PHINMA ARAULLO UNIVERSITY

College of Information Technology and Engineering

Bachelor of Science in Information Technology

Final Project in
ITE 031, ITE 300, ITE 083 and ITE
298

In Partial Fulfillment of the Requirements for Final Project of Data Structures and Algorithms,
Object Oriented Programming, IT Project Management, and Information Management

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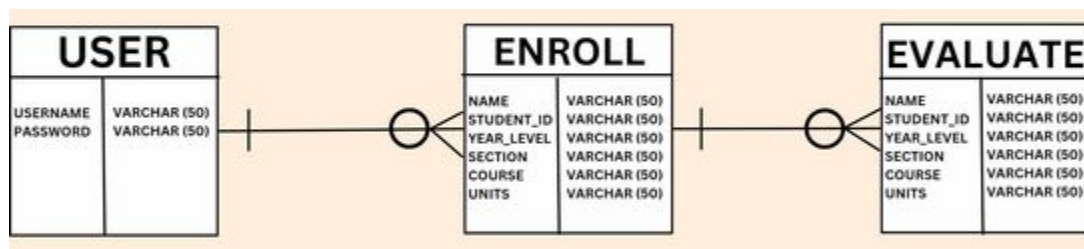
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Introduction

The use of a "student evaluator" technique helps teachers identify areas where students excel and those where there is room for improvement. It also shows the units that the student has been learning. In order to determine how each student's behavior changes throughout the course of their academic career, educational evaluation involves collecting and analyzing data. The ongoing process of evaluation is more concerned with a student's informal academic development than their official academic success. Developers created the "Student Evaluator System" to make it simpler for administrators and teaching members to acquire information about student evaluations. This system will monitor students' information and history. The system can be used to ensure a smooth registration process because it will provide all the data needed to enroll a student, including their name, student ID, course, year level, and topics to enroll in.

Entity Relationship Diagram

An illustration of a problem domain that is being modelled is called an entity relationship diagram. A "one is to many" entity relationship diagram is present in this evaluator system. Due to its link to enroll, and enroll's one-to-many relationship with evaluation, the user has a one-to-many relationship.

Data Listing

Admin Table

The admin table has two columns: "Username" and "Password." It is both a varchar data type with 50 characters. The default values for the username and password are the Collation 'utf8mb4_general_ci' and the characters 'none' and 'not_null'.

Student Table

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
☐ 1	name	varchar(50)	utf8mb4_general_ci		No	None			✏ Change ⊖ Drop More
☐ 2	student_id	varchar(50)	utf8mb4_general_ci		No	None			✏ Change ⊖ Drop More
☐ 3	year_level	varchar(50)	utf8mb4_general_ci		No	None			✏ Change ⊖ Drop More
☐ 4	section	varchar(50)	utf8mb4_general_ci		No	None			✏ Change ⊖ Drop More
☐ 5	course	varchar(50)	utf8mb4_general_ci		No	None			✏ Change ⊖ Drop More
☐ 6	units	varchar(50)	utf8mb4_general_ci		No	None			✏ Change ⊖ Drop More

Six columns make up the student table: name, student_id, year_level, section, course, and units. they all a varchar type of data type with 50 length. The Collation 'utf8mb4_general_ci' is the same for name, student_id, year_level, section, course, and units. "And they are all both not_null and defaulting to none."

Data Dictionary

A data dictionary is a list providing a description of tables, fields, and columns as well as a collection of metadata, including object name, data kinds, size, classification, and relationships with other data assets. A data dictionary's main objective is to aid in the understanding of data assets.

