CPSC 408 Assignment 2 Spring 2019

Overview:

For this assignment you need to create a python application, that connects to a sqlite database and performs basic database operations.

Develop the following Application/Database.

- 1. Create a Database(Schema) named StudentDB with the following schema
 - a. Relation/Table
 - i. Student (
 StudentId PK INT,
 FirstName varchar(25),
 LastName varchar(25),
 GPA Numeric,
 Major varchar(10),
 FacultyAdvisor varchar(25)
)
- 2. The application should be able to:
 - a. Display All Students and all their attributes.
 - i. Create the necessary SELECT statement to produce this result
 - b. Create Students
 - i. All attributes are **required** when creating new student.
 - ii. Please make sure to validate user input appropriately.
 - c. Update Students
 - i. Only the Major and Advisor attributes can be updated.
 - ii. Make sure you construct a proper UPDATE statement so that you don't update every record in the database.
 - d. Delete Students by StudentId
 - e. Search/Display students by Major, GPA and Advisor.
 - i. User should be able to query by the three aforementioned fields