



Student Management

Objective

To create Database, Tables, Triggers and procedures/ or Functions to manage Herzing College Programs.

Requirement

- Create ONE, ONLY **ONE**, .sql file for the user to run/install. **(5pts)**
- Create Database: Herzing_College
- Programs **(20pts)**
 - New classes begin on 1st Monday of September of each year (Bonus: alternatively, add 2nd Monday of March)
 - Add Program
 - Edit Program
 - Delete Program
- Students **(20pts)**
 - All the students you have added started Sept 2021
 - New students will be added according to next start day of program
 - At least 10 students/ program
- Student_profile **(10pts)**
- Student_invoice **(10pts)**
 - Balance should reflect: if the tuition is paid on monthly basis, consider all students have made all payments up to now & update balance accordingly
 - Add: used for penalties or fees to be added to the account
 - Edit: Process to make payment (take \$ value & update balance)
- Class Rooms **(10pts)**
 - Add
 - Edit
 - Delete
- Table Inputs at installation: **(10pts)**

Populate each table with minimum five inputs unless otherwise specified.

Programs

The following three programs are sufficient:

- Programming = 15 months, 20000\$, max 20 students/term
- Networking = 24 months, 15000\$, max 15 students/term
- Computer support = 12 months, 10000\$, max 10 students/term

Students

- At least 10 students/ program

NOTA BENE

1. The use of Prepared Statements, Stored Procedures, Stored Functions and Triggers is a total must.
2. Validation is necessary when adding and updating an entity

Database

- Tables
 - **Programs**
 - Class Room
 - Duration
 - Cost
 - Next Start date
 - **Students**
 - First Name
 - Last Name
 - DOB
 - Address
 - Phone
 - Email
 - Status [*Active, Graduated, Suspended*]
 - **Student Profile**
 - Enrolment Date
 - Program
 - **Student Invoice**
 - Invoice #
 - Balance
 - Status
 - **Class Rooms**
 - Room Number
 - Capacity
- Create a database diagram displaying all the tables and their relationships **(5pts)**

Teacher's Appreciation (10pts)