

CODE 404

GROUP 4

ITE 014-IT22S1 - INFORMATION MANAGEMENT

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PROJECT TITLE

IMPLEMENTING AN AUTOMATED DATABASE SYSTEM FOR
EFFICIENT ENROLLMENT MANAGEMENT

COMPANY BACKGROUND

TTV INC

TVV INC is a software development company that provides efficient enrollment management solutions to educational institutions in the Philippines. Our innovative approach streamlines the process and ensures diverse and controllable data management for students. TVV's goal is to make enrollment more accessible, efficient, and environmentally friendly for everyone involved.

PROBLEM STATEMENT

The problem in the Philippines is that many schools are still using manual enrollment systems, resulting in errors, delays, and inefficiencies. This leads to frustrated parents, students, and teachers, negatively impacting the school's reputation. Additionally, manual systems require a lot of paperwork, which is not environmentally friendly. Therefore, there is a need for an automated enrollment management system that can reduce errors and delays, save time, and improve the overall enrollment process.

PROJECT DESCRIPTION

Our goal is to create a computerized system that will make it easy for students to enroll in schools here in the Philippines. With this system, students can register and enroll in a user friend system environment, without the need for physical paperwork. The system will include modules for student information, course selection, and class scheduling. The system will also have features for generating reports and analytics to help administrators make data-driven decisions.

PROJECT OBJECTIVES

- Development of an easy-to-use and user-friendly interface for the enrollment and viewing of information
- Adding a feature that will accept any format of the file that will be submitted online
- help provide a good and secure automated database for schools
- The Main Focus of our project is to provide a real-time data update

SIGNIFICANT OF THE STUDY

- School and other Educational Institutions - A system is being developed to improve student enrollment in educational institutions in the Philippines.
- Staff - The system will lessen staff workload and improve management assistance.
- Administrators - Administrators will benefit from reduced workload and improved enrollment process accessibility for remote students.
- Developers - They can broaden their programming and development knowledge through this project.

- Researchers - The study will enhance the researchers' critical thinking, teamwork, and coordination skills, resulting in a dynamic system and interesting research.
- Information and Communication Technology - The project also utilizes modern technology to innovate the conventional way of conveying, storing, and processing information
- Student's - To be able to access their personal information and status of enrollment

BUSINESS POLICIES

To ensure compliance with the Data Privacy Act of 2012 and other relevant laws and regulations, the following business policies will be implemented for the Efficient Enrollment Management project:

- Data collected from students during enrollment will be used solely for the purpose of academic and administrative processes.
- Access to the database will be restricted to authorized personnel only.

- Data will be stored and processed using secure and up-to-date technologies to prevent unauthorized access, disclosure, or destruction.
- Students have the right to access their personal data and to request corrections if necessary.
- The school will ensure that all personnel involved in handling student data are aware of their responsibilities and obligations under the Data Privacy Act and other relevant laws and regulations.

TABLE STRUCTURES

Table no.1

Table Name: School Year

Column Name	Data Type	Not Null?	Constraints	Sample Value
Schol_yr_ID	Number (5)	YES	Primary Key	101011
School_yr	VARCHAR(255)	YES	Primary Key	2022-2023

Table No: 2

Table Name: Students

Column Name	Data Type	Not Null?	Constraints	Sample Value
Student_ID	Number (5)	YES	Primary Key	101011
Last_name	VARCHAR(255)	YES	Primary Key	tredente
First_name	VARCHAR(255)	YES	Primary Key	jimuel
Gender	VARCHER(225)	YES	Primary Key	Male/ Female
Age	Number(2)	YES	Primary Key	22
Contact Number	Number(12)	YES	Primary Key	+639784512365

Table No: 3

Table Name: Enrollment

Column Name	Data Type	Not Null?	Constraints	Sample Value
Enrollment_ID	Number (6)	YES	Primary Key	220876
Student_ID	Number (6)	YES	Foreign key	110923
Course_ID	VARCHAR(255)	YES	Foreign key	ITE - 014
Program_Id	VARCHER(225)	YES	Foreign key	BSIT
Schoolyr_ID	VARCHER(55)	YES	Foreign key	2022-2023
Date	VARCHAR(55)	YES	Primary Key	01-24-2023 / January 24 2023

Table No: 4

Table Name: Courses

Column Name	Data Type	Not Null?	Constraints	Sample Value
Prorgram_Id	VARCHAR(55)	YES	Primary Key	BSIT
Course_Name	VARCHAR(55)	YES	Primary Key	Information Technology

