

Bonus Materials

MySQL, and PDO

Code Walkthrough -

Code Walkthrough -

Practice Quiz:

PDO

Assignments

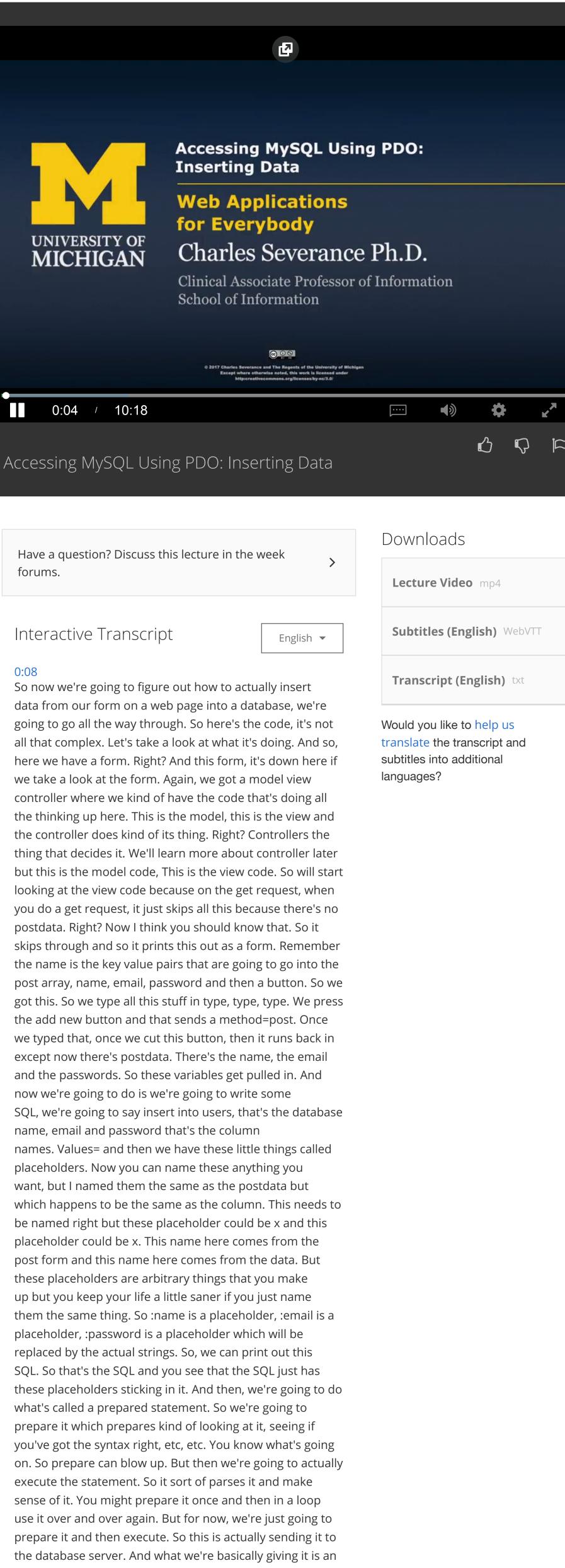
Inserting and Deleting Data

Security and SQL Injection

9 min

8 min

5 questions



array execute the parameter so execute we pass in an

array. This is the array, pass in with the string with the

this here's going to be Fred, this here is going to be

corresponding place in the query and then run the

query. Okay? So that's what that's doing, to prepare

placeholder :name mapped to the actual string we want. So

Fred@. And this is going to be one, two, three or whatever it

is. So what that says is take these values, stick them in the

execute. So it's what's called a prepared statement. And if

you're going to use the placeholders, you'll notice we didn't

do this before we just ran the query and that's because we

wanted to substitute. So they prepare execute is the pattern

didn't have placeholders, we didn't have values that we

substitute. And so, we can do that and we can insert a

bunch of users over and over and over again. Okay. So we

can combine kind of the last two things by having sort of

the add new user form that makes this user. And we can

have the model up here. This is the code from the previous

one where we just checking to see if we're in the middle of a

post that comes from the add new and puts those things in

button and then go look in phpMyAdmin to see if it showed

up. We can actually just have an SQL statement that is going

sample bits of code ago where we do selecting print all this

poof! It shows up at the bottom and that's quite easy and

quite natural. I'll show you in another video the exact demo

of how this works. So now let's talk about deleting users, so

that's how you do inserts and selects member doing CRUD

create, read, update and delete. So we have to do delete. So

the first thing about delete is you do not want to do a delete

perspective, you see how often if you hit a delete button like

a little trash can or something or a little trash can you hit

sure? So often what they're doing is this is a get request

that's going to show you a thing and then this is going to

make when you hit this button that's going to be a post

request, because if you remember getting post in the rules

of getting post, you're not supposed to change anything on

a get. You're only supposed to change it on a post because

don't let you double post etc, etc. Okay? So, we're going to

put up a screen that's going to give us a key that we want

a post, so then, when we hit this button it comes in and

runs this stuff. And so, if it's a get request it just comes

comes in here and runs the stuff. So it's really

deleted in a field, then we're going to hit the button and it's

through here and displays the screen. If it's a post request it

simple. Delete from users where user ID= and then you just

have a placeholder. In this case I'm using :zip because you

can make the placeholder be anything you want. Okay. So

then I'll print that out, I'll prepare the SQL and then I say I

replaced by whatever that user ID is, in this case the 4 is

going to go in there. So this runs SQL, delete from users

it goes. Okay? So you start to see the pattern, it's like, you

prepare, you do execute and execute you tell what you

combine all this stuff together and I put a little delete

button. And so eventually you'll have prettier user

want to put in each of the placeholders. Right? So it deletes

it, and it's gone. And so I can actually in this user3, I sort of

experience but I want to make it so that if I press this delete

button this guy gets wiped out, if I press the add button this

guy gets added, there's a new one, so I can have add and

