

# AUTOTEST GUIDE

## Test Setup

None.

## Test Tools

None... Other than Visual Studio 2019 and either Chrome or Firefox.

## Test Execution

With the BuggyCarsRating solution opened in Visual Studio, open the app.config file via Solution Explorer and set the target browser for the test run. That is controlled by an app settings key named "Browser". It has its value set to "Chrome", but we may use "Firefox" as well to run tests against that browser instead.

Do not change the "Password" and "Userpass" values (nor the "Website", of course). It should be okay to change any other settings, but these should remain as they are for the test to execute as expected.

After selecting the target browser, build the solution using the default configuration and platform settings ("Debug" and "Any CPU", that is).

Following a successful build, use Visual Studio's Test Explorer to run the tests. Individual tests or their respective containers can be run in any order, as they are independent from one another.

## Test Results

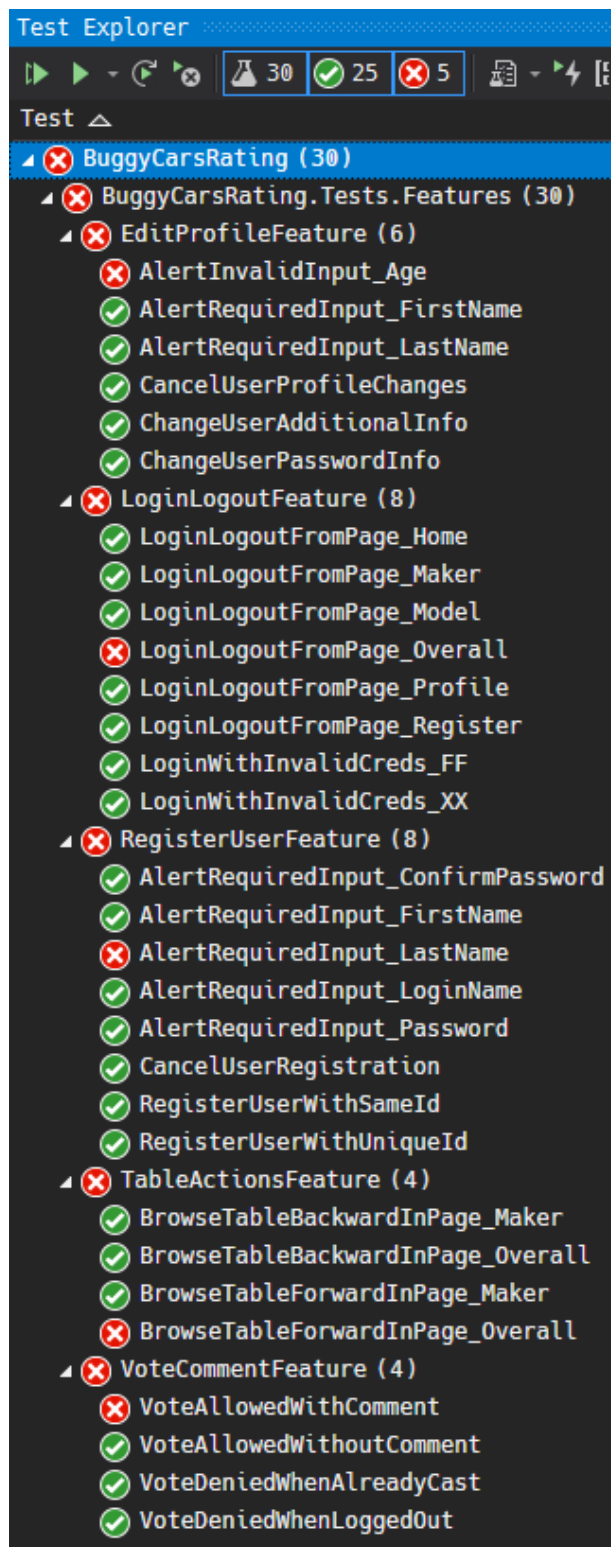
Some tests are expected to fail, all the failures described below address valid issues with the test website, so having these tests to fail means they are performed as intended.

