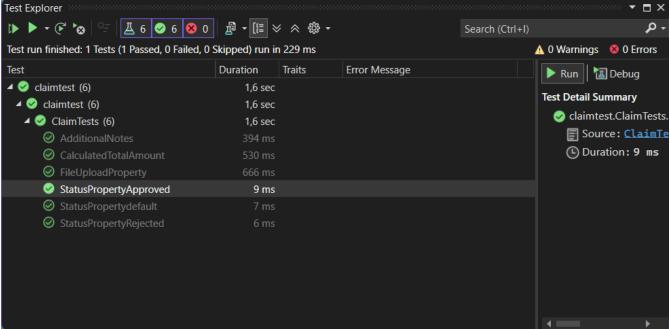
ST10445830

Unit Tests



```
claimtest

▼ Claimtest.ClaimTests

                    using System.IO;
                    using Microsoft.AspNetCore.Http;
                    using Moq;
using Xunit;
                    using CMCS_ST10445830.Models;
                    namespace claimtest
                         public class ClaimTests
                             [Fact]
                              public void CalculatedTotalAmount()
                                  //arrange phase
var claim = new Claim();
                                  claim.HoursWorked = 10; //will set hours to 10
claim.HourlyRate = 45; //set rate to 45
                                  var getResult = claim.CalculateTotalAmount();
       24
25
       26
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                                  Assert.Equal(450, getResult);
                              //check if Notes property can be set and retrieved correctly
                              [Fact]
                              ○ | O references
public void AdditionalNotes()
       33
34
35
                                  //arrange phase
var claim = new Claim();
claim.Notes = "This is a test note for the claim.";
       38
39
                                   //act phase
                                   var getResult = claim.Notes;
                                   Assert.Equal("This is a test note for the claim.", getResult);
```

```
ClaimTests.cs* → X Program.cs
                                                                               aclaimtest
                          //Check if file upload property works correctly
                          [Fact]
                          0 0 references
                          public void FileUploadProperty()
                              var claim = new Claim();
                              var fileMock = new Mock<IFormFile>();
fileMock.Setup(f => f.FileName).Returns("invoice.pdf");
                              //act phase
                              claim.DocumentFile = fileMock.Object;
                              claim.DocumentUrl = "/uploads/invoice.pdf";
                              Assert.Equal("invoice.pdf", claim.DocumentFile.FileName);
                          //Check if status is Approved
                          [Fact]
                          public void StatusPropertyApproved()
                              var claim = new Claim();
                              //act phase
                              claim.Status = "Approved";
                              Assert.Equal("Approved", claim.Status);
                          //Check if default status is "Pending" [Fact]
                          public void StatusPropertydefault()
                              var claim = new Claim();
                              var getResult = claim.Status;
                              Assert.Equal("Pending", getResult);
```