

Unit Testing

In Brief

Unit testing allow us to test certain mission critical pieces of functionality is an easy way without building huge overhead.

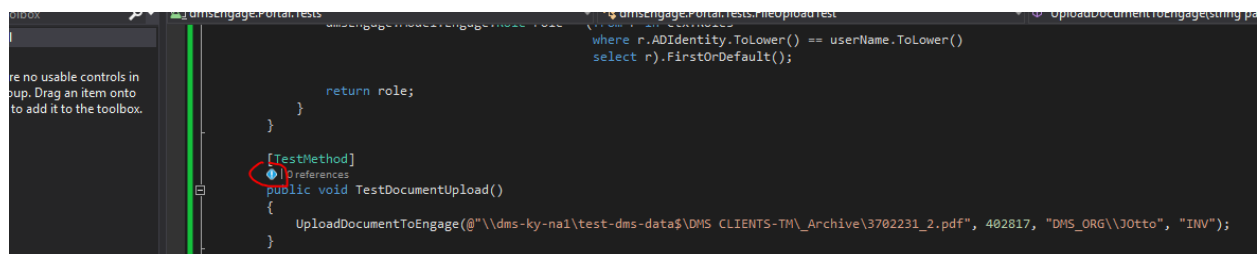
In Engage we have a project in the solution called **dmsEngage.Portal.Tests**

Writing your test class

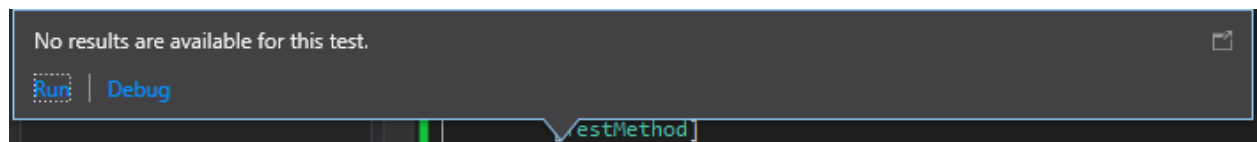
Start by declaring a new class for a specific sub-domain or adding to an existing test class. In this case it will be File Handling. Decorate it with the **[TestClass]**.

```
namespace dmsEngage.Portal.Tests
{
    [TestClass]
    0 references
    public class FileUploadTest : TestControllerBase
    {
        // ...
    }
}
```

Now write a method to test a piece of code or functionality. In this case I'm going to write a file to Engage. In unit tests you want to hard code parameters for the purpose of testing. Notice that a little blue disclosure button appears indicated in the attached screenshot.



If you click the little blue icon you can now launch straight into this test method and start testing. Or you can simply run the test to see if it still succeeds.



When the build server compiles the project it will run all the "test methods" to ensure that the quality of the build is acceptable