FETAC

Further Education and Training Awards Council
Comhairle na nDámhachtainí
Breisoideachais agus Oiliúna

(National Council for Vocational Awards)

Database Methods
B20028 – Level 5

Practical Examination 2007-A
This exam counts for 50% of the module marks

Duration: Two Hours
Please take the full duration to read and attempt all task.

INSTRUCTIONS TO CANDIDATES

1. Attempt **all** tasks **in order**.

2. Read the paper **throughout** before you carry out any of the tasks.

3. Enter your name clearly on all printouts.

4. *Printing may be carried out, under supervision, after the time allowed for the practical examination but no alteration may be made to saved files.*

5. Files **must** be saved in your allocated exam storage space.

6. At the end of the examination, return all printouts **and** this examination paper to the supervisor.

Candidate Name: _____   Date: _____

PPS Number: _____

Joseph Plunkett runs a small video store on Brocklie Street, Dublin. He wishes to create a database in which to store details of the titles he stocks. He intends to use the database to make it easier to answer customer enquiries. Create a new database file with the name **EXAM2007** for this.

1. Create a table with the name **VIDEOS1** to hold the following data extracted from the paper records of Joseph Plunkett.

VideoTitle	Director	ISBN	Mins	Publisher	Retail (€)
Infinite Kill	Chang, Jung	0385425473	90	Anchor	9.95
ET	Spielberg, Steven	0552146072	128	Dreamworks	11.99
The Blue Sea	Collins, Tom	0192815652	152	Anchor	6.35
Holy Fools 2	Harris, Joanne	0855277009	89	Black Pictures	12.99
Minority Report	Spielbery, Steven	0330297570	123	Dreamworks	12.99
Magnolia	Andersen, Collins	0140620915	118	Dreamworks	8.50
Jerry Maguire	Collins, Wilkie	5140620249	99	Pixie Pictures	17.50
Sliding Doors	Howitt, Peter	1853261947	101	Wordsworth	8.99
Way Of All Flesh	Collins, Frank J.	0140621784	135	PurplePay	9.99
Alfie	Gilbert, Lewis	1120299871	114	Pan Pictures	9.95

2. **Complete the Database Structure Form provided** to show field names, data types and field sizes/widths as appropriate. *Indicate the Primary Key to be the ISBN as this must be unique anyway.*

3. Design and create a screen form to allow the operator to enter the data shown above into the database/table. The format of the form should be as follows:
    - Insert the title **Video Details Entry Form** centrally on the form.

    - Display two fields on each line.

    - Place a label or title beside each field.

4. Print one copy of this screen form.

5. Input the data shown in the table above using the form you have created.

7. Print the table, **VIDEOS1** with the data organised on the **Retail(€)** field in ascending order (primary sort) and on the **ISBN** field in descending order (secondary sort).

8. For each of the queries listed below, create the query and then print the resulting output. Ensure your name is present on each print out and that each query is clearly identified by name.

   (a) Select and print all the records for videos which are published by **Dreamworks**. Save this query as **QUERY1.**

   (b) Select and print all the records for videos directed by anyone with the *surname* of **Collins**. Use a wild card to select the required records. Save this query as **QUERY2.**

   (c) Select and print all records of videos published by **Dreamworks** and where the **Retail Price** is greater than €10.00. Save this query as **QUERY3.**

   (d) Select and print all the records for videos whose **Publisher** name includes the word '**Pictures'** and the price is between €10.00 and €15.00. Save this query as **QUERY4.**

9. Copy the table as **VIDEOS2** and make this modification:
   Add a new field to the database/table as follows:
   > Field name – **Available**,
   > Field type – **Logical** (Yes/No)

10. Input data into the new field, **Available**, as follows:
    > All the **Dreamworks** and **Anchor** videos are available.
    > All other videos are currently out of stock. (FALSE)

11. Delete the record with **ISBN** 5140620249

12. Add the following records to the table **VIDEOS2**

VideoTitle	Director	ISBN	Mins	Publisher	Retail(€)	Available
Winter Love	Lately, Larry	1442983920	102	Arrow Pix	9.95	FALSE
Forrest Gump	Spielberg, Steven	2019298701	185	DreamWorks	12.55	TRUE

13.   Generate a report from the table, **VIDEOS2**, to include all the following:

- Show all fields, <u>except</u> **ISBN** and **Publisher**

- Display the appropriate field heading centrally over each column of data.

- Display the title **List of Titles,** centrally over the report.

- Sort the report in ascending order on the **Director** field.

Save this report as **STOCKLIST**

14.   Print **STOCKLIST**.

15.   Produce a set of reminder-labels, from the table, **VIDEO2,** for all videos that are **not** available. The labels should have the following format:

- Layout as shown below
- Have two labels across the sheet

```
┌──────────────────────────────────┐
│   VideoTitle          Director    │
│                                   │
│            Retail(€)              │
│                                   │
│            Minutes                │
│                                   │
│            Publisher              │
└──────────────────────────────────┘
```

16.   Save these labels as **LABELS** and print.

Database Structure Entry Form

Field Name	Data Type	Size/Width

Name: _____   **Date:** **15**th May 2007

Check List of Requirements

At the end of the examination you should have the following items:

1.   The following items, saved:
   - (a)   The table **VIDEOS1** ☐
   - (b)   The table **VIDEOS2** ☐
   - (c)   The query **QUERY1** ☐
   - (d)   The query **QUERY2** ☐
   - (e)   The query **QUERY3** ☐
   - (f)   The query **QUERY4** ☐
   - (g)   The report **STOCKLIST** ☐
   - (h)   The labels **LABELS** ☐

2.   The following printouts:
   - (a)   The form ☐
   - (b)   The table **VIDEOS1** ☐
   - (c)   The Query **QUERY1** ☐
   - (d)   The Query **QUERY2** ☐
   - (e)   The Query **QUERY3** ☐
   - (f)   The Query **QUERY4** ☐
   - (g)   The Report **STOCKLIST** ☐
   - (h)   The Labels **LABELS** ☐

3.   The Database Structure Entry Form completed.