Admin

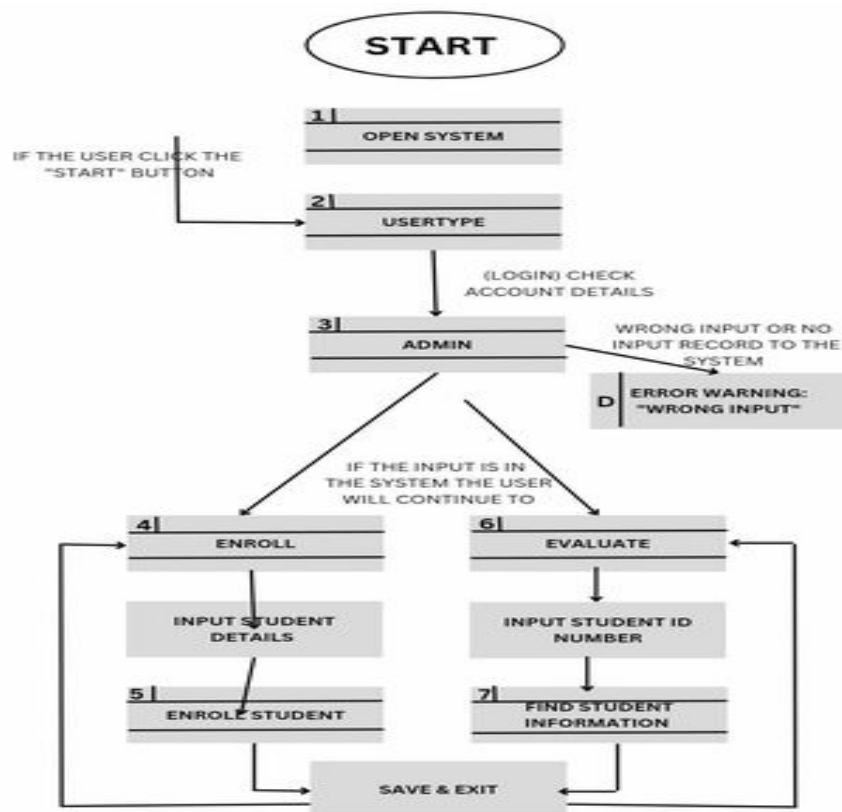| Column	Type	Size	Collation	Attributes	Null	Default	Comments
username	varchar	50	utf8mb4_general_ci		No	None	
password	varchar	50	utf8mb4_general_ci		No	None	

'Username' and 'Password' are the two columns in the admin table. It is both a 50-length varchar data type. Both the username and the password have the Collation 'utf8mb4_general_ci' and the characters 'none' and 'not_null' as their default values.

Student

Column	Type	Size	Collation	Attributes	Null	Default	Comments
name	varchar	50	utf8mb4_general_ci		No	None	
student_id	varchar	50	utf8mb4_general_ci		No	None	
year_level	varchar	50	utf8mb4_general_ci		No	None	
section	varchar	50	utf8mb4_general_ci		No	None	
course	varchar	50	utf8mb4_general_ci		No	None	
units	varchar	50	utf8mb4_general_ci		No	None	

 'Name','student_id', 'year_level','section', 'course', and 'units' are the six columns in the student table. They are all 50-length data types of the varchar variety. The Collation for name, student_id, year_level, section, course, and units is "utf8mb4_general_ci." They all have the default values "none" and "not_null," respectively.

Data Flow

Gantt Chart

TO-DO'S	Week 1	Week 2	Week 3
Planning	███		
Finding Reference	███		
Creating Mockup		███	
Implementing		███	
Coding			███
Designing			███
Testing			███
Presentation			█

 On October 13, 2023, the system was launched, and it ran until October 25, 2023. Planning for the output and design of the system began during the first week of the process of creating this student evaluation system. The developers begin gathering references and making mockups the same week. The following week, they begin implementing all of the information they have and begin coding and designing the system. In the final week, they test their work and present it to the panel of assessors.

Work Breakdown Structure

Student Evaluator System

Internet Data Center Construction	Requirements	System Encode	Execution

Internet Data Center Construction
- Construction
  - Design Detail
    - Site Construction

Requirements
- Data Base
  - Data Abstraction
    - Encapsulation

System Encode
- Student System

Execution
- System Test