Module ICT3715

INFORMATION AND COMMUNICATION TECHNOLOGY PROJECT

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| STUDENT NUMBER (Student completes) | | | | | | | | | |
| 5 | 1 | 1 | 5 |  | 2 | 1 | 7 |  | 7 |

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| IDENTITY NUMBER (Student completes) | | | | | | | | | | | | |
| 7 | 9 | 0 | 9 | 2 | 3 | 5 | 5 | 3 | 5 | 0 | 8 | 0 |

No handwritten assignments will be accepted.

**INSTRUCTIONS:**

Complete this Front Page (page 1)

Complete the Plagiarism Pledge (page 2). Your assignment will not be assessed without this.

After you have completed the front page with your information, the plagiarism pledge, and Assignment 1 with Section A to D, save the document as a PDF document.

Keep a copy of the original should there be problem with the upload.

PLAGIARISM PLEDGE BY THE STUDENT

1. I have read Unisa’s plagiarism policy.
2. I understand Unisa’s plagiarism policy.
3. I agree to abide by Unisa’s plagiarism policy.
4. I have read the direct copying, plagiarism, and “patch-writing” document.
5. I understand what direct copying, plagiarism, and “patch-writing” is.
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 marker has the right to refuse to assess the assignment and the system if plagiarism is detected.

Student name and Surname: Tshililo Theophelus Makhado

Student number: 51152177

Student signature: TTM Date: 10/02/2023

**Assignment 1 [848033]**

|  |  |
| --- | --- |
| **Due date** | Wednesday, 18 May 2022, 11:00 PM |

**Notes:**

This is a compulsory assignment. The assignment contributes to 30% of your year mark.

**System | Online examination file submission system**

Due to the pandemic, the University of South Africa (UNISA) has decided to **conduct all examinations in an online environment.**

The **purpose of this project** is then to look at the digital environment and **design and develop a simulation of such a system, using the real-life scenario and environment.**

You thus have to design and develop an online examination file submission system, that can be presented to the University to be used as an alternative to the current system.

**Note**: You are not allowed to develop any other system or use any other data that was not prescribed or provided to you.

The outcome of this assignment will form part of the design, development, and implementation

of the database and the system. Your implementation effort will be greatly reduced if you take care with the preparation phases of the system.

**Instructions:**

* Make sure that you did complete the instructions on page 1 of this document
* Complete the header and footer with your own information
* Add your practical system content to the document
* Remove everything that is in brackets []
* Make sure that your Table of Content is updated
* Save the document as PDF, e.g., 12345678\_ICT3715\_01.pdf, (replace 1234568 with your student number)
* When you are done submit via myModules 2022 on the Module Site under Assignment 1

