

this is kind of going back to where I was saying that you can

warning, it can give you a warning, it can blow up, I prefer

a perfectly legit thing. It's going to take a user ID from the

GET, you know, right here to GET parameter. It's going to

runs. So, this is all good. Right? It doesn't blow up. But now,

here. Okay. This is a mistake where I've got this in my SQL

under my execute, I tell it that. So, this is going to blow

up. But because I've got error mode warning, it doesn't

defined. Invalid parameter on error line nine, blah blah

fetch fails, this is a kind of a non-fatal error, this should

this blew up, putting out a warning is really a bad

strategy. Okay. And so this is why I prefer error mode

exception and you'll see in my PDO.PHP Code that I'm

one way, error mode silent is the default mode. That is

really bad. That's why I want you to set it every time and

error mode warning, is almost useless. You can check with

an if statement at the end, but really if you've got a syntax

error in your SQL or something that bad, you might as well

just blow up because you can't really recover from it, you

just go back and fix it. So that's why I suggest you always

database, so it's still gets the same thing, invalid parameter

right there. This is a die. It stops and it doesn't run the rest

of this code. And so that's what I like because really this is a

syntax error, the SQL. PHP can't know because it's valid PHP

but it's not valid SQL. And so that's why I want you to just

set this in your PDO.PHP all the time. Okay, just set it and

Catch these things and sometimes it's really important for

you to do that because sometimes these things can print

out data that you don't want to show to the end-user. And

I've got to Try Except, Try Catch around this thing. So I told it

I want it to blow up, but I've also told it that I want to catch

parameter and instead of coming down here, it comes to

our catch spot and I get an exception variable because

it passes the exception that caused the explosion inside

as to what went wrong and we can say, get the message,

and that gives us this message right here. That message

comes out and I print that out and then I return. So I don't,

this is a way to get out of this script. And if it worked, which

is not going to because it's totally broken, it continues and

runs. So sometimes you want to do a Try and a Catch of

those exceptions and then print your own thing out. Now

doesn't do much good for your user to see an error

message like this because you are the developer in

here. This is you. And then your end-user is seeing this,

not just writing applications for ourselves, when we're

developing, we're seeing the application and error

right? So the user is using your application someday. We're

messages are really helpful. But when we're showing it to

users, you don't necessarily want to show these because

like this can have sensitive information. So in production

course this is constructed to blow up. So it runs the Catch,

show our user, we send this to our user. So we say internal

put an error log message and we've talked about error logs

okay? And the exception comes in and the thing that we

error please contact support. But then what we do is we

before, an error log message is sticking a message in the

error and the log file we can go look at later. And what it

file, error4.php, and then I take this message and I print it

know, you'll see this all the time when you run applications

out and I stick it in the log. So this does not go to the

user, this goes to the log. And then I quit. So now I, you

it's like, unknown internal error. Hopefully it's logging a

bunch of stuff. So the developers can say wow, I can see

it is to actually display them to users. Unless you're the

developer and developer you can be watching log

Macintosh and it says, that is where the logs are

what's going on. So this is way better to log the errors than

anyways. And then, remember where the logs are at. Well,

the string, error_log underscore log and then you can find

stored. /Applications/MAMP/logs/php_error.log. So then I

different places for them. There's this really cool thing that

when I'm coding, I have a tail running of the log. And there's

can go take a look at that file and that's where I will see

you can do if you have a window, and this you'll see me

this thing called tail, that's on Linux and Mac, tail -f takes

new line gets shown, it adds to the end. And so you can

and looks at that error log file and it just sits there and if a

dynamically watch it. You don't have to go keep opening it

it interesting. I don't know if this is for you or not but you

can find a Windows tail and that's super useful, so that you

don't have to keep every time something goes wrong. I just

somewhere off to the screen or if I got two screens, I have

looks like sort of in my screen, the way I do it is, you know,

then it just sits here. And then when something goes wrong,

right? And when something goes wrong, error2 is blowing

up, where is error4, yeah error2. So this is just showing me

the errors and- but this is showing the stack trace. Showing

sorry. Here's error4.php. Right there error4.php. And so it

blows up, tells me I'm in error4.php and then it gives

me that error message from it but never shows it to the

user. That's the cool thing about logs, is that you never

show this to the user but you can come in later or while

we've sort of zoomed through a whole bunch of things

database, we figured out how to use PDO to make a

errors in the PHP code that we write.

where we have got to the point where we make stuff in a

connection and send data into the database, retrieve data

from the database. And here at the end, we sort of looked

at some of the more subtle details of dealing with database

you're developing just watch it. So developing and watching

the log at the same time is not a bad strategy at all. Okay, so

me all kinds of great stuff. Oh and here's error4,

like to keep the tail of the error log going in a window

the tail on one side of the screen. And so this is what it

I've got, I mean the logs file and tail -f php_error.log and

in a text editor, you can use tail. On Windows you might find

those errors. So under different scenarios, you have

the logs are at, you can do the PHPInfo and you can look for

the absolute path. I have been running the app and this is a

does it's like I'm saying, oh am coming from this

you sort of want a different pattern. So what you do in

production is you turn on exceptions. You do a Try of

the interesting thing is is when you're in production, it really

here, blew up but it sent us back a little bit of a breadcrumb

the exception. So this runs, this is okay, this blows up

because this is where it detects that there is invalid

so you can put a Try Except around these things. So now

forget it. Now, you can do a Try and Except and you can

not defined. It blows up and it dies. Which means it quits

use error mode exception. And so if I turn error mode

exception on which is my recommendation for my

always doing error mode exception. Error mode warning is

blah. These aren't the best of error messages. But this line

right here is blowing up. But the problem is is just that the

blow up but it keeps on going. So it comes down here still

says user_id not found. So if something so badly wrong that

right? It says PDO execute invalid parameter number do not

actually stop. This is failing. This statement right here,

take the user ID. It's got a substitution variable xyz, it

let's make a mistake. So this is a kind of a mistake

the one during development that it blows up. And so here is

have different error modes. And so this is error mode