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Final Design

My database will need to support an application used for Suicide Risk Assessments for troubled teen students. The assessments will consist of a series of questions. The database must support the storage of the questions and the answers, as well as the student information and administrator Information.

Furthermore the database should be able to satisfy queries such as:

Which tests the user has taken (Select)

* GetStudentTests.php

Insertion of answers into the Answers table (Insert)

* Question.php

Retrieval of the next question in the test (Select)

* TestQuestion.php

Insertion of a new testID into tests table (Insert)

* StartTest.php/TestQuestion.php

Deleting Administrators who no longer are admins (Delete)

* DeleteAdministrators.php

Updating the risk assessment for a student (Update)

* EditUser.php

**Entities**:

Answers

* AnswerID (PK)
* Value
* TestID
* QuestionID

Tests

* TestID (PK)
* Type
* StudentID

Questions

* QuestionID (PK)
* Type
* Value
* Test
* Color

Students

* StudentID (PK)
* FirstName
* LastName
* Age
* School
* RiskAssessment
* AdministratorID

Administrators

* AdministratorID
* FirstName
* LastName

**Relationships**:

There will be a 1 to many relationship between Administrators and Students

There will be a 1 to many relationship between Students and Tests

There will be a 1 to many relationship between Question and Answers

There will be a 1 to many relationship between Tests and Answers