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# Assignment 1

## Section A [4]

### Programming Languages (2)

PHP, JavaScript, jQuery, Bootstrap, Fusion Charts

### Database (2)

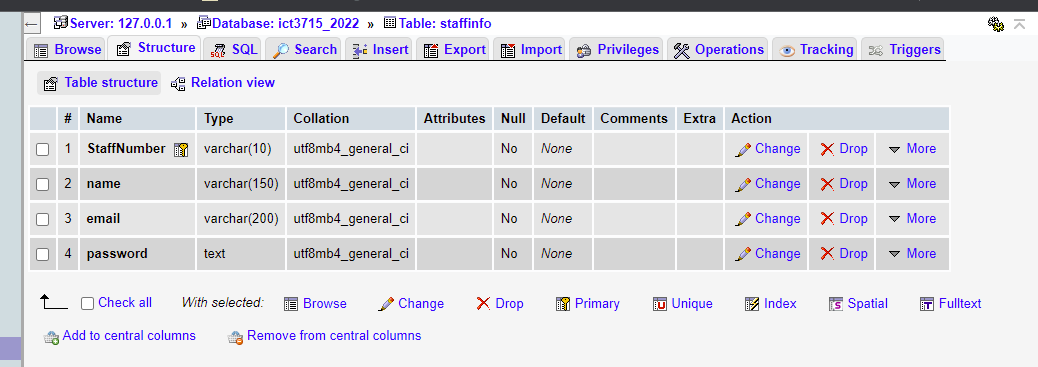
MySQL, PHPMyAdmin, MariaDB

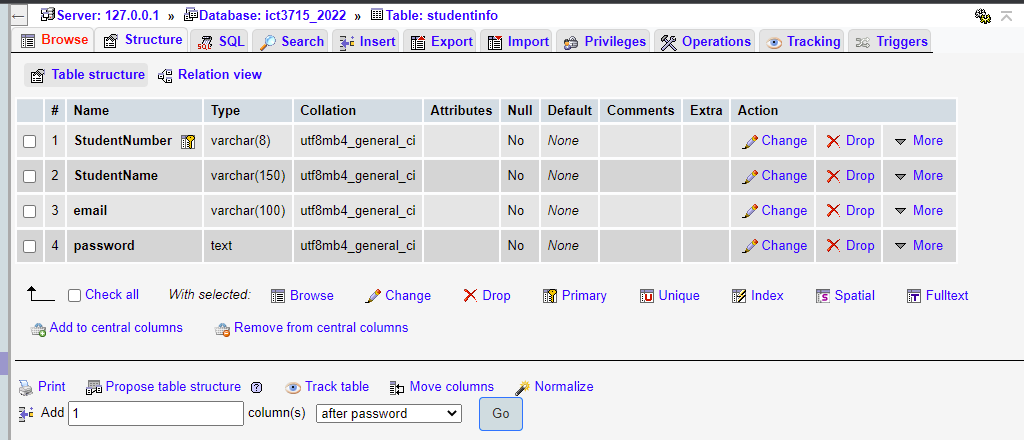
## Section B [10]

