

ASSIGNMENT MATERIAL

A/618/7400: Database Design and Development

For use with the following qualifications:

- HTU Technical Degree in Information Sciences
- HTU B.Sc. Degree in in Information Sciences
- Pearson Level 4 HNC

Assignment Brief Number: 1

Version 2



Assessment Brief

Student Name/ID Number/Section	
HTU Course Number and Title	Database Design and Development 10204282
BTEC Course Number and Title	Database Design and Development A/618/7400
Academic Year	Spring 2022/2023
Assignment Author	Dr. Salem Alemaishat
Unit Tutor	Dr. Raneem Qaddoura Eng. Lina Hammad Dr. Salem Alemaishat Dr. Rami Ibrahim Eng. Bassam Al-Kasasbeh Eng. Aisha Al-Sadi
Assignment Title	Designing a Database System
Assignment Ref No.	No. 1
Issue Date	March 30, 2023
Formative Assessment Dates:	9-13/4/2023
Submission Date	April 18, 2023
IV Name & Date	Dr. Abdullah Alamareen 24-03-2023

Submission Format

The assignment should be submitted to the university's eLearning system within the deadline specified above from the link: <https://elearning.htu.edu.jo>. The assignment is in the form of a report that follows the below guidelines, and contains the sections described in the assignment brief. In your report, you should make use of headings, paragraphs, and subsections as appropriate. The expected word limit is 5000-10000 words, although you will not be penalized for exceeding the total word limit, do your best to be within the word limit. Your report should be:

- In a form of Docx soft copy submitted to the university's eLearning system.
- Written in a formal business style using single spacing and font size 12, of times roman.
- Must be supported with research and referenced using the Harvard referencing system.

Unit Learning Outcomes

LO1 Use an appropriate design tool to design a relational database system for a substantial problem.

Assignment Brief and Guidance

Scenario:

You have the position of Junior Database Developer for an IT company that provides solutions to health institutions. The company builds and implements products and services to embrace a wide range of modern technologies and open-source technologies.

The company has signed a contract with a local hospital that provides different medical services. Your responsibility as a Junior Developer is to design a database based on the requirements that need to be gathered from the clients as part of the contract.

You are assigned to produce a comprehensive design for a fully functional system which includes interface and output designs, data validations and data normalization. You should provide the needed design as a report including requirement gathering and database design. The report should show the design of the relational database system using appropriate design tools and techniques. It should contain at least four interrelated tables. It also should show a clear statement of user and system requirements. In your report, you should evaluate the effectiveness of the database design in relation to user and system requirements.

Learning Outcomes and Assessment Criteria

Pass	Merit	Distinction
LO1 Use an appropriate design tool to design a relational database system for a substantial problem.		
P1 Design a relational database system using appropriate design tools and techniques, containing at least four interrelated tables, with clear statements of user and system requirements.	M1 Produce a comprehensive design for a fully functional system which includes interface and output designs, data validations and data normalization.	D1 Evaluate the effectiveness of the design in relation to user and system requirements.

STUDENT ASSESSMENT SUBMISSION AND DECLARATION

When submitting evidence for assessment, each student must sign a declaration confirming that the work is their own.

Student name:		Assessor name:	
Issue date: March 30, 2023	Submission date: April 18, 2023	Submitted on:	
Program: Computing			
Course Name: Database Design and Development			
HTU Course Code: 10204282		BTEC UNIT: 4	
Assignment number and title: No. 1 Designing a Database System			

Plagiarism

Plagiarism is a particular form of cheating. Plagiarism must be avoided at all costs and students who break the rules, however innocently, may be penalized. It is your responsibility to ensure that you understand correct referencing practices. As a university level student, you are expected to use appropriate references throughout and keep carefully detailed notes of all your sources of materials for material you have used in your work, including any material downloaded from the Internet. Please consult the relevant unit lecturer or your course tutor if you need any further advice.

Student declaration

I certify that the assignment submission is entirely my own work and I fully understand the consequences of plagiarism. I understand that making a false declaration is a form of malpractice.

Student

Date