

Name:
Candidate Number:
Centre Number: 22151

COMP4 Coursework Feedback and Marking

Analysis (12 Marks)	Draft Mark	Final Mark
		5

Overall
Some evidence of a structured investigation but the detail level is generally poor and there are significant gaps which hinder understanding of the system. System requirements are not comprehensive as some section require further improvement. Some objectives are SMART but many are not. Indication that end user needs have been considered.

Complexity
Opportunities to create user defined algorithms to manipulate data from database Use of sophisticated language features to connect, store and update databases Possible use of OOP methods Use of appropriate normalised data models Use of SQL statements with dynamic parameters

Layout
Strengths
<ul style="list-style-type: none">
Areas requiring improvement
<ul style="list-style-type: none">

1. Introduction

1.1 Client Identification
Strengths
<ul style="list-style-type: none">Limited introduction to client (page 2)
Areas requiring improvement
<ul style="list-style-type: none">Further details on actual client role

1.2 Definition of Current System
Strengths
<ul style="list-style-type: none">Some explanation of system (page 2)
Areas requiring improvement
<ul style="list-style-type: none">Limited comments on feedback and marking aspects

1.3 Description of Problems
Strengths
<ul style="list-style-type: none">Limited indication of problems (page 2-3)
Areas requiring improvement
<ul style="list-style-type: none">Further explanation required – more detail on aspects relating to actual learning/feedback/assessment needed

2. Investigation/2.1 The Current System

2.1.1 Data sources and destinations

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Strengths
<ul style="list-style-type: none">• Some indication (page 4)
Areas requiring improvement
<ul style="list-style-type: none">• Not convinced all of the sources and destinations are appropriate•

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2.1.2 Algorithms

Strengths

- Limited indication of sorting algorithm

Areas requiring improvement

- No indication of where these algorithms come from (page 5) – how did you get these from the MyMaths site?
- Other algorithms? Assessment etc. in the classroom

2.1.3 DFDs (current system) where relevant

Strengths

- Limited indication (page 6)

Areas requiring improvement

- Symbols are not correct
- Student GUI is not a source – Student would be (page 6)
- Labels are vague

2.1.4 Input Forms, Output forms, Report Formats

Strengths

- Indication provided (page 7-9)

Areas requiring improvement

-

2. Investigation/2.2 The Proposed System

2.2.1 Data sources and destinations

Strengths

- Limited indication (page 10)

Areas requiring improvement

- Sources/destinations are not all accurate (page 10)

2.2.2 DFDs (proposed system) where relevant

Strengths

-

Areas requiring improvement

- These are a system flow charts (page 11-13) not DFDs

2.2.3 Data Dictionary

Strengths

- Clear dictionary provided (page 14)

Areas requiring improvement

- Further data items?

2.2.4 Volumetrics

Strengths

-

Areas requiring improvement

- No evidence for this calculation (page 15)

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3. Objectives

3.1 General Objectives
Strengths
<ul style="list-style-type: none">Some objectives provided (page 15)
Areas requiring improvement
<ul style="list-style-type: none">

3.2 Specific Objectives
Strengths
<ul style="list-style-type: none">Indication given (page 15)
Areas requiring improvement
<ul style="list-style-type: none">Some of these are quite generalNot all objectives are SMART

3.3 Core Objectives
Strengths
<ul style="list-style-type: none">Further indication of specific objectives (page 15)
Areas requiring improvement
<ul style="list-style-type: none">This section should not add further objectives

3.4 Other Objectives
Strengths
<ul style="list-style-type: none">
Areas requiring improvement
<ul style="list-style-type: none">Section not included

4. E-R Diagrams and Descriptions

4.1 E-R Diagram
Strengths
<ul style="list-style-type: none">Diagram present (page 16)
Areas requiring improvement
<ul style="list-style-type: none">Surely relationship between student and homework is m-m?

4.2 Entity Descriptions
Strengths
<ul style="list-style-type: none">Notation is correct
Areas requiring improvement
<ul style="list-style-type: none">Student table is not normalised fully (page 16)Unsure about TestResult – where do these score parts come from – are they questions? If so then this isn't normalised fully either

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5. Object Analysis

5.1 Object Listing
Strengths
<ul style="list-style-type: none">Some objective give (page 17)
Areas requiring improvement
<ul style="list-style-type: none">Some of these are not objectives – test result, quiz mode etc.

5.2 Relationship Diagrams
Strengths
<ul style="list-style-type: none">Diagram present (page 18)
Areas requiring improvement
<ul style="list-style-type: none">Inheritance relationships not shown correctlyNo relationship between member and homework/quizNot really interested in the relationship with the GUI – focus on the actual objects that are needed to store information

5.3 Class Definitions
Strengths
<ul style="list-style-type: none">Indication provided (page 20)
Areas requiring improvement
<ul style="list-style-type: none">Will need improved based on changes to 5.2

6. Other Abstractions

6.1 Graphs
Strengths
<ul style="list-style-type: none">
Areas requiring improvement
<ul style="list-style-type: none">Section not included

7. Constraints

7.1 Hardware
Strengths
<ul style="list-style-type: none">
Areas requiring improvement
<ul style="list-style-type: none">No explanation of why these specs are constraints (page 22)

7.2 Software
Strengths
<ul style="list-style-type: none">
Areas requiring improvement
<ul style="list-style-type: none">No indication why this is a constraint (page 22)

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7.3 Time
Strengths
<ul style="list-style-type: none">•
Areas requiring improvement
<ul style="list-style-type: none">• This deadline is incorrect (page 22)

7.4 User knowledge
Strengths
<ul style="list-style-type: none">•
Areas requiring improvement
<ul style="list-style-type: none">• This is not a constraint (page 22)

7.5 Access Restrictions
Strengths
<ul style="list-style-type: none">•
Areas requiring improvement
<ul style="list-style-type: none">• This is not a constraint (page 22)

8. Limitations

8.1 Areas which will not be included in computerisation
Strengths
<ul style="list-style-type: none">• Very limited statement (page 23)
Areas requiring improvement
<ul style="list-style-type: none">• More detailed explanation required

8.2 Areas considered for future computerisation
Strengths
<ul style="list-style-type: none">• Statement made (page 23)
Areas requiring improvement
<ul style="list-style-type: none">•

9. Solutions

9.1 Alternative Solutions
Strengths
<ul style="list-style-type: none">• Some alternatives given (page 23)
Areas requiring improvement
<ul style="list-style-type: none">• More detail on each would be appropriate• Further advantages/disadvantages – plus explanations

9.2 Justification of Chosen Solution
Strengths
<ul style="list-style-type: none">• Choice made (page 23) with limited explanation
Areas requiring improvement
<ul style="list-style-type: none">•