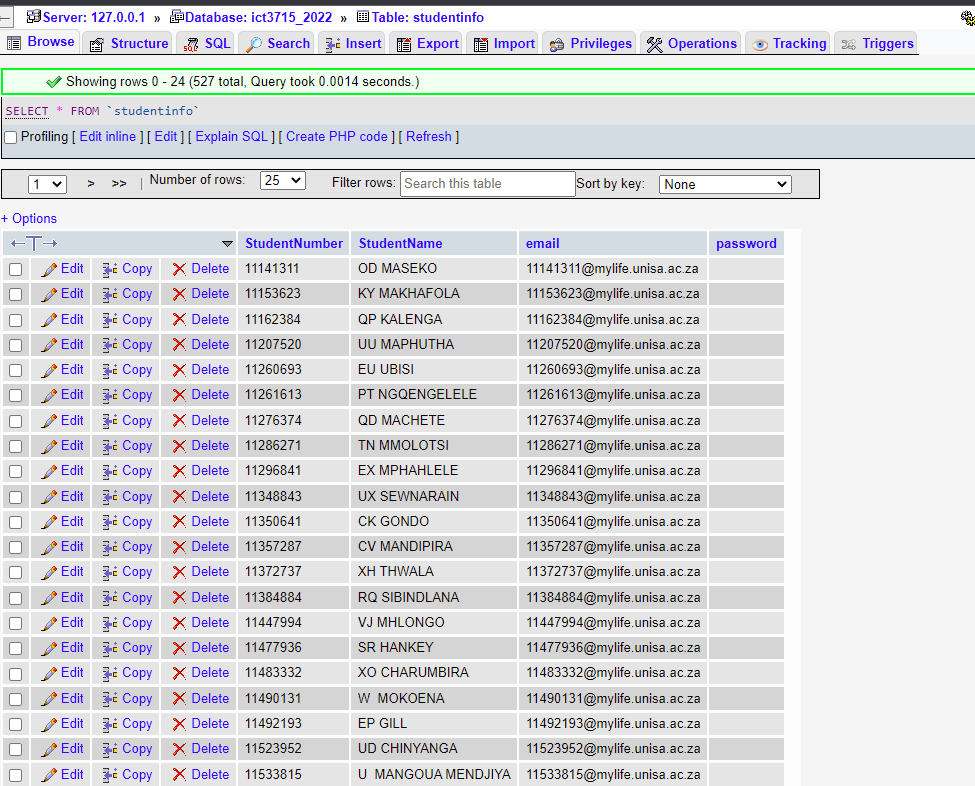
### Cleaning the data

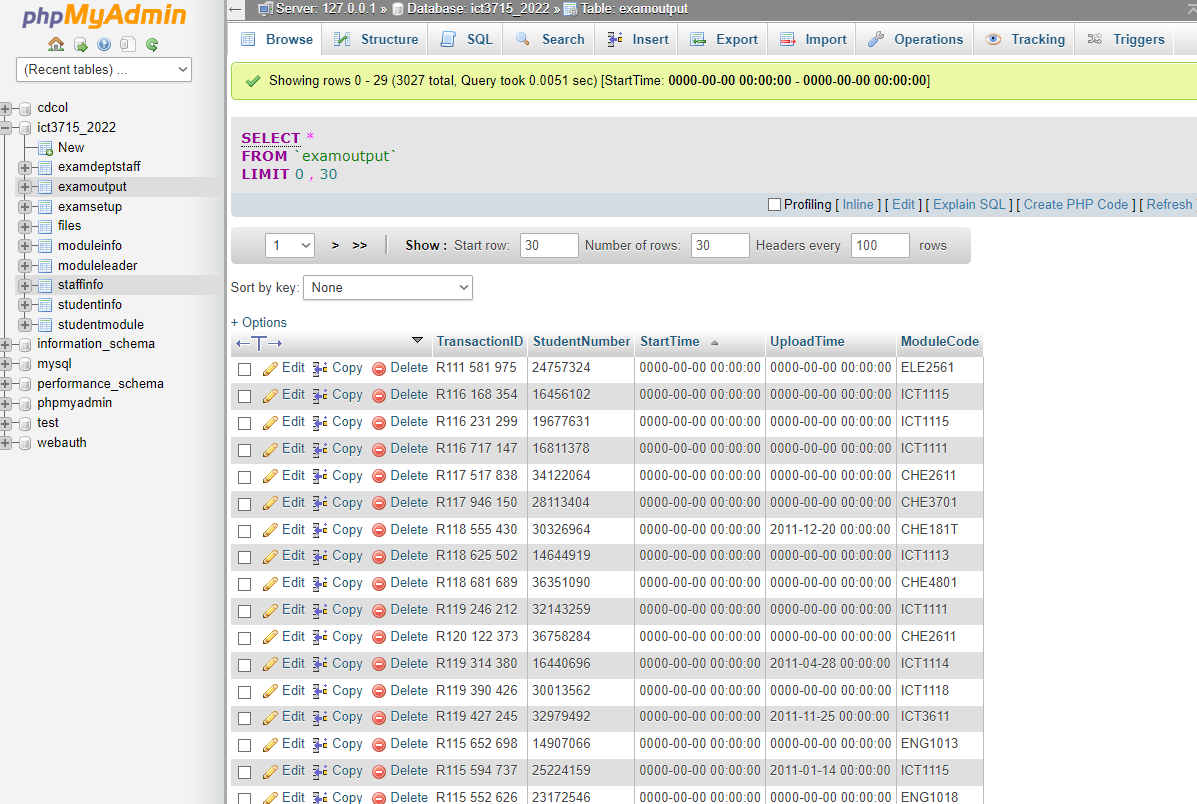
[Download the data file from Additional Resources on the myModules 2022 Site]

[Add a column in your Table for the Staff member (this is the lecturer or the staff member from the Exam Department) password and the Student password]









