Database Methods Project 2007
B20028
This project is worth 50% of the total Module marks.

Outline:

FETAC gives guidelines for the project that you should complete. You will be given a brief that tells you the topic of your database. However, you need to pay close attention to the requirements of the FETAC subject to ensure maximum marks.

General Project Specifications:

Phase 1 - Design (20 marks)

The design should be carried out on paper and should include the following:

1. a concise description of the aim of the project, identifying likely queries and reports
2. specification of record structures including
   - field name, field length, data type, key field
   - reports, including heading and contents
3. a design for a data capture form and the screen layout (which should be based on the data capture form)
4. it should be clear from the design how the database will be used, as well as the benefits it brings

Phase 2 – Implementation (20 marks)

Candidates should:

1. set up the database by creating the record structure and screen format, and inputting data
2. print out the entire database, print out the structure of the database and screen format
3. carry out at least two relevant queries as identified at design phase, one of which should use a logical operator (i.e. AND, OR, NOT)
4. organise the database on a minimum of two separate fields and produce two printouts using the appropriate report format.

Phase 3 – Modifications and improvements (10 marks)

Candidates should:

1. Suggest modifications/improvements to the original design in the light of the results of the implementation of the design. (You are required to suggest, not do).

Summary of requirements:

Each project should have a minimum of 25 records, with 5 or more fields per record. Data types used should vary and include text, numeric and one other.

NB: Each project should specify where the data in the database is to come from and how it will be collected. The data should be recorded on a data capture form prior to entry. You should include an explanation of the flow of data in the organization, relative to your database, and if possible a DFD (Data Flow Diagram).

There should be a well-formatted data input form. There should be two queries and two reports. One of the queries should be a slightly more complex query in that the retrieval should be based upon more than one field. The final project should be bound and enclose all elements of the design, implementation and modifications phases.

Designated project subject area:

- Parking Permit Registrations Database

For the subject that you have been allocated you must decide the two queries and two reports that will be part of the project. The queries and reports should be relevant to the likely activities of the subject area chosen. They may be specified or just 'hinted' at in the assignment brief.