Test Approach

I will use a more Reactive technique as the website is already created.

Ideally, I would want to use an Analytical approach. Still, because we don't have any requirements, we are unsure which functions/pathways have higher weighted business values and contain the most risk. (If made available, I would have asked BA's and SME's questions about the website and what they deemed to be the most valuable in terms of business value)

So I will use a Dynamic and Heuristic approach when testing, as there are no guidelines for the software we are testing. Also, because this type of approach focuses mainly on the bugs in the system, a dynamic approach is the way to go. Experienced-based testing, like exploratory, will be used.

Note that because we have no requirements or criteria for the application we are testing, the following bugs may not have the correct weighted business risk. But using my experience in testing, this would be what I deemed the most critical bugs found. *(Note they are not in any particular order.)*

Top 5 Critical Bugs

Bug 1 - The author is missing in the comments section for the top 10 ranked model's page
Steps to Reproduce
- Log into the Buggy webpage. (https://buggy.justtestit.org/)
- Click on the 'Overall Rating' section.
- On the 'Model' column, click on any of the top 10 ranked records.

Expected Outcome:
We expect the author's name to be displayed.

Actual Outcome:
The author's name is missing from the comments section for the top 10 ranked models.

Date	Author	Comment
Mar 17, 2023, 2:27:16 PM		Gorgeous, grandiose.
Mar 17, 2023, 9:07:08 AM		too big for my garage
Mar 17, 2023, 8:07:57 AM		This si my coment #2080 JAMH
Mar 16, 2023, 10:57:47 PM		test
Mar 16, 2023, 11:49:46 AM		great car
Mar 15, 2023, 5:17:03 PM		Haciendo el curso de testing

Steps to Reproduce
- Navigate to the Lancia Ypsilon page on the Buggy website.
(https://buggy.justtestit.org/model/c4u1mqnarscc72is013g%7Cc4u1mqnarscc72is0150)

Expected Outcome:
We expect the car to display an image.

Actual Outcome:
The car is missing an image.
Note image is also missing from the 'Overall Rating' list.

Lancia

Ypsilon

Bug 3 – In the registry page, the user is prompted that we need a minimum of 6 characters for the password, but when six characters are entered, '**Password not long enough**' error is displayed

Steps to Reproduce
- Log into the Buggy webpage (https://buggy.justtestit.org/)
- Click on the 'Register' button on the top menu
- Enter a valid unquie '**Username**' (TestNewUserNamexx)
- Enter a valid '**First Name'** (Test First Name)
- Enter a valid '**Last Name'** (Test Last Name)
- Enter five digits for the '**Password**' and '**Confirm Password**' fields
- Click on the '**Register'** button on the page (Not the menu)
- (Take note it displays "InvalidParameter: 1 validation error(s) found. - **minimum field size of 6**, SignUpInput.**Password**.")
- Enter six digits for the '**Password**' and '**Confirm Password**' fields
- Click on the '**Register'** button on the page (Not the menu)

Expected Outcome:
We expect to see no longer an error that the password length is long enough
(Note need to ask BA what the expected valid password length should be)

Actual Outcome:
The user is presented with the error,
"InvalidPasswordException: Password did not conform with policy: Password not long enough"

5 Characters

6 Characters

Bug 4 - After navigating to the Lancia Stratos page and then navigating to any other page, the website breaks

Steps to Reproduce

- Log into the Buggy webpage (https://buggy.justtestit.org/)
- Click on the 'Overall Rating' section
- Locate the '**Make**' and '**Model'** Lancia Stratos
- Click on 'Stratos'
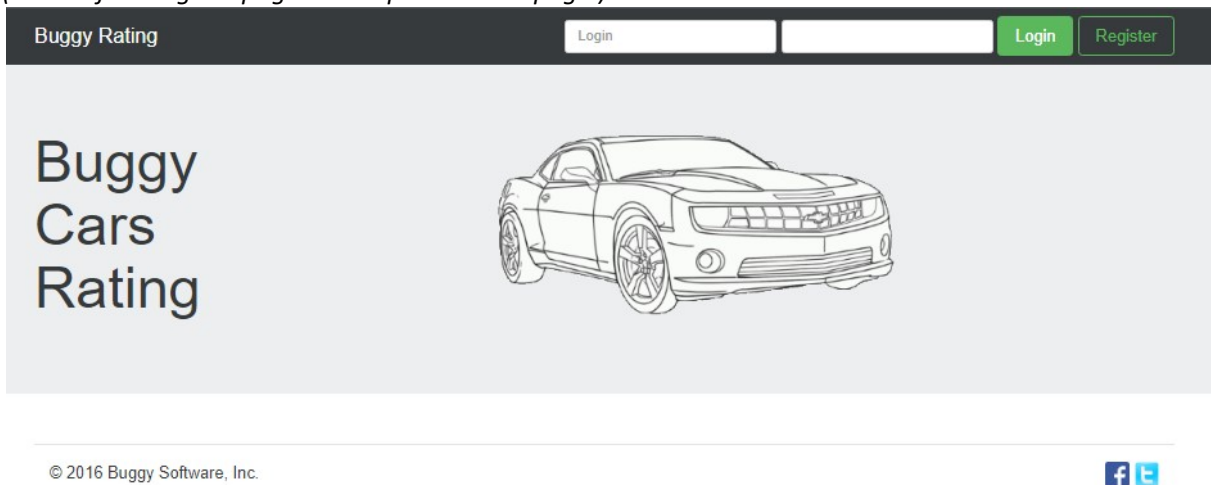- Click any links or the back button

