TeamOptimism_SP_Schema_01

Team Optimism - Senior Project

February 1, 2019

1   Schema

Create table Hygiene (
    Hygiene_question_1 int(10) not null,
    Hygiene_question_2 int(10) not null,
    Hygiene_question_3 int(10) not null,
    Hygiene_question_4 int(10) not null,
    Hygiene_question_5 int(10) not null,
    student_ID int(10) not null,
    score_hygiene int(10) not null)

Create table StudyHabits (
    StudyHabits_question_1 int(10) not null,
    StudyHabits_question_2 int(10) not null,
    StudyHabits_question_3 int(10) not null,
    StudyHabits_question_4 int(10) not null,
    StudyHabits_question_5 int(10) not null,
    student_ID int(10) not null,
    score_studyhabits int(10) not null

Create table Personal (
    Personal_question_1 int(10) not null,
    Personal_question_2 int(10) not null,
    Personal_question_3 int(10) not null,
    Personal_question_4 int(10) not null,
    Personal_question_5 int(10) not null,
    student_ID int(10) not null,
    score_personal int(10) not null)

Create table Visitors (
    Visitors_question_1 int(10) not null,
    Visitors_question_2 int(10) not null,
    Visitors_question_3 int(10) not null,
    Visitors_question_4 int(10) not null,

Visitors_question_5 int(10) not null,
student_ID int(10) not null,
score_visitors int(10) not null)

Create table Activities (
Activities_question_1 int(10) not null,
Activities_question_2 int(10) not null,
Activities_question_3 int(10) not null,
Activities_question_4 int(10) not null,
Activities_question_5 int(10) not null,
student_ID int(10) not null,
score_activities int(10) not null)
Create table Student (
student_ID int(10) not null,
First_name varchar(20) not null,
Last_name varchar(20) not null,
Email varchar(20) not null)

Student(<u>student_ID</u>, First_name, Last_name, Email)

Hygiene(Hygiene_question_1, Hygiene_question_2, Hygiene_question_3, Hygiene_question_4, Hygiene_question_5, student_ID, <u>score_hygiene</u>)

StudyHabit(StudyHabit_question_1, StudyHabit_question_2, StudyHabit_question_3, StudyHabit_question_4, StudyHabit_question_5, student_ID, <u>score_studyhabit</u>)

Personal(Personal_question_1, Personal_question_2, Personal_question_3, Personal_question_4, Personal_question_5, student_ID, <u>score_personal</u>)

Visitors(Visitors_question_1, Visitors_question_2, Visitors_question_3, Visitors_question_4, Visitors_question_5,student_ID, <u>score_visitors</u>)

Activities(Activities_question_1, Activities_question_2, Activities_question_3, Activities_question_4, Activities_question_5, student_ID, <u>score_activities</u>)

Requirements:

- Student has one first name, last name, email, and student ID. Each student is given an ID number to identify the student after their questionnaire is submitted. Each student can only submit one questionnaire.

- Hygiene is identified by the score for the hygiene questions of each student, and the student ID of each student. The hygiene portion of the questionnaire has five questions with equal weight when determining the hygiene score.

- Study Habits is identified by the score for the study habit questions of each

student, and the student ID of each student. The study habit portion of the questionnaire has five questions with equal weight when determining the study habit score.

- Personal is identified by the score for the personal questions of each student, and the student ID of each student. The personal portion of the questionnaire has five questions with equal weight when determining the personal score.

- Visitors is identified by the score for the visitor questions of each student, and the student ID of each student. The visitors portion of the questionnaire has five questions with equal weight when determining the visitors score.

- Activities is identified by the score for the activity questions of each student, and the student ID of each student. The activities portion of the questionnaire has five questions with equal weight when determining the activities score.

Constraints: In regards to constraints, each student must have a valid student ID number, along with a valid email. Each question in each portion of the questionnaire must be a valid number response (no zeroes or negative values). Each student ID can only appear once in the database.