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| G:\Brooke Weston Logos\Bitmap Images\Logo Only\BW Logo 2007 Shape GIF.gif | **Brooke Weston Academy**  OCR Level 3 Nationals in ICT  **Unit 06 – Advanced Databases** |

##### Unit 06 – Structured Study Lesson for Week 5

**Lesson plan guidance: Weeks 5 (AO2)**

**Area of the Specification:**

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| **Assessment**  **Objective** | **Pass** | **Merit** | **Distinction** |
| **AO2**  Produce the database according to the design | Candidates produce a relational database that allows a user to add, delete, and edit records using forms.  Primary key and foreign keys are defined and tables are linked.  Data validation and customised error messages may have been set up.  There are at least four data types used and at least 60 records have been entered in the database.  The database will be **mostly** similar to design. | Candidates produce a working relational database that allows a user to add, delete, and edit records using forms.  Primary key and foreign keys are defined, tables are linked, and data validation and customised error messages have been set up.  There are at least four data types used and at least 60 records have been entered in the database.  The database will be **similar** to the design. | Candidates produce a working relational database that allows a user to add, delete, and edit records using forms.  Primary key and foreign keys are defined, tables are linked, and data validation and customised error messages have been set up.  There are at least four data types used and at least 60 records have been entered in the database.  The database will **exactly** match the design. |

**Lesson related objectives:**

Students to be able to:

1. Implement a database system based on the designs using various different skills and techniques within the software application
2. Identify and explain the integrity and validity of the database implemented

**The Task: (make use of the PowerPoint and any other Word or PDF documents provided)**

**Using the relationship created between the tables, explain the following task:**

***Task 4 (P / M / D)*** – Explain to the end user how you have ensured that you have maintained your databases integrity by enforcing referential integrity. You may want to illustrate this using screenshots of the database features used

To achieve a MERIT/ DISTINCTION, you need to:

* Demonstrate this working by showing a customer who has a sales/bookings, delete it from the customer table and show that all of the sales/bookings have been removed in a cascading effect (use the allocated ID number)
  + use annotated print screens

***Task 5 (P / M / D)*** – Create the forms based on the designs produced for your database

* Provide screenshot evidence for creating the forms including any validation methods used

***Task 6 (P2.6)*** – Illustrate evidence (screenshots) in the form of using a consistent and appropriate styling in the design and construction of a database for:

1. Naming of all database tables
2. Name of fields used within the database tables
3. Naming of all database forms
4. Designs of all database forms
5. Consistent use of a house style

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| This is a homework task and you are expected to spend at least an hour on it. |

**What you should do (additional guidance):**

In preparation for next week, you need to do the following:

1. Complete all tasks
2. Ensure the table have a variety of data, this will assist greatly for the remainder of tasks within this unit of coursework