Expected Outcome:

We expect the Stratos Model page to be displayed.

Actual Outcome:

The website becomes broken, and the user cannot navigate the website.

(Note refreshing the page will help reload the page.)

Bug 5 - After navigating to the Lancia Stratos page, it is missing data

Steps to Reproduce

- Navigate to the Lancia Stratos page on the Buggy website.
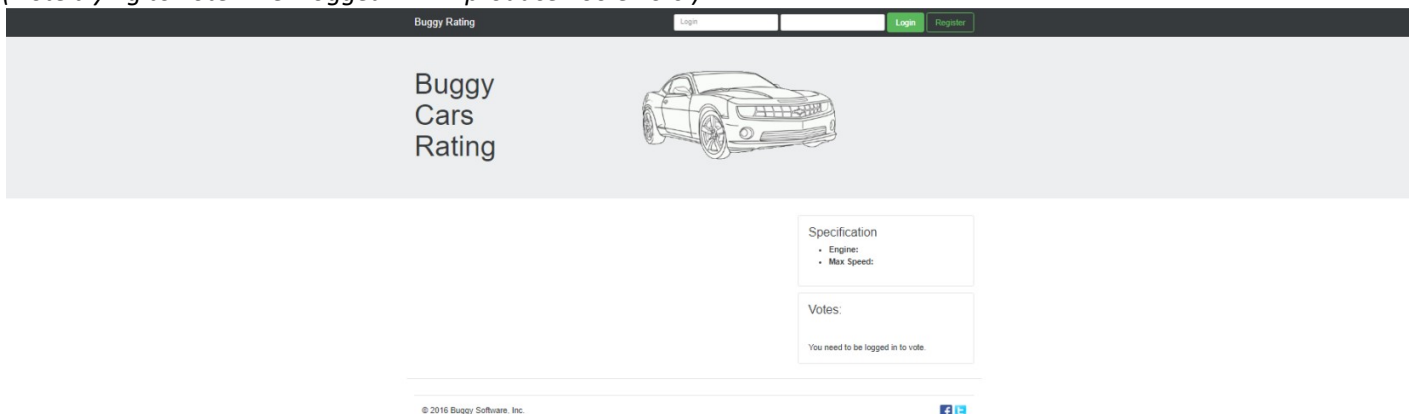 (https://buggy.justtestit.org/model/c4u1mqnarscc72is013g%7Cc4u1mqnarscc72is0170)

Expected Outcome:

We expect the Stratos Model page to display all the data.

Expected Outcome:

The Stratos Model page is missing data.

(Note trying to vote when logged in will produce 400 errors.)

Other bugs identified
- When on the **Overall Rating** page, the user can navigate beyond the max pages of the list.
- When on the **Overall Rating** page, user is unable to navigate to pages 1 and 5 when manually entered
- When on the **Overall Rating** page, the user cannot log out.
- Login section - Password box missing '**Password**' text.
- On any of the Make's pages, clicking the '**Buggy Rating**' title does not take the user back to the home page.
- When on a model's page, clicking on the image takes you to the home page (We typically expect a zoomed image pop-up to be displayed when an image is clicked on)
- On the home page, only the image part of the three sections 'Popular Make', 'Popular Model' and 'Overall Rating' will act as the link to the new page (Need to include the Title and description)
- In **Profile** page user is able to enter string for age

Considerations/Observations
Some critical observations that I have identified would improve the webpage.
- A static menu on each page allows users to navigate to the key pages (Homepage, Makes, Popular Model, Overall Rating).
- To have a forgot password function
- Validation rules are pre-displayed for '**Password**' when on the register page.
- On the **Overall Rating** page, after the user clicks on a make or model when pressing back, we should expect to be back on the same list page.
- On registering an account, when space is entered, the error Login must conform to the regular expression '[\p{L}\p{M}\p{S}\p{N}\p{P}]+'. To give a better error message when a space is entered for Login
- Too long 'First Name', and 'Password' to display better validation rules as to how long it too long
- To display better errors in general i.e (Unknown Error)