

Module ICT3715

2022

INFORMATION AND COMMUNICATION TECHNOLOGY PROJECT

ASSIGNMENT 4 | RUBRIC

Examination | November 2022

STUDENT NUMBER (Student completes)									
6	0	3	1		6	9	5		0

IDENTITY NUMBER (Student completes)													
9	6	0	3	3	0	5	0	2	8	0	8	8	

Telephone number (*only in exceptional instances where we need to contact you*)

Instructions for the student:

Instruction(s)	Note(s)
Complete pages 3 - 6	
Save the completed document to PDF format.	Use Filename: StudentNumber_ICT3715_November_2022 Example: 12345678_ICT3715_November_2022
This Rubric will be used during the Examination by the Examiner to mark your Practical System.	

Instructions for the student:

Instruction(s)
Insert on this page a copy (image) of your ID Document or Driver License or Passport or Student Card.



Instructions for the student:

Instruction(s)
Student completes the following:
1. Programming Language(s) used
2. Database used
3. Describe your backup process that you have put in place for the database
4. Describe your recovery process that you have put in place to recover the database

1. Programming Language(s) used
Php – for Backend
Bootstrap and JQuery – For the user interface
JavaScript

2. Database used
MySQL Database

3. Describe your backup process that you have put in place for the database
Store CSV to cloud / Store the SQL file to cloud: cloud storage platforms are much more of a safer place to store data as oppose to having the data saved in a memory stick or local pc HDD so I will use cloud storage platforms like google drive or dropbox to store the database records
Hosting Provider backup: instead of just having the database on a local computer one may use hosting providers as they assist with backing up database for a certain amount and are very efficient.
Exporting database: Saving Data from the database, the rows of data will be exported to a file known as the CSV file to have a copy of the future data that may be used on phpMyAdmin platform for MySQL database.

4. Describe your recovery process that you have put in place to recover the database
To recover the data, I will import the .sql or .csv file that was backedup /saved in my local machine or cloud in order to get the data that was lost


PLAGIARISM PLEDGE BY THE STUDENT

Refer to:

<https://www.unisa.ac.za/sites/myunisa/default/Assignments-&-Examination/Assignments/Plagiarism>

<https://www.unisa.ac.za/sites/myunisa/default/Study-@-Unisa/Student-policies-&-rules>

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Yes	No	
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✓		2. I understand Unisa's plagiarism policy.
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✓		6. I undertake to avoid copying directly, plagiarism and patch writing.
✓		7. All academic work, written or otherwise, that I submit is expected to be the result of my own skill and labour.
✓		8. I understand that, if I am guilty of the infringement of breach of copyright/plagiarism or unethical practice, I will be subject to the applicable disciplinary code as determined by Unisa.
✓		9. The examiner has the right to refuse to assess the system if plagiarism is detected.

Student Names	Lehlohonolo
Student Surname	Macheru
Student number	60316950
Student Signature	
Date	31/10/2022

The Examiner will not be able to mark your practical system without this signed plagiarism page!!

This Sections to follow will be marked (completed) by the Examiner

Practical System Component	Maximum Mark	Mark Awarded	Mark Indication		Note(s)
Documentation and Preparation	17				
Code	2		0	not available	
			1	does not meet minimum requirements	
			2	complete and meet minimum requirements	
User Manual	2		0	not available	
			1	does not meet minimum requirements	
			2	complete and meet minimum requirements	
Installation Manual	2		0	not available	
			1	does not meet minimum requirements	
			2	complete and meet minimum requirements	
Backup and Recovery of Database [Refer to page 3 - 4]	3		0	not available	
			1	does not meet minimum requirements	
			3	complete and meet minimum requirements	
Professional Impression	3		0	not on time	
			1 – 2	on time but not ready for examination	
			3	dressed according, on time and practical system ready for examination	
Sufficient preparation done for the evaluation (e.g., guiding document, steps to follow, data to use [student numbers – passwords – Module Codes ...], etc.)	5		0	not sufficient, unorganized	
			1	available, but unorganized	
			2	available, but did not cover all the requirements in this rubric	
			3 - 5	sufficient, organized	

Question 1	MIS Reports
Login to the dashboard and display the MIS Reports to the Examiner	
Explain the MIS Reports to the Examiner	
Show the output of the MIS Reports to the Examiner	

Practical System Component	Maximum Mark	Mark Awarded	Mark Indication		Note(s)
MIS Reports	20				
Daily MIS Report	5		0 - 2	0 - no report. 1 - report is created but does not reflect the data correctly. 2 - only a long list of data is displayed.	
			3 - 4	3 - meets minimum requirements and student can provide evidence on how the report was created (SQL: tables, fields, etc.). 4 - meets requirements and student can provide evidence on how the report was created (SQL: tables, fields, etc.).	
			5	report exceed minimum requirements and can assist the Exam Department in making predictions and use it for future planning	

Weekly MIS Report	5		0 - 2	0 - no report. 1 - report is created but does not reflect the data correctly. 2 – only a long list of data is displayed.	
			3 - 4	3 - meets minimum requirements and student can provide evidence on how the report was created (SQL: tables, fields, etc.). 4 - meets requirements and student can provide evidence on how the report was created (SQL: tables, fields, etc.).	
			5	report exceed minimum requirements and can assist the Exam Department in making predictions and use it for future planning.	
Another MIS Report	5		0 - 2	0 - no report. 1 - report is created but does not reflect the data correctly. 2 – only a long list of data is displayed.	
			3 - 4	3 - meets minimum requirements and student can provide evidence on how the report was created (SQL: tables, fields, etc.). 4 - meets requirements and student can provide evidence on how the report was created (SQL: tables, fields, etc.).	
			5	report exceed minimum requirements and can assist the Exam Department in making predictions and use it for future planning.	

