So our log method should throw out an exception if this error is null or white space. How many test cases do we need here? We need three. One is to check for null, the other is to check for an empty string, and the last one is to check for a string that has whitespace, like this. So I'm going to create a parameterized test method with three test cases. Let's delete this. Back in our test class, another test method, public

void Log, the scenario is InvalidError. It should Throw ArgumentNullException.

So, I'm going to make this parameterized, string error, and add three test cases here, so TestCase, the first one is null, the second one is an empty string and the last one is a white space. Once again, we create a logger object, and of course we could do that in the set up method. But I leave that to you as an exercise. So here's the tricky part, if I call logger.log error. This line is going to throw an exception, and our test method is going to fail. So the way to write assertions, for methods that throw an exception, is by using a delegate. So I'm going to wrap this call, inside a delegate when writing the Assertion. Let me show you what I mean.

So, Assert.That, here I'm going to add a delegate or an inline function or a lambda expression. If you're not familiar with these, you need to watch my C# Advanced course. I've covered this topic in detail, so here we pass a lambda expression, and this is where we can call the log method.

So logger.Log error. Now, as the second argument we specify the type of exception. So previously you have seen is and does classes, we also have Throws, you have a bunch of useful helper properties like argument exception, argument null exception, invalid operation exception, and so on.

But in this case I'm going to use Argument Null exception. Sometimes

you're working with different kinds of exceptions, if that's the case you can use Throws, Exception, type of and here you specify the type. For example divide by zero exception. Okay? But in this case, because we have this helper property, ArgumentNullException, I prefer the first syntax which is shorter and cleaner.

So, let's delete this, and run our test alright, so we can see we have this test method with three test cases, they are all passing, once again to make sure that this is a trustworthy test, I'm going to go back in the production code, and comment out the line that is responsible to make this test pass, so I'm going to comment out these first two lines. Let's see if our test fails now or not. So while this is selected, I'm going to write it again, this time our test failed.

So, this is a trustworthy test. Back here, I'm going to remove the comment.

Beautiful. In the next lecture, I'm going to show you how to test

methods that raise an event, this is particularly useful when building wpf, or Xamarin application.