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Csc675
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CSC675 Final Project

COVER PAGE

Welcome to the guide to running the special database management web application. This special web application will enable users to login, sign up, search data, insert data, update data, delete data or even exit the application if it does not meet user expectations. So, come and test out the application now!

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For the User:

Hello, if you are a user, you are in the right place!

Whether you are a 70 year grandma, 12 year old child, 30 year old janitor, 25 year old doctor, you all are users and will have a great experience on this website! Many of you may have never heard of the term "SQL" or even database and some might sound very confusing since some of you. This is perfectly fine and this information is mainly for computer scientists and developers for applications. The most important thing to know is that you must run the application and login, sign up and test it out..

Should look at page 7.

For Developers, Professors, CS Students:

Run code if on Github:

#1 Type: git clone "repository name"

#2 Save it on the Desktop or wherever you want.

#3 CD into that directory

#4 Once you CD into that directory you should see files such as:

README.md, app.js, inserts.sql, databasemodel.sql, public, routes, package.json and many more…

App.js will run the application, and package.json contains necessary commands and deleting this can cause the program to crash and not run at all - please do not delete!

#5 once you are in the correct location or directory, move to the next step!

#6 Pay attention! Type this command to run the application! Do not miss this step or your application won't run and crash!

Type: npm start

What exactly does this do? This command exists inside the package.json file and will find this script file and find this command and run whatever is inside the quotations of "start": "whatever command is in here".

This will first install all the packages in the background automatically without typing any commands then run the sql files and run the application last.

Bugs:

If you typed in "npm start" installed all packages and it still crashed you can type in the next command:

Type: npm test

This should run your application if you already ran the command "npm start" in the terminal.

Here is a demonstration of running the application:

```
[(base) kevins-Air:desktop admin$ cd csc675-final
[(base) kevins-Air:csc675-final admin$ ls
README.md                inserts.sql              public
app.js                   node_modules             routes
apprun.sh                package-lock.json        views
databasemodel.sql        package.json
[(base) kevins-Air:csc675-final admin$ npm start

> csc675-final@1.0.0 start /Users/admin/Desktop/csc675-final
> npm install express && npm install body-parser && npm install express-session
&& npm install mysql && npm install ejs && ls && mysql --user='root' --password=
'password' < databasemodel.sql && node app.js

+ express@4.17.1
updated 1 package and audited 228 packages in 1.803s
found 0 vulnerabilities

+ body-parser@1.19.0
updated 1 package and audited 228 packages in 1.7s
found 0 vulnerabilities

+ express-session@1.17.1
updated 1 package and audited 228 packages in 1.885s
found 0 vulnerabilities

+ mysql@2.18.1
updated 1 package and audited 228 packages in 1.431s
found 0 vulnerabilities


> ejs@3.1.3 postinstall /Users/admin/Desktop/csc675-final/node_modules/ejs
> node --harmony ./postinstall.js

Thank you for installing EJS: built with the Jake JavaScript build tool (https:/
/jakejs.com/)

+ ejs@3.1.3
updated 1 package and audited 228 packages in 2.002s
```

```
[(base) kevins-Air:csc675-final admin$ npm test

> csc675-final@1.0.0 test /Users/admin/Desktop/csc675-final
> node app.js

The Server Has Started!
Connected to csc690db SQL Database.
```

After running npm start, you get an error, run "npm test" to run the actual application incase of a bug.

Warning: Type in terminal: "npm start" if you are running for the very first time. And Type: "npm test" if you are running the applications multiple times over and over again.

About the message in output: csc690 is not the official database name, this is only a sample output after running the application. Has been tested for different database names such as: csc 676, csc 700 and etc also...

Proceed to the next page for further instructions:

When you click "Home" Should appear like this:
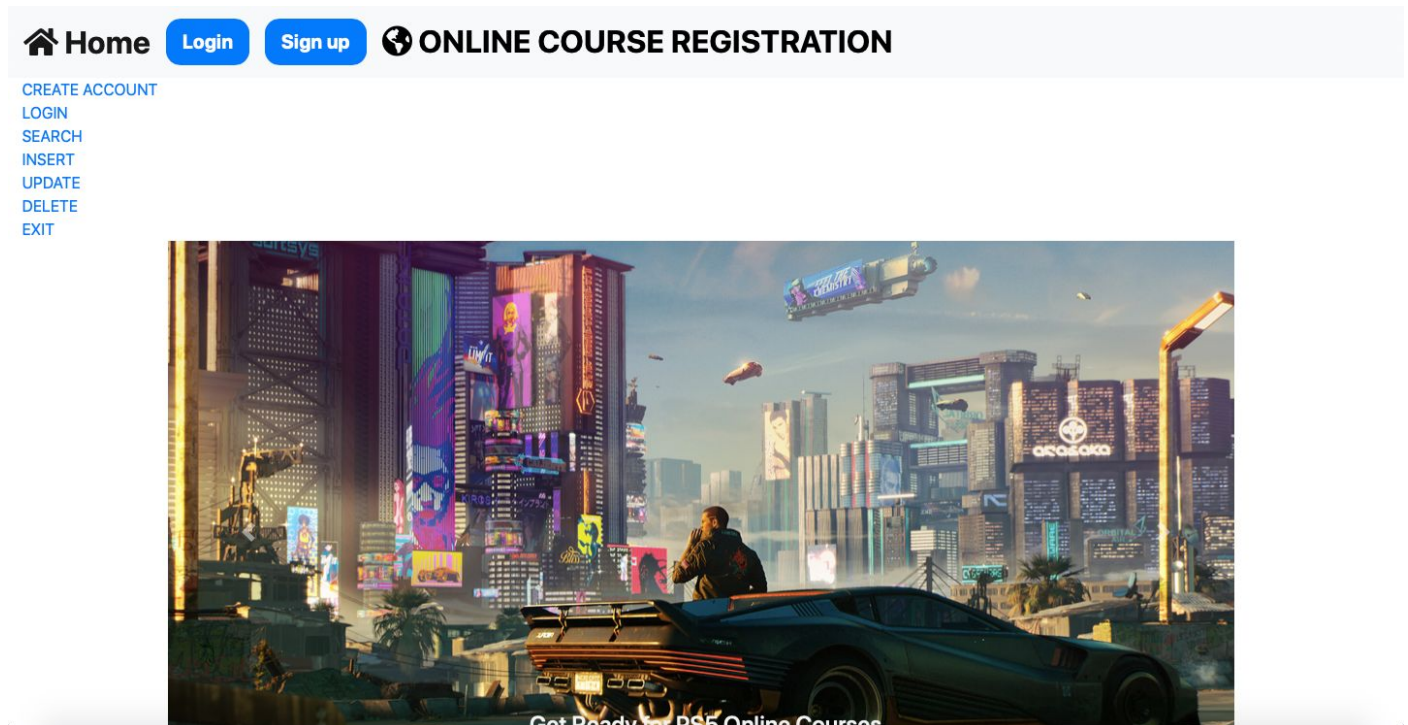
When you click CREATE ACCOUNT should look like this:

When you click LOGIN:

When you click SEARCH:

🏠 Home **Login** **Sign up** 🌐 **ONLINE COURSE REGISTRATION**

CREATE ACCOUNT
LOGIN
SEARCH
INSERT
UPDATE
DELETE
EXIT

Search	Search

Enter a Table name to search:

TYPE	#	NAME	INSERT HERE
Table	0	Account	+ [Insert Here]
Table	1	Admin	+ [Insert Here]
Table	2	Auditorium	+ [Insert Here]
Table	3	BankAccountPayment	+ [Insert Here]
Table	4	Cafeteria	+ [Insert Here]
Table	5	Certificate	+ [Insert Here]
Table	6	Classroom	+ [Insert Here]

For INSERT, the page will be the same, except you can click the + [INSERT HERE] link, will redirect you to somewhere to INSERT new information.

When you click UPDATE:

CREATE ACCOUNT
LOGIN
SEARCH
INSERT
UPDATE
DELETE
EXIT

Enter a Entity - For Example User, School, Teacher etc:

Search

Field and value are showed on the bottom like this - field: value - like - firstname : 123

What is exactly a field? This is a field to filter your search result. For example: firstname

Enter a field below:

Search

Enter old value below:

Search

What is exactly a value? For Example: John, 21, 25, july, sfstate, etc

Enter new value below:

Search

Update this result

Here are the tables to edit:

Table 0 = Account - Value is whatever you choose. For example of field: firstname,lastname,balance,language_id

Table 1 - Admin - Value is whatever you choose. For example of field: firstname,lastname,language_id

When you click DELETE:

⌂ Home Login Sign up 🌐 ONLINE COURSE REGISTRATION

CREATE ACCOUNT
LOGIN
SEARCH
INSERT
UPDATE
DELETE
EXIT

Enter a Entity - For Example User, School, Teacher etc:

Search

Field and value are showed on the bottom like this - field: value - like - firstname : 123

What is exactly a field? This is a field to filter your search result. For example: firstname, lastname

Enter a field below:

Search

What is exactly a value? For Example: John, 21, 25, july, sfstate, etc

Enter value to delete below:

Search

Delete this result

Here are the tables to edit:

Table 0 = Account - Value is whatever you choose. For example of field: firstname,lastname,balance,language_id

Table 1 = Admin - Value is whatever you choose. For example of field: firstname,lastname,language_id

When you click EXIT:

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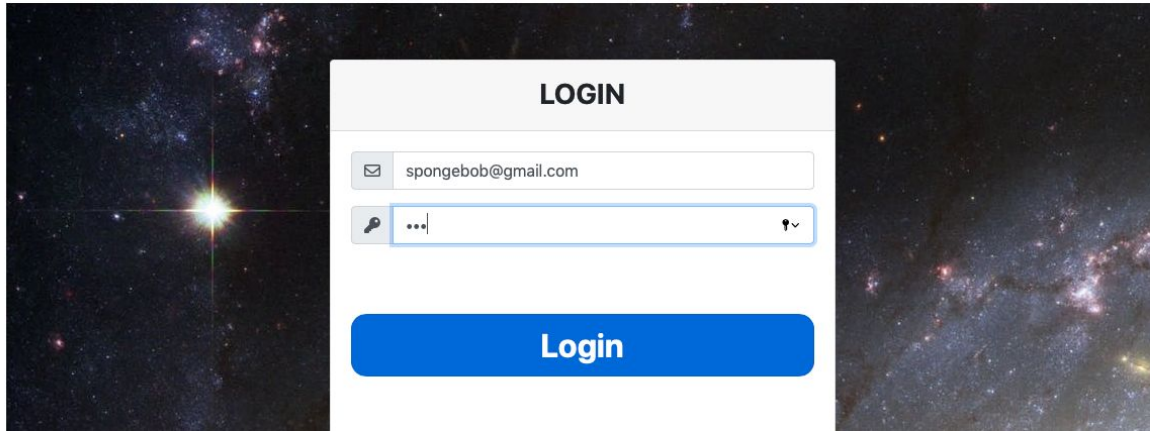EXIT MODE ACTIVATED

Filling out the sign up form:

Login with same info:

After logged in:
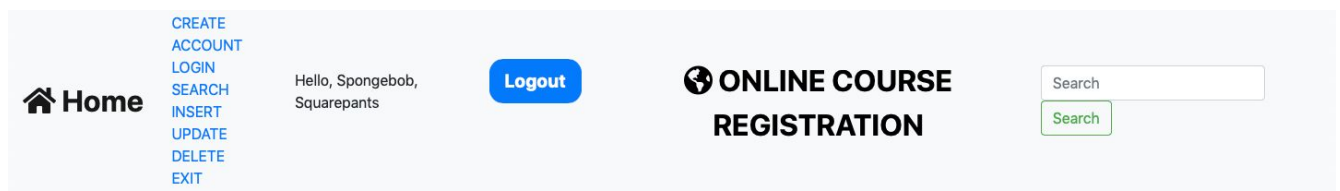
Now you can logout…

On search page can type in this (type in user):

⌂ Home [Login] [Sign up] ⊕ **ONLINE COURSE REGISTRATION**

CREATE ACCOUNT
LOGIN
SEARCH
INSERT
UPDATE
DELETE
EXIT

| user | ⊗ | Search |

Enter a Table name to search:

TYPE	#	NAME	INSERT HERE
Table	0	Account	+ [Insert Here]
Table	1	Admin	+ [Insert Here]
Table	2	Auditorium	+ [Insert Here]
Table	3	BankAccountPayment	+ [Insert Here]
Table	4	Cafeteria	+ [Insert Here]

Should be like this:

CREATE ACCOUNT
LOGIN
SEARCH
INSERT
UPDATE
DELETE
EXIT

[Go Back to List of Tables]

| user | ⊗ |

Field and value are showed on the bottom like this - field: value - like - firstname : 123

What is exactly a field? This is a field to filter your search result. For example: firstname

Enter a field below:

| Search |

What is exactly a value? This is a value for your filtered search result. For Example: John

Enter a value below:

| Search |

[Filter Search]

user_id :1, firstname : Spongebob , lastname : Squarepants , email : spongebob@gmail.com , language_id :12, password : 123

Click filter result:

Go Back to List of Tables

user

Field and value are showed on the bottom like this - field: value - like - firstname : 123

What is exactly a field? This is a field to filter your search result. For example: firstname

Enter a field below:

firstname

What is exactly a value? This is a value for your filtered search result. For Example: John

Enter a value below:

spongebob

Filter Search

user_id :1, firstname : Spongebob , lastname : Squarepants , email : spongebob@gmail.com , language_id :12, password : 123

Should be like this:

Go Back to List of Tables

user_id :1, firstname : Spongebob , lastname : Squarepants , email : spongebob@gmail.com , language_id :12, password : 123

Now we can test update, we are updating spongebob:

DELETE
EXIT

Enter a Entity - For Example User, School, Teacher etc:

user

Field and value are showed on the bottom like this - field: value - like - firstname : 123

What is exactly a field? This is a field to filter your search result. For example: firstname

Enter a field below:

firstname

Enter old value below:

spongebob

What is exactly a value? For Example: John, 21, 25, july, sfstate, etc

Enter new value below:

rickandmorty

Update this result

It has been updated:

Go Back to List of Tables

Attempted to process an update... Being Updated Thank you.

Go back to search, type in "user" you should find that it is updated!

user_id :1, firstname : rickandmorty , lastname : Squarepants , email : spongebob@gmail.com , language_id :12, password : 123

Deleting something:

Go Back to List of Tables

Attempted to process a DELETE REQUEST... Being Deleted Thank you.

When you type in "user" in search, should show no results at the very bottom:

Go Back to List of Tables

user   ⊗
Field and value are showed on the bottom like this – field: value – like – firstname : 123

What is exactly a field? This is a field to filter your search result. For example: firstname

Enter a field below:

Search

What is exactly a value? This is a value for your filtered search result. For Example: John

Enter a value below:

Search

Filter Search