Another MIS Report	5		0 - 2	0 - no report. 1 - report is created but does not reflect the data correctly. 2 – Only a long list of data is displayed.	
			3 - 4	3 - meets minimum requirements and student can provide evidence on how the report was created (SQL: tables, fields, etc.). 4 - meets requirements and student can provide evidence on how the report was created (SQL: tables, fields, etc.).	
			5	report exceed minimum requirements and can assist the Exam Department in making predictions and use it for future planning.	

Question 2	User Interfaces
Login and create examination session for a Module for today [if not already existing]	
Time slot for the examination session for the Module must be between 9H00 – 14H00 for the day of the examination session	
Duration of the examination session must be 2 hours [thus from the student starts the examination session the student has 2 hours to complete the examination session] = Timer	
Login as the student and complete the examination session for the Module for today	

Practical System Component	Maximum Mark	Mark Awarded	Mark Indication		Note(s)
Graphical User Interfaces (GUI)	18				
User (Student) Student taking the upload file examination!!	8		0 - 1	0 - no applicable front-end. 1 - GUI not correctly interacting with the practical system and database.	
			2	GUI interacting correctly. Dropdowns available.	
			3 - 4	3- 4 above and data validation fields, Student number or myLife e-mail.	
			5	5 - above and data validation using REGEXP for email.	
			6 8	complete the examination session. e-mail confirmation send to the student.	
User (Lecturer) Set up examination session for the file upload examination	5		0	no applicable front-end	
			1 - 2	GUI not correctly interacting with the practical system and database	
			3 – 5	GUI interacting correctly. time slots and duration of the examination sessions correct. dropdowns available. validation.	

User (Exam Department) Set up examination session for the file upload examination	5		0	no applicable front-end	
			1 - 2	GUI not correctly interacting with the practical system and database	
			3 – 5	GUI interacting correctly. time slots and duration of the examination sessions correct. dropdowns available. Validation.	

Question 3	Database
Explain the structure of the database [3NF]	
Show the information of the examination that was taken by the student for today (during your examination demonstration)	
Show where your files were uploaded on the system (your computer)	
Login to show your MIS Reports again	
Show the MIS Reports again to indicate that the MIS Reports have been updated with the new data in the database	

Practical System Component	Maximum Mark	Mark Awarded	Mark Indication		Note(s)
Database	17				
Database correctly setup Data cleansed and imported from the Spreadsheets. All the tables included in the database	5		0 - 1	0 - unable to provide access to the database. 1 - database is not setup to reflect 3NF.	
			2	database is setup to reflect 3NF and referential integrity enforced (PKs and FKs)	
			5	database is correctly setup and data imported from spreadsheet	

Update of Database	12		0	no updating of the database	
			1 -4	data updates but there are errors and inconsistencies	
			5 – 8	student can show the uploaded files and the data that is stored in the database	
			9 - 12	updates and inserts correctly reflecting in the database and reports	

Question 4	Backup and Recovery of the Database
Explain and show how your backup and recovery work for your database	

Practical System Component	Maximum Mark	Mark Awarded	Mark Indication		Note(s)
Backup and Recovery	5				
Backup (for the client) correctly implemented	3		0	no backup plan implemented	
			1	backup must be done manually	
			2 – 3	backup automated (either from desktop or within system)	
Recovery (for the client) correctly implemented	2		0	no recovery plan implemented	
			1	recovery must be done manually	
			2	recovery automated (either from desktop or within the system)	

This Section will be marked by the Examiner when evaluating the documentation and your code received.

Practical System Component	Maximum Mark	Mark Awarded	Mark Indication		Note(s)
Technical	23				
Level of programming applied	8		0 - 1	coding copied and pasted from other sources without referencing or adapting for this project and scope. programming not on 3rd year level.	
			2 - 3	programming has lots of errors and system crashes. programming is sufficient.	
			4 8	OO programming implemented. programming exceeds the requirements.	
Algorithms and functions used	5		0	no algorithms or advanced coding applied	
			5	examples of advanced algorithms and functions included. regular expressions used to validate data. auto generated messages, warnings, etc..	
General look and feel of the practical system	10		1 - 5	the practical system meets the minimum requirements.	
			6 – 10	the practical system exceeds the minimum requirements.	

This Section to be completed by the Examiner, Second Examiner and or the Moderator

Examiner Name & Surname

Examiner Signature

Date:

Moderator Name & Surname

Moderators Signature

Date:

Comments from the Examiner / Moderator:
