BTEC Assignment Brief

Qualification	Pearson BTEC Level 1/Level 2 First Certificate in Information and Creative Technology
Unit Title	Unit 10: Database Development
Learning aim(s)/objective(s)	Learning aim A : understand the uses of and tools/techniques used in databases
Assignment title	Unit 10 Assgt 1: The uses and features of databases
Assessor	
Start date	13/09/2021
Hand in deadline	01/10/2021

Vocational Scenario (or Vocational Context)	Gamer Zone is an established retail computer gaming company with 10 stores throughout the UK. It sells a vast range of retro computer games throughout its stores but as more of its sales are taking place online, it plans to reduce its 'bricks and mortar' outlets to reflect the change in its business model. Currently, Gamer Zone uses a combination of paper and spreadsheet systems to store and manage the information about its computer games stock, customers and all employee and financial information. Due to its increased online operations, the directors have decided to upgrade their current systems. The directors have decided not to replace all of their systems at the same time. They want to focus initially on a new and improved system that will securely record details of their computer game stock. This will allow time for staff to become confident in using the new system and software safely and securely before any other changes are made. As an IT employee of Gamer Zone, you have been asked to develop the new computer game stock system using a database.

Task 1:	**The Uses of and Tools/Techniques Used in Databases.** Before you create the computer game stock database system, your manager would like some information about how databases are used.

	She has asked you to investigate two different kinds of databases and to prepare a short presentation to discuss the strengths and weaknesses of both. The two databases should be designed for different purposes.
	
	Examples of the different uses a database can have are:
	
	• health (data – doctors, patients, appointments)
	• employment (data – name, payroll, department)
	• agencies (data – client, services, reservations)
	• sale of goods (data – orders, goods, invoices)
	• libraries (data – books, loans, members)
	• police (data – offenders, crime, officers).
	
	Create the presentation using Google Slides and Google Docs for the speaker's notes (these must be used to expand on the points shown on the presentation).
	
	Ensure the presentation explains:
	
	• the intended use of both databases
	• the features of both databases
	• how the tools and techniques of both databases are used e.g.
	    o table structures
	    o field characteristics
	    o validation rules
	    o indexing
	    o records
	    o forms
	    o sorting data
	    o relationships
	    o queries etc.
	
	You should also:
	
	• review how the tools/techniques of the databases could improve productivity, accuracy and usability
	• discuss the strengths and weaknesses of both databases.

Checklist of evidence required	• Google Slide Presentation • Full Speaker's Notes using Google Docs

Criteria covered by this task:	
Criteria reference	**To achieve the criteria you must show that you are able to:**
2A.P1	Explain the uses of databases and how the tools/techniques are used in two different databases.
2A.M1	Review how the tools/techniques are used in two databases to improve

	productivity, accuracy and usability.
2A.D1	Discuss the strengths and weaknesses of the databases.

	Books
Sources of information to support you with this Assignment	Allman, E., Jarvis, A., Kaye, A. and McGill, R. (2012) B and Creative Technology Student Book, Pearson Educa 44690-187-8)
	Websites
	https://www.advanced-ict.info/databases/db_index.htm
	Guidance on database applications from beginners to in
	Tutorial
	GCF Global: Access 2016 https://edu.gcfglobal.or

FOR 2012 L2 BTEC Firsts: If you have not achieved the Level 2 criteria, your work will be assessed to determine if the following Level 1 criteria have been met.	
Criteria reference	**To achieve the criteria you must show that you are able to:**
1A.1	Identify the uses of databases and how the tools/techniques are used in two different databases.