Unit Test Naming Conventions

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Unit Test Naming Conventions

1. MethodName_StateUnderTest_ExpectedBehavior:

isAdult_AgeLessThan18_False

withdrawMoney_InvalidAccount_ExceptionThrown

admitStudent_MissingMandatoryFields_FailToAdmit

2. MethodName_ExpectedBehavior_StateUnderTest

isAdult_False_AgeLessThan18

withdrawMoney_ThrowsException_IfAccountIsInvalid

admitStudent_FailToAdmit_IfMandatoryFieldsAreMissing

Unit Test Naming Conventions

3. test[MethodName]:

testSaveEmployee

testGetEmployeeById

testUpdateEmployee

4. test[Feature being tested]

testFailToWithdrawMoneyIfAccountIsInvalid

testStudentIsNotAdmittedIfMandatoryFieldsAreMissing

Unit Test Naming Conventions

5. Should_ExpectedBehavior_When_StateUnderTest:

Should_ThrowException_When_AgeLessThan18

Should_FailToWithdrawMoney_ForInvalidAccount

Should_FailToAdmit_IfMandatoryFieldsAreMissing

6. When_StateUnderTest_Expect_ExpectedBehavior:

When_AgeLessThan18_Expect_isAdultAsFalse

When_InvalidAccount_Expect_WithdrawMoneyToFail

When_MandatoryFieldsAreMissing_Expect_StudentAdmissionToFail

Unit Test Naming Conventions

7. givenPreconditions_whenStateUnderTest_thenExpectedBehavior:

givenEmployeeObject_whenSaveEmployee_thenReturnSavedEmployee

givenEmployeesList_whenFindAll_thenReturnListOfEmployees

givenEmployeeObject_whenUpdateEmployee_thenReturnUpdatedEmployee

givenEmployeeEmail_whenFindByEmail_thenReturnEmployeeObject

givenInValidEmployeeEmail_whenFindByEmail_thenReturnEmployeeObject

In this course, we use this naming
Convention - given/when/then