### *AlertInvalidInput\_Age*

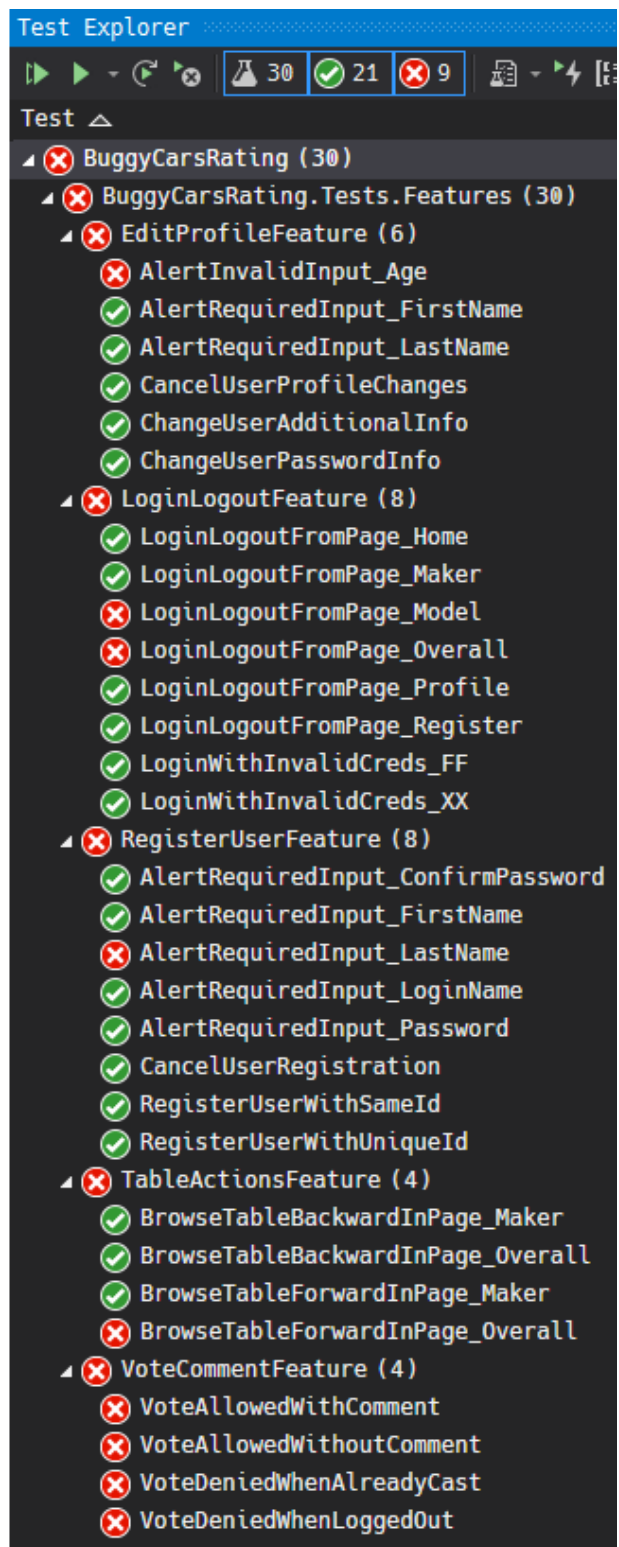
The error message displayed when whitespaces or special characters is entered in the Profile page's Age field says "Get a candy ;)", but the test expects it to say "Age is not valid", thus it fails.

### *LoginLogoutFromPage\_Overall*

The overall rating page has the logout functionality broken, so when this test tries to log the user out from that page, it times out expecting the login button to appear, thus it fails.



Expected Test Results in Chrome



Expected Test Results in Firefox

#### *AlertRequiredInput\_LastName*

The error message displayed when the Last Name field is left blank in the Register page says "First Name is required", but the test expects it to say "Last Name is required", thus it fails.

#### *BrowseTableForwardInPage\_Overall*

When this test navigates to the overall rating page set the model table to page 3, then clicks the next button, it expects page 4 to be displayed, but due to a bug page 31 is displayed instead, thus it fails.

#### *VoteAllowedWithComment*

After posting a comment, this test checks that the comment date/time, author, and contents are as expected. However, due to a bug author names are not displayed for certain models, thus it fails.

The tests mentioned above are the only expected fails when running them on Google Chrome. If any other failures occur, then the test is probably not as stable as I would like it to be.

Furthermore, other tests are expected to fail when running on Mozilla Firefox. That's due to a major bug that prevents any model pages from loading in that browser. That affects all the tests below, that try to perform operations on those pages but timeout, thus failing accordingly.

#### *LoginLogoutFromPage\_Model*

#### *VoteAllowedWithoutComment*

#### *VoteDeniedwhenAlreadyCast*

#### *VoteDeniedWhenLoggedOut*

### **Test Report**

A detailed test report is generated for each test run. It can be found under the "ExtentReport" folder that is within the provided solution's root directory. It consists of 3 HTML files, but just open the one named "dashboard.html" and browse the other report pages from there (they can be accessed via the top-left corner menu). Please do check at least the Dashboard and Tests page out! Here's a preview:

## Table Actions

5/13/2021 7:50:03 PM

5/13/2021 7:50:18 PM

0h:0m:14s+853ms

feature

✓ Browse Table Backward In Page - Maker

✓ Browse Table Backward In Page - Overall

✓ Browse Table Forward In Page - Maker

scenarios

✗ Browse Table Forward In Page - Overall

✓ Given the "Overall" page is displayed

✓ When the mid-page number "(round down)" is entered

✓ Then the expected page is displayed

✓ When the "next" page button is clicked

✗ Then the current page number "increases" by one

steps

stack trace

```
at Microsoft.VisualStudio.TestTools.UnitTesting.Assert.HandleFail(String assertionName, String message, Object[] parameters)
at Microsoft.VisualStudio.TestTools.UnitTesting.Assert.AreEqual[T](T expected, T actual, String message, Object[] parameters)
```

Assert.AreEqual failed. Expected:<4>. Actual:<31>. The expected list page is not displayed: 4

exception

base64-img

screenshot of failure