

Student (name, sId, major, password)  
 eGrade (Grade)  
 qGrade (correct)  
 Exam (eName, points, Date)  
 Question (point, question, number, Answer, eName)  
 Answer (number, eName, choice, value)  
 Teacher (tId, password)

Database  
changed

```
MariaDB [ejmoore]> describe eGrade \g;
```

Field	Type	Null	Key	Default	Extra
eName	varchar(255)	YES		NULL	

points	int(11)	YES		NULL	
grade	int(11)	YES		NULL	
sId	int(11)	YES		NULL	

4 rows in set (0.00 sec)

ERROR: No query specified

```
MariaDB [ejmoore]> describe Answer \g;
```

Field	Type	Null	Key	Default	Extra
number	int(11)	NO	PRI	0	
eName	varchar(20)	NO	PRI		
choice	char(1)	NO	PRI		
value	varchar(255)	YES		NULL	

4 rows in set (0.00 sec)

ERROR: No query specified

```
MariaDB [ejmoore]> describe Exam \g;
```

Field	Type	Null	Key	Default	Extra
points	int(11)	YES		NULL	
name	varchar(20)	NO	PRI		
cDate	datetime	YES		NULL	

3 rows in set (0.00 sec)

ERROR: No query specified

```
MariaDB [ejmoore]> describe qGrade \g;
```

Field	Type	Null	Key	Default	Extra
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sId	int(11)	NO	PRI	0		
eName	varchar(20)	NO	PRI			
number	int(11)	NO	PRI	0		
correct	tinyint(1)	YES		NULL		
points	int(11)	NO		NULL		

5 rows in set (0.00 sec)

ERROR: No query specified

```
MariaDB [ejmoore]> describe Question \g;
```

Field	Type	Null	Key	Default	Extra
question	varchar(255)	YES		NULL	
number	int(11)	NO	PRI	0	
correctAnswer	char(1)	YES		NULL	
point	int(11)	YES		NULL	
eName	varchar(20)	NO	PRI		

9 rows in set (0.00 sec)

ERROR: No query specified

```
MariaDB [ejmoore]> describe Student \g;
```

Field	Type	Null	Key	Default	Extra
sId	int(11)	NO	PRI	NULL	
name	varchar(20)	YES		NULL	
major	varchar(20)	YES		NULL	
ePassword	varchar(255)	YES		NULL	

4 rows in set (0.00 sec)

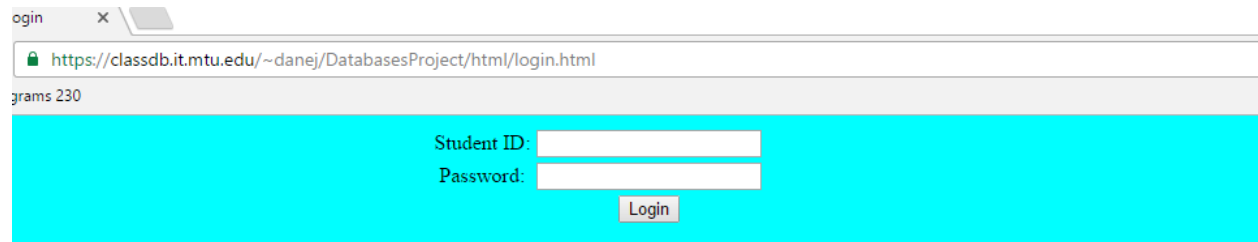
ERROR: No query specified

```
MariaDB [ejmoore]> describe Teacher \g;
```

```
+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| tId        | int(11)       | NO   | PRI | NULL    |      |
| ePassword  | varchar(255)  | YES  |     | NULL    |      |
+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)
```

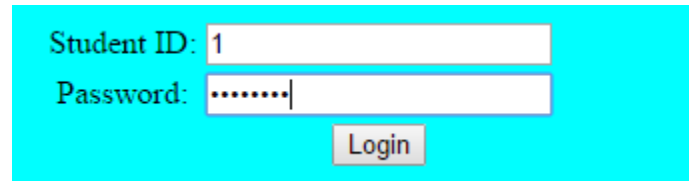
```
ERROR: No query specified
```

Go to the link: <https://classdb.it.mtu.edu/~danej/DatabasesProject/html/login.html>



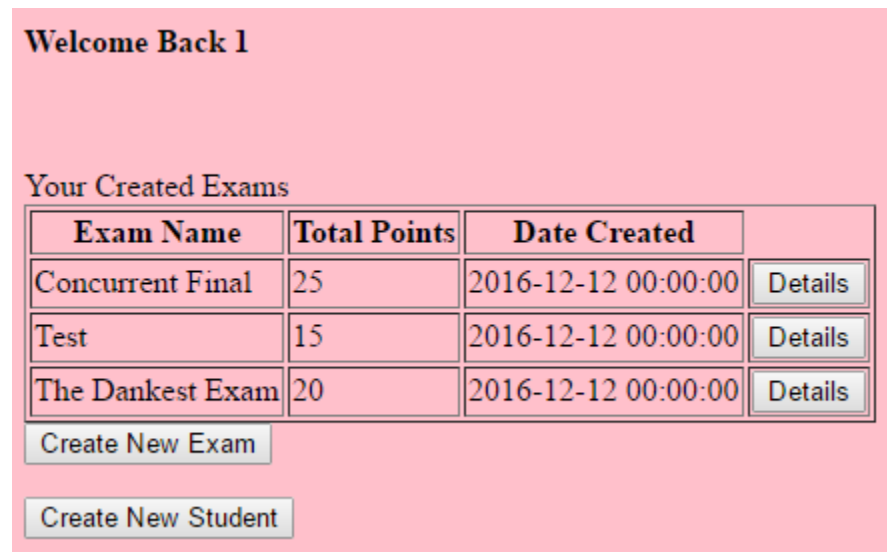
A screenshot of a web browser showing the login page. The address bar displays the URL <https://classdb.it.mtu.edu/~danej/DatabasesProject/html/login.html>. The page has a light blue background and contains two input fields: "Student ID:" and "Password:". Below these fields is a "Login" button.

To log into the teacher portal use ID: 1 and password: password



A screenshot of the login page with the "Student ID:" field containing the value "1" and the "Password:" field containing the value "password". The "Login" button is visible below the fields.

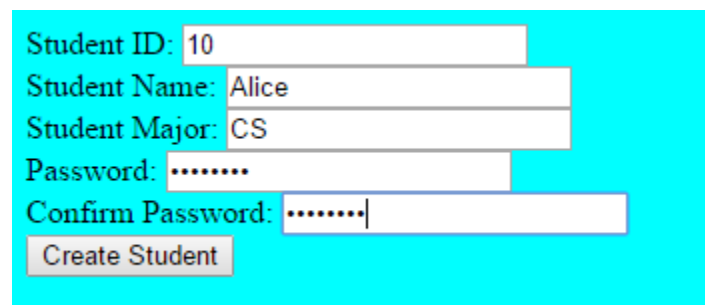
Select Login



A screenshot of the teacher portal dashboard. At the top, it says "Welcome Back 1". Below this, there is a section titled "Your Created Exams" which contains a table with three columns: "Exam Name", "Total Points", and "Date Created". The table lists three exams: "Concurrent Final" (25 points, 2016-12-12 00:00:00), "Test" (15 points, 2016-12-12 00:00:00), and "The Dankest Exam" (20 points, 2016-12-12 00:00:00). Each row has a "Details" button. Below the table are two buttons: "Create New Exam" and "Create New Student".

Exam Name	Total Points	Date Created	
Concurrent Final	25	2016-12-12 00:00:00	Details
Test	15	2016-12-12 00:00:00	Details
The Dankest Exam	20	2016-12-12 00:00:00	Details

Select Create New Student at the bottom



A screenshot of the "Create New Student" form. It contains five input fields: "Student ID:" (10), "Student Name:" (Alice), "Student Major:" (CS), "Password:" (password), and "Confirm Password:" (password). Below these fields is a "Create Student" button.

Type in the student information and select Create Student

## Welcome Back 1

### Your Created Exams

Exam Name	Total Points	Date Created	
Concurrent Final	25	2016-12-12 00:00:00	<a href="#">Details</a>
Test	15	2016-12-12 00:00:00	<a href="#">Details</a>
The Dankest Exam	20	2016-12-12 00:00:00	<a href="#">Details</a>

[Create New Exam](#)

[Create New Student](#)

Now select Create New Exam

Exam Name:

[Continue](#)

Name your exam

## Currently Adding Questions for Exam: Quiz77

Question:  Select the Correct Answer

Answer A:  ☐

Answer B:  ☐

[Add Another Choice](#)

Points:

[Next Question](#)

[Finish](#)

## Exam Currently Worth 0

## Currently Adding Questions for Exam: Quiz77

Question:	What does SQL Stand For?	Select the Correct Answer
Answer A:	Structural Query Language	<input checked="" type="radio"/>
Answer B:	Super Quiet Lions	<input type="radio"/>
Answer C:	No-SQL	<input type="radio"/>
Answer D:	SQL	<input type="radio"/>
	<input type="button" value="Add Another Choice"/>	
Points:	<input type="text" value="50"/>	<input type="button" value="Next Question"/> <input type="button" value="Finish"/>

## Exam Currently Worth 0

Fill out the form and either select next question or finish when you've entered the last question. (Next question will add the question, increment the total score, and then prompt you to enter another question with the same form)

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<https://classdb.it.mtu.edu/~danej/DatabasesProject/html/login.html>

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Student ID:	<input type="text"/>
Password:	<input type="password"/>
<input type="button" value="Login"/>	

Go back to the login screen and use the login credentials you used for the new student you created

## Welcome Back 10

Select an exam to take

Exam:

Exam Name	Grade / Points
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Use the Exam drop down to select which Exam you'd like to take (Probably the one you just created)

1.) What does SQL Stand For?

- ☐ Structural Query Language
- ☐ Super Quiet Lions

Go through the questions selecting Next Question when you're done with each question until you're redirected back to the user portal.

Select an exam to take

Exam:

Exam Name	Grade / Points	
Quiz77	50 / 50	<input type="button" value="Review"/>

From here you can take another exam or review the one you just took



Number	Question	Correct	Points
1	What does SQL Stand For?	Yes	50

[Back to User Portal](#)

When you select review, it will show you the questions you answered, how many points it was worth, and if you were correct or not.

At this point you've used most the features implemented. It's fairly intuitive how to use our website so any other test cases should be fairly simple to put together.