

# Analysis

## COMP4 Coursework Feedback and Marking

There are **12 marks** available for this section.

Name	Candidate No.	Centre No.	Draft Mark	Final Mark
Peter Millard	2674	22151	3	0

Evidence of a structured investigation but with significant gaps which hinder understanding. Some areas are lacking in detail and others are missing entirely. Whilst the user needs are considered it is unclear whether all needs have been addressed. Objectives are present but more are needed and they must be SMART.

## Overall Comments

### Layout

#### Strengths

Generally layout is appropriate

#### Weaknesses

Make use of LaTeX tables

Some scaling issues with graphics

## Introduction

## Client Identification

### Strengths

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Some identification of client (page 5)

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### Weaknesses

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## Definition of Current System

### Strengths

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Some description of current system (page 5-6)

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### Weaknesses

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I think this could be clarified and further detail provided

## Describe the problems

### Strengths

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Limited indication (page 6)

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### Weaknesses

---

Again, further detail is necessary

## Investigation (The Current System)

# Data sources and destinations

## Strengths

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Some indication given (page 20)

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## Weaknesses

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This should be a LaTeX table

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Is there a current database or is it really a spreadsheet?

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Is there no involvement from the participants of the races in the system?

# Algorithms

## Strengths

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Some algorithms identified (page 21)

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## Weaknesses

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Further algorithms?

# DFDs (where relevant)

## Strengths

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## Weaknesses

---

key?

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Whilst you have the right idea I think that some of these processes should be separated out into separate diagrams to make them clearer

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### Strengths

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for instance, where does the best time for distance come from on (page 22)?

## Input Forms, Output Forms, Report Formats

### Strengths

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Indication given (page 24)

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### Weaknesses

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## Investigation (The Proposed System)

### Data sources and destinations

### Strengths

---

Some indication given (page 25)

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### Weaknesses

---

Again, LaTeX table...

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Not sure that the source and destination being the same makes sense?  
Talk to me

### DFDs (where relevant)

### Strengths

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### Weaknesses

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These diagrams should diverge from the current system - otherwise where is the improvement? (page 26-27)

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Again, similar feedback to the proposed DFDs

## Data Dictionary

### Strengths

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Some indication provided (page 29)

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### Weaknesses

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Again, LaTeX table...

## Volumetrics

### Strengths

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### Weaknesses

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This is a cursory attempt (page 30) - no evidence or referencing of values

## Objectives

### General Objectives

### **Strengths**

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Indication provided (page 30)

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### **Weaknesses**

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This is not going to be web based (page 30)

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Some of these are quite vague - minimal data input?

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Further objectives needed

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## Specific Objectives

### **Strengths**

### **Weaknesses**

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Section not included

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## Core Objectives

### **Strengths**

### **Weaknesses**

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Some of these objectives would be appropriate specific objectives (page 30)

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## Other Objectives

### **Strengths**

### Strengths

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### Weaknesses

---

Some of these objectives would be appropriate specific objectives (page 30)

## ER Diagrams and Descriptions

### ER Diagram

#### Strengths

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Diagram provided (page 31)

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#### Weaknesses

---

many-to-many relationships?

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This doesn't really seem to match what your system is designed to do?

### Entity Descriptions

#### Strengths

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Notation appears appropriate (page 31)

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#### Weaknesses

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Should be no need for asterisks

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Does not match ER diagram

# Object Analysis

## Object Listing

### Strengths

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Some objects given (page 31-32)

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### Weaknesses

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I think Record is enough - RiderRecord is a bit redundant

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Further objects?

## Relationship Diagrams

### Strengths

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### Weaknesses

---

Section not included

## Class Definitions

### Strengths

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Notation is fine (page 34)

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### Weaknesses

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Watch diagram scaling

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Centre alignment is gross

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### Strengths

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Behaviours is not the correct term

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Will have to be updated to reflect changes in the above sections

## Graphs (and Other Abstractions)

### Graphs

#### Strengths

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#### Weaknesses

---

Section not included

## Constraints

### Hardware

#### Strengths

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#### Weaknesses

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Where is the discussion of how this constrains the system? (page 35)

### Software

### **Strengths**

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### **Weaknesses**

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Where is the discussion of how this constrains the system? (page 35)

## Time

### **Strengths**

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### **Weaknesses**

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What is the deadline? (page 35)

## User Knowledge

### **Strengths**

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### **Weaknesses**

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Where is the discussion of how this constrains the system? (page 35)

## Access Restrictions

### **Strengths**

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### **Weaknesses**

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Where is the discussion of how this constrains the system? (page 36)

# Limitations

Areas which will not be included in computerisation

**Strengths**

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**Weaknesses**

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Section not included

Areas considered for future computerisation

**Strengths**

---

**Weaknesses**

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Section not included

# Solutions

Alternative Solutions

**Strengths**

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**Weaknesses**

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Section not included

# Justification of Chosen Solution

## Strengths

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## Weaknesses

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Section not included