relevant comments (page 65)
Areas requiring improvement
•

8.2 System Security
Strengths
• Clear comments (page 66)
Areas requiring improvement
•

9. Validation

9.1
Strengths
• Some indication (page 67-68)
Areas requiring improvement
•

10. Testing

10.1 Outline Plan
Strengths
• Outline present (page 69)
Areas requiring improvement
•

10.2 Detailed Plan
Strengths
• Indication given (page 70-75)
Areas requiring improvement
• Appears unfinished