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| **Btec National Extended Diploma Level 3 in** **IT** | | |
| **Assignment no: 18.2**  **Assessment Title: Surf Shack Database Design** | | |
| Assessor: | Student: | Group: Level 3 Yr 2 |
| Unit Number: 18 | Unit Title: Database Design | |
| Hand out date: 26/11/19  Resubmission authorised by:  (BTEC only) | Hand in date: 12/12/19  Resubmission hand in date: | Date handed in:  Date handed in: |

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| **Scenario**  **Assignment Brief: - Surf Shop Scenario**  You are a freelance website/software developer living and working in the North Devon area. You have already completed work for the local surf shop to showcase their products but now they would like a database to record customer orders that could be used in the shop.  **Client Objectives**  The client would like to start using a database for marketing purposes to be able to, for example, record customer orders, keep customer contact details and to be able to analyse sales trends.  **http://images.google.co.uk/url?source=imgres&ct=tbn&q=http://www.thelookoutcroyde.co.uk/images/images_surf_1.jpg&usg=AFQjCNFlM3vn3hqr6OjX_OC7Ypkcbr8EHAProducts**  The area attracts professional surfers because there are world class surfing beaches in the area and it attracts young professionals from London. This means that the shop stocks surfing equipment that can be used to an expert level but they also keep some stock for family use as the area attracts a lot of family holidaymakers.  **Task 1 – ERD**  You will need to create an Entity Relationship Diagram (ERD) with a list of the tables and attributes. Decide the relationships, table structures, fields and properties needed. Create the ERD and get it signed off by your lecturer before proceeding to the next task.  **Task 2 – Data Dictionary**  Next you will need to create a data dictionary for each table, ensuring all the field names, primary and foreign keys, data types, length and any validation is accurately recorded. Templates are on the VLE  **Task 3 – Form Designs**  Next design suitable data entry forms for at least 2 of your tables and your menu (with macro buttons to enable queries/reports to be run and forms to be opened), giving a consistent corporate style to the database, which incorporate features to ensure the validity and integrity of data. |

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| **What to hand in:**   1. ERD 2. Data dictionaries 3. Form designs |

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| **How to hand in your assessment**  e.g. This assessment must be handed into / uploaded to the VLE assignment page by the hand in date on the front of the assignment brief. If you have a valid reason why you will not be able to hand in the work on time you will need to fill out and hand in an AE form to your assessor or the Head of School. |

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| **Student declaration:**  I have read the Assignment Submission Procedure. I agree that this is my own work or my own work and that of other members of my group. It has not been copied (plagiarised) from any other source e.g. the internet, a book, another student or group of students. I know that I may FAIL this assignment if the Head of School proves that this is not my own work. | | | |
| Student signature |  | Date: |  |

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| **Student feedback on what you liked and/or disliked about this assessment.**  Option 1 – delete this box if not using. | |
| **Answer Yes or No to the questions.** | |
|  | Yes / No |
| I enjoyed the task. |  |
| I understood the task. |  |
| The deadline was realistic. |  |
| I had enough support. |  |

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| **Student feedback on what you liked and/or disliked about this assessment.**  Option 2– delete this box if not using. |

For staff use only.

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| **Internal Verification** | This assessment has been verified and form IV8 completed: | IV name:  Emma Wellington | IV signature:  Emma Wellington | Date:  02/09/19 |

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| **SMOG index:** | 18.2 |

Test for readability on scenario and tasks only OR workbooks tasks. Appropriate scores are: L3 = 16; L2 = 13/14; L1 = 11/12; entry level = 9/10

Link here: <http://www.readabilityformulas.com/free-readability-formula-tests.php>

**Assessor marking grid**

**Student name:**

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| Grading criteria | Grading criteria | Achieved  Not submitted  Fail  Resubmission | Comments/Feedback | Target date  for resubmission  (BTEC FE only - within 15 working days of receipt of results of assessment) |
| P2 | Design a relational database for a specified user need |  |  |  |
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| P6 | Include an advanced feature in a database design |  |  |  |
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| **General comments and feedback on English and maths** |

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| ***Actual Grade*** | ***Grading criteria*** | *P2* | *P6* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***Achieved?*** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Please note that the grade that you have been awarded is subject to confirmation following internal verification and external sampling by the Awarding Body.

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| I certify that the evidence submitted for this assignment - either via the VLE or other method - is the learner’s own. The learner has clearly referenced any sources used in the work. I understand that false declaration is a form of malpractice. |

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| Assessor signature: | Date marked: |