Table No: 5

Table Name: Subjects

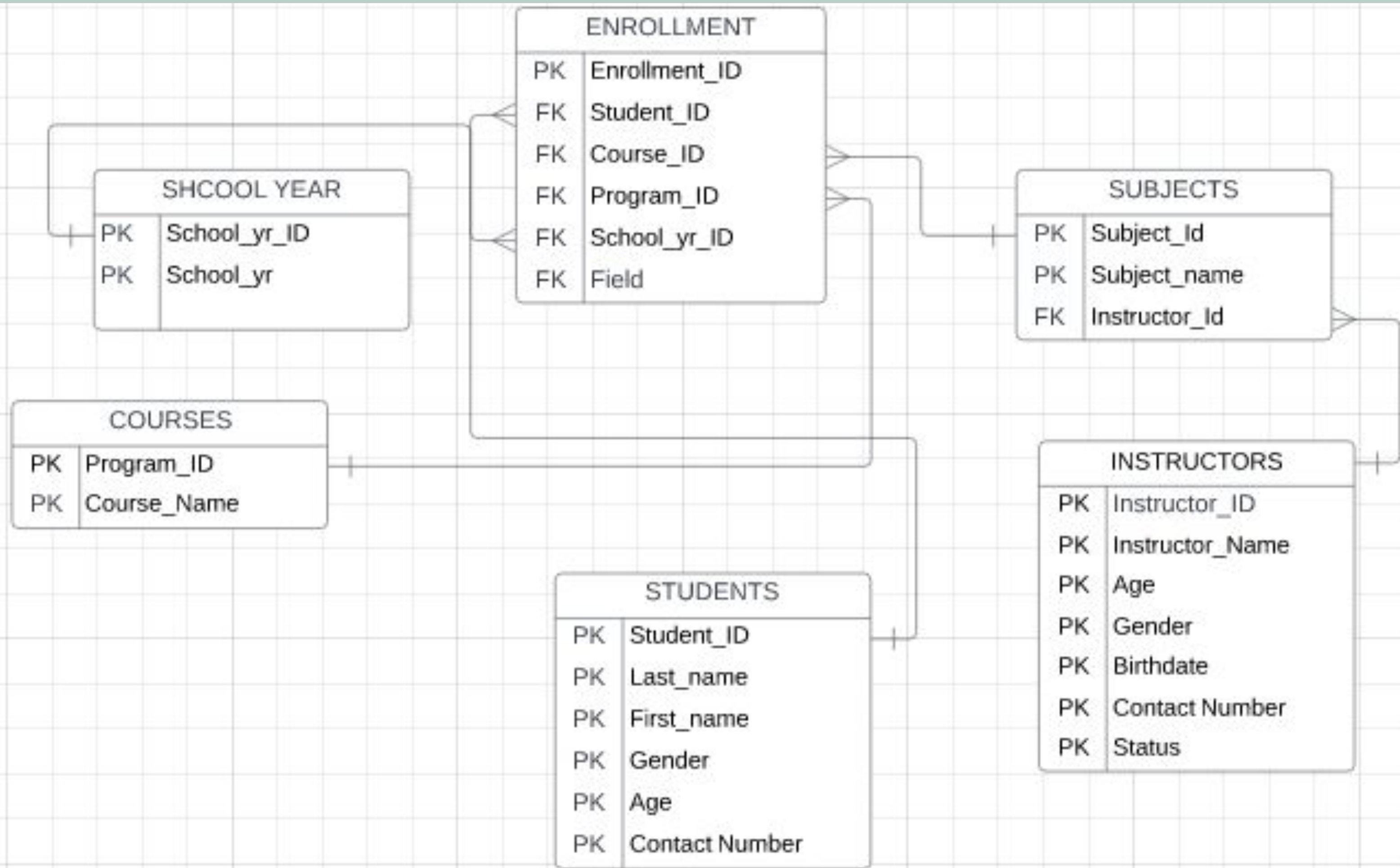
Column Name	Data Type	Not Null?	Constraints	Sample Value
Subject_Id	VARCHAR(55)	YES	Primary Key	ITE 012
Subject_name	VARCHAR(55)	YES	Primary Key	Information Management
Instructor_Id	VARCHAR(55)	YES	Foreign Key	140519

Table No: 6

Table Name: Instructors

Column Name	Data Type	Not Null?	Constraints	Sample Value
Instructor_ID	VARCHAR(55)	YES	Primary Key	ITE 012
Instructor_Name	VARCHAR(55)	YES	Primary Key	Ms. Rodanilla
Age	VARCHAR(55)	YES	Primary Key	140519
Gender	VARCHAR(15)	YES	Primary Key	Male
Birthdate	VARCHAR(15)	YES	Primary Key	January 1 1994
Contact Number	Number(12)	YES	Primary Key	+63939 334 6566
Status	VARCHAR(15)	YES	Primary Key	Single

DATA SCHEMA



REFERENCES:

Lavilles, R. Q., & Arcilla, M. J. B. (2012). Enrollment forecasting for school management system. International Journal of Modeling and Optimization, 2(5), 563.

https://www.researchgate.net/profile/Rabby-Lavilles/publication/266078510_International_Journal_of_Modeling_and_Optimization/links/618356413c987366c32325bc/International-Journal-of-Modeling-and-Optimization.pdf

Republic Act 10173 – Data Privacy Act of 2012. (2021, November 11). National Privacy Commission. <https://www.privacy.gov.ph/data-privacy-act/>

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THANK YOU!