So, we wrote quite a few unit tests for various execution paths in this method. The last unit test we need to write is for the scenario where something goes wrong, when sending the email, then we should display messageBox to the user. Very simple test.

So, back in our test class. To save time, I'm going to duplicate this last test, so the scenario is EmailSendingFails.

Then, we should display a message Box. Now in the arrange part,

we want to program our mock object to throw an exception. So, emailSender.Setup. So when we call this method we should throw an exception. Now in this test, we don't care about these actual values passed with the EmailFile method, because earlier we wrote a test to ensure that under normal circumstances, this method is called with the right arguments.

So here we can simplify this test, and use It IsAnyString and let's put this on a new line. And repeat it three times. Okay? So this is the setup, here, we want to throw an exception. Exception. Okay? So this is the arrange part, then we act and finally we should verify that a message box is displayed. So, we have a mock object before that messageBox.Verify

mb goes to mb.

Show now what argument should we pass here? Let's have a look at our implementation. So we should have the actual message here. As well as the title for the message box, and finally messageBoxButtons.OK.

Again, we don't want to test for this exact string here, because it's very likely that it would change the error message or the title of the messageBox in the future. So as long as this method is called we're going to be happy. So, back in our test class. Once again we used ItIs.Any

string.

One more time, It.IsAny string. One more time It.IsAny string and the last argument is messageBoxButtons.OK. So this is an enumeration for specifying the numbers in a message box. So, this is our verify part, again, we can extract this into a method called Verify messageBox display. And that makes this test more readable. Let's run the test first. Okay it passed. Just to double check that we're testing the right thing, let's come here and comment out these two lines. Back in our test, let's run it one more time. It failed, so, that verifies that we have a trustworthy test.

So, let's bring the code back in. And this concludes this section. I hope you enjoyed this challenge and thank you for watching.