End of course exam

**End of Course Exam**

Create a mock class of this page - <https://www.ultimateqa.com/complicated-page/>

Class Hierarchy

BasePage – an abstract class that contains the string property for PageName

ComplicatedPage – which is the Base class for the following classes. Inherits from BasePage

ButtonsSection– A property that is of type SectionOfButtons

SocialMediaSection – A property of type SectionOfSocialMedia

RandomStuffSection – A property of type SectionOfRandomStuff

PageName – An overridden element from the base class that returns the string “Complicated Page”

Element – a class that contains:

A void Click() method, uses the Console to write out “Click”

SectionOfButtons – a class that contains:

A property named Button of type Element

SectionOfRandomStuff – a class that contains:

A void method FillForm(), uses the Console to write out “Fill out form”

SectionOfSocialMedia – a class that contains:

A property TwitterButton of type Element

A property FacebookButton of type Element

Tests

Write a test method that creates an instance of ComplicatedPage. Using the created instance, return the property PageName. Assert that it contains the string "Complicated Page"

Write a test method that creates an instance of SectionOfRandomStuff. Using the created instance, call the FillForm() method.

Write a test method that creates an instance of SectionOfButtons. Using the created instance, call the Click() method of the instance’s Button property. Wrap the contents of this test method in a try/catch and be sure to write out an error message that occurs, if any.

Attempt to debug and correct any problems you find.