show you how that ultimately happens. Everything is the

same in this user3.php. I have the controller code, the view

code up here. Right? The view codes up here and that's the

do, everything else is the same except this little bit right

here. What I have here is I have, this as a form and when I

form, this is a form, this is a form and that's a form. So let

me show you how I construct that form. Okay? So, if you

look this, the table cells, the name is one cell, the email is

another cell, the password is another cell and then this is

that last cell, this is kind of like the action column. And in

that cell, I print out a little form, form method=post. Input

type=hidden. So an input type=hidden is like a text but the

user never sees it. And I say name=user id value=. And then

the primary key of the row. So I've added that I want to also

and I got it with arrows and less thans and new lines and all

that stuff. Now I have a little delete button which you do see

and has a little value of Del on it and then I have the end of

the form. And so that's how I end up with a form over and

of this particular form, you know, it's going to be like, yo

input type=hidden, name=user id, value=five that came

in the form. So like I said, each one of these things is a

form, the difference is they have a different primary

oh, the name is delete, so if I have

key, whatever the one, two, three, five, whatever they

that's there and then this action column is, there's a form

from the row user ID right there. And then I have a submit

button and that shows the submit button and then I have it

are. That primary key is embedded in a hidden field in each

of those forms. Then, when you press this button, it says,

isset(\$_posts['delete']) then I know that it was the delete

form that was pressed. Right? And I have isset(\$_post['user

ID']) so that triggers this model code to run the delete. And

that's just the code from there. So that's how I end up with

controller, the whole model up here, we're going to require

the pdo, we've got the add model, model. We got the delete

model. And so this is our magic line between the model and

view, we're going to do a database call and we're going to

from the other thing. And then we have the bit that has to

through all of this in a text editor in another video. So up

I may or may not have just introduced into that last bit of

code.

next, I want to talk a little bit about some security holes that

loop through all this stuff and away we go. That's really

do with user add form and in a way we go on. I'll walk

one, two, three, four, five little forms on this page. Now,

later we'll make the user experience prettier as we go

forward. And so, this again is kind of the model view

then below that, the view. And so then inside the

over and over again. Right? So if you look at the source code

fetch the primary key of each row and I put that in quotes

delete code from that other one. And then what I

put this submit button, that data gets sent. This is a

delete now combined on to the same screen. So let me

make a SQL, you put in your placeholders, you do

would like to execute that SQL and I would like the :zip to be

where user ID equals 4 and that actually deletes it and away

crawlers don't follow posts etc, etc, etc, or the browsers

the thing. You hit it then it goes to a page and says, are you

on a get, you always want to do a delete on a post. And so

this is where you see and from a user experience

to select and this of course came from like a couple of

stuff out. So you type something, hit submit and then,

and then we can also just put a little while loop so we can

see this, so we don't have to kind of hit the insert

we use when we have values that we want to