

TeamOptimism_SP_Schema_02

Team Optimism - Senior Project

February 13, 2019

1 Schema

```
Create table Hygiene (  
  hygiene_ID int(10) not null,  
  student_ID int(10) not null,  
  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)
```

```
Create table StudyHabits (  
  studyhabits_ID int(10) not null,  
  student_ID int(10) not null,  
  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)
```

```
Create table Personal (  
  personal_ID int(10) not null,  
  student_ID int(10) not null,  
  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)
```

```
Create table Visitors (  
  visitors_ID int(10) not null,  
  student_ID int(10) not null,  
  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)
```

```
Create table Activities (  
    activities_ID int(10) not null,  
    student_ID int(10) not null,  
    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)
```

```
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,  
    score_visitors double(3,2) not null,  
    score_personal double(3,2) not null,  
    score_studyhabits double(3,2) not null,  
    score_hygiene double(3,2) not null,  
    score_activities double(3,2) not null)
```

2 Schema

Student(student_ID, First_name, Last_name, Email, score_hygiene, score_visitors, score_study, score_personal, score_activities)

Hygiene(score_hygiene, student_ID, Hygiene_question_1, Hygiene_question_2, Hygiene_question_3, Hygiene_question_4, Hygiene_question_5)

StudyHabit(score_studyhabit, student_ID, StudyHabit_question_1, StudyHabit_question_2, StudyHabit_question_3, StudyHabit_question_4, StudyHabit_question_5,)

Personal(score_personal, student_ID, Personal_question_1, Personal_question_2, Personal_question_3, Personal_question_4, Personal_question_5)

Visitors(score_visitors, student_ID, Visitors_question_1, Visitors_question_2, Visitors_question_3, Visitors_question_4, Visitors_question_5)

Activities(score_activities, student_ID, Activities_question_1, Activities_question_2, Activities_question_3, Activities_question_4, Activities_question_5)

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.
- Each question per category must be a int value, as the average score per category will not always be an integer value.

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.