Digital Technologies

Learner Name	
Course	Pearson BTEC Higher National Certificate in Computing
Awarding Body	BTEC (Pearson)
Module Name(s)	Unit 4 – Database Design & Development (2019 rev)
Assignment Title & Number	Assignment 2 of 2
Assessor's Name	John Terry
Hand out Date	W/C 30th March 2020
Hand in Date	22nd June 2020
Feedback Date	+3 weeks

Assessment Brief IQA by: *(Name & Signature)*		Assessment Brief sample by Lead IQA: *(Name & Signature)*	
Date:	?/?/2020	Date	
Specific outcomes and criteria being assessed			
Module	Grading Criteria	Description	
4	P4 (LO3)	Test the system against user and system requirements.	
4	M4 (LO3)	Assess the effectiveness of the testing, including an explanation of the choice of test data used.	
4	D2 (LO2&3)	Evaluate the effectiveness of the database solution in relation to user and system requirements, and suggest improvements.	
4	P5 (LO4)	Produce technical and user documentation.	
4	M5 (LO4)	Produce technical and user documentation for a fully functional system, including diagrams showing movement of data through the system, and flowcharts describing how the system works.	
4	D3 (LO4)	Evaluate the database in terms of improvements needed to ensure the continued effectiveness of the system.	

English, maths and other Skills for Success covered in this assignment	English Written reports and presentations.	Maths -	Skills for Success Describing and explaining concepts
Learner submission sampled by IQA: (Name and signature)		Learner submission sampled by Lead IQA: (Name and signature)	
Date		Date	

COPYING DISCLAIMER

I confirm that all the work contained in this assignment, being presented for assessment, is my own work.

I also confirm that I have not copied this work from other people's papers, electronically from their disk, from textbooks, CD ROM or from the Internet.

I also understand that if I hand in an assignment that has work in it that has been copied, this will be subject to disciplinary action and may cause me to lose my place on the course.

Student Signature:		Date:	

Assessor declaration	I certify that the evidence submitted for this assignment 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.		
Assessor signature	John Terry	Date	
Date of feedback to learner			
Resubmission authorisation by Lead Internal Quality Assurer*		Date	

* All resubmissions must be authorised by the Lead Internal Verifier. Only one resubmission is possible per assignment, providing:
- The learner has met initial deadlines set in the assignment, or has met an agreed deadline extension.
- The tutor considers that the learner will be able to provide improved evidence without further guidance.
- Evidence submitted for assessment has been authenticated and accompanied by a signed and dated declaration of authenticity by the learner.

**Any resubmission evidence must be submitted within 10 working days of receipt of results of assessment.

Vocational Scenario

MK Coding Solutions Ltd. are involved in a project to create the back-end systems for a food aggregation service called FaceFiller. You have been provided with a specification from which you were able to design and develop your database. Now you must test, document and evaluate your solution.

Task 1	Grading Criteria Covered: Unit 4: P4 (LO3) Test the system against user and system requirements. Unit 4: M4 (LO3) Assess the effectiveness of the testing, including an explanation of the choice of test data used.
Evidence	Test Plan & Report
You have been asked to test the database once completed. Create a test plan that tests the various functions of the database as well as testing the validation, form UI and reporting. Include test data in your table and show screen shots of testing.		

Task 2	Grading Criteria Covered: Unit 4: P5 (LO4) Produce technical and user documentation. Unit 4: M5 (LO4) Produce technical and user documentation for a fully functional system, including diagrams showing movement of data through the system, and flowcharts describing how the system works.
Evidence	Technical Document
You have been asked to create technical documentation of your solution along with user documentation. You may take parts of assignment 1 for some of your documentation of the system. Include schemas, E-R diagrams, validation rules, form and report designs etc as well as the technical environment/tools used.		

Task 3	Grading Criteria Covered: Unit 4: D2 (LO2&3) Evaluate the effectiveness of the database solution in relation to user and system requirements, and suggest improvements. Unit 4: D3 (LO4) Evaluate the database in terms of improvements needed to ensure the continued effectiveness of the system.
Evidence	Evaluation Documentation Document
Provide a minimum 2 page evaluation of: • The effectiveness of the database solution in terms of user requirements • The effectiveness of the database solution in terms of system requirements • The database overall in terms of improvements that could be made/are needed to ensure continued effectiveness (think about scalability)		

Feedback

Module Number	Criteria included in this assessment		Met or Not Met	Comments
Task 1				
4	P4 (L03)	Test the system against user and system requirements.		
4	M4 (LO3)	Assess the effectiveness of the testing, including an explanation of the choice of test data used.		
Task 2				
4	P5 (LO4)	Produce technical and user documentation.		
4	M5 (LO4)	Produce technical and user documentation for a fully functional system, including diagrams showing movement of data through the system, and flowcharts describing how the system works.		
Task 3				
4	D2 (LO2&3)	Evaluate the effectiveness of the database solution in relation to user and system requirements, and suggest improvements.		
4	D3 (LO4)	Evaluate the database in terms of improvements needed to ensure the continued effectiveness of the system.		
Assessor's Feedback				
What Went Well? **Even Better If…** **SPaG & Maths Feedback**				
Assessor Signature:			**Date:**	
Student Signature:			**Date:**	

Student's Target (Student to complete from feedback)
Using the feedback provided, consider how you will improve the quality of your assessed work and identify targets to achieve this.
Signature: **Date:**