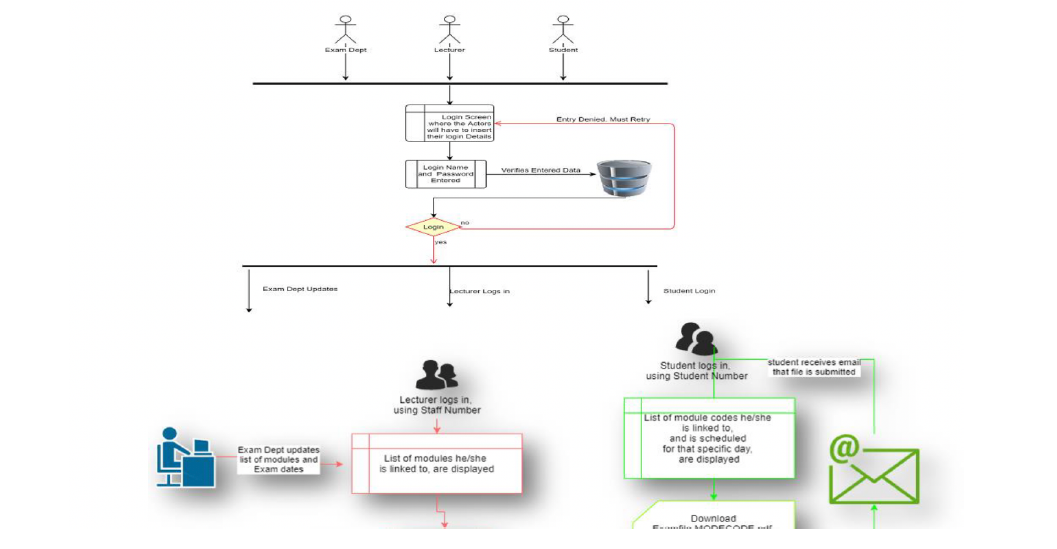
Graphical user interface, text, application, Word

Description automatically generated

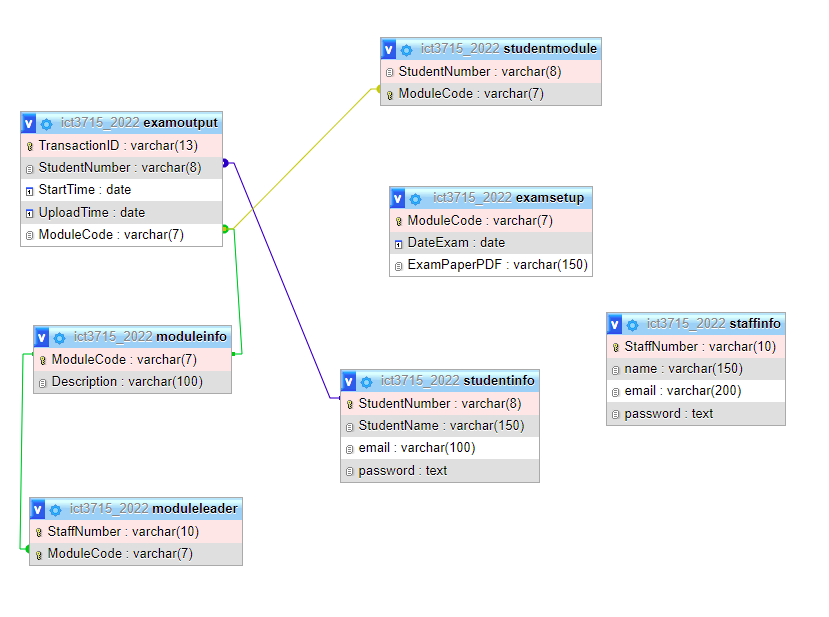


## Section C [10]

### Activity Diagram (7)



### ERD Diagram (3)



## Section Backup and Recovery for the Database and Programming code [6]

### Backup and Recovery Software for the Database (3)

GitHub, 000Webhost, mySQLWorkBench, dbForge

GitHub – is a provider of Internet hosting for software development and version control using Git. It offers the distributed version control and source code management functionality of Git, plus its own features.

000Webhost - Free web hosting tends to be so limited in capabilities and features that users must pay to get what they need. However, 000webhost is a free website hosting solution that provides an array of valuable features, including a website builder, WordPress support, and no ads.

mySQLWorkBench - MySQL Workbench is a visual database design tool that integrates SQL development, administration, database design, creation, and maintenance into a single integrated development environment for the MySQL database system.

### Backup and Recovery process for the Programming code and your Portfolio (assignments) (3)

Google Drive, OneDrive, 000Webhost

Google Drive - is a file storage and synchronization service developed by Google. Google Drive allows users to store files in the cloud, synchronize files across devices, and share files.

Microsoft OneDrive is a file hosting service operated by Microsoft. It enables registered users to share and synchronize their files. OneDrive also works as the storage backend of the web version of Microsoft Office.