Buggy Cars Rating

Application Under Test: https://buggy.justtestit.org

Test Approach

I use a checklist to initiate discussions before any development work starts and plan my testing accordingly.

1. What is the happy path? How many happy paths are there?
2. Does the happy path work?
3. What could go wrong on front end? What happens if the database is down/unavailable?
4. Where could user get confused or where could user go wrong?
5. Is this browser compatible? Does this need to be supported on multiple browser?
6. Is this meant for desktop users only or mobile/tab users as well?
7. Does it need to log anything?
8. Could there be any security or privacy breaches?
9. Is this standalone product? Or if I change something here, would it impact any other components or any other products?

I also use this heuristic test cheat sheet:
https://www.ministryoftesting.com/dojo/lessons/test-heuristics-cheat-sheet

For this test as we already have a product that's developed so I planned my testing approach as following.

In scope testings.

- **Functionality** - to cover up all the functionalities of the product.
- **UI/UX** - to make sure a user gets a good experience while using the product. This also involves pointing out the UI issues/mistakes that could turn down a user.
- **Security** - to make sure there is no security or privacy breaches. This includes testing if someone could bypass the login, if someone could alter the URL and access something not authorized et cetera.
- **Cross browser compatibility & responsiveness** - to make sure the product does not act weird on different browsers, and devices.

Out of scope:

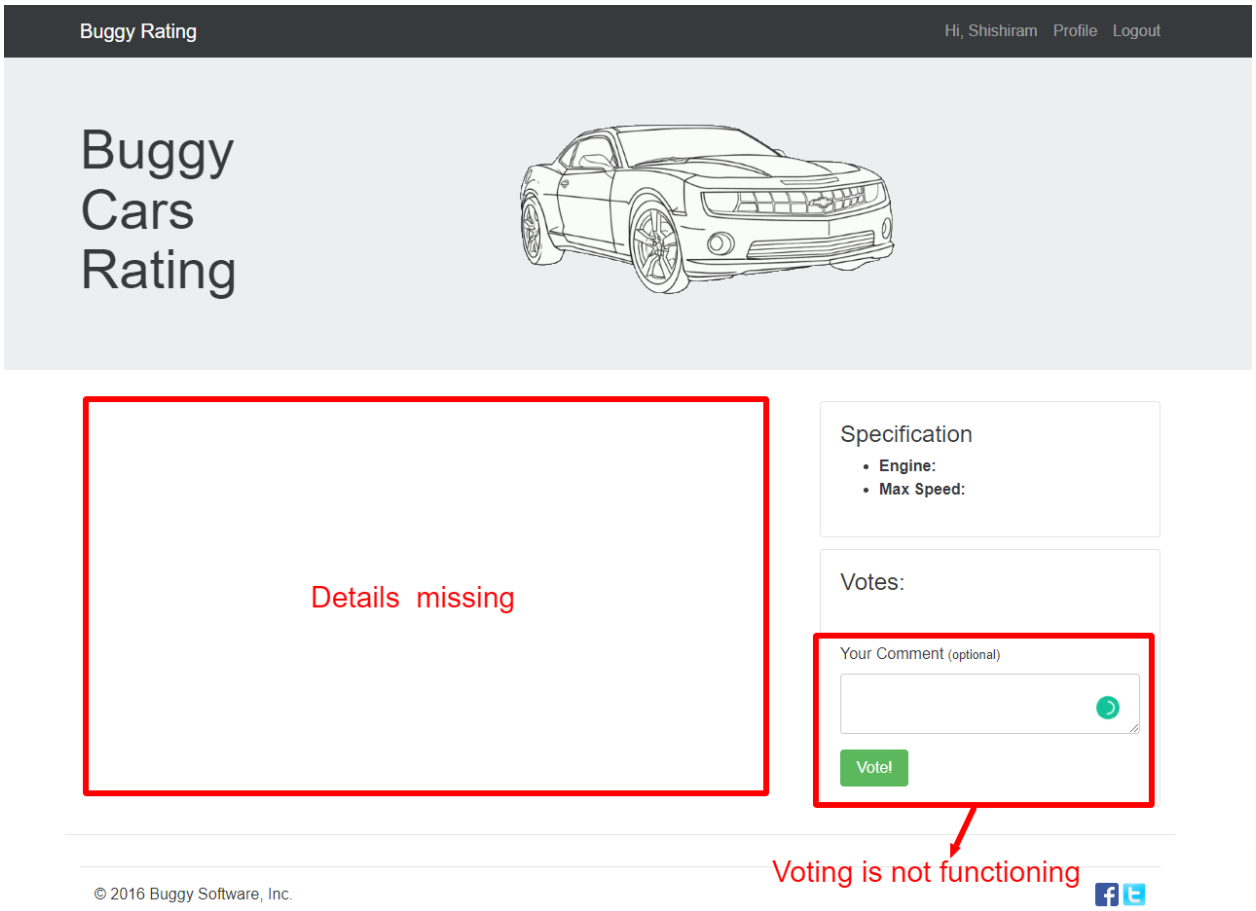
- Accessibility testing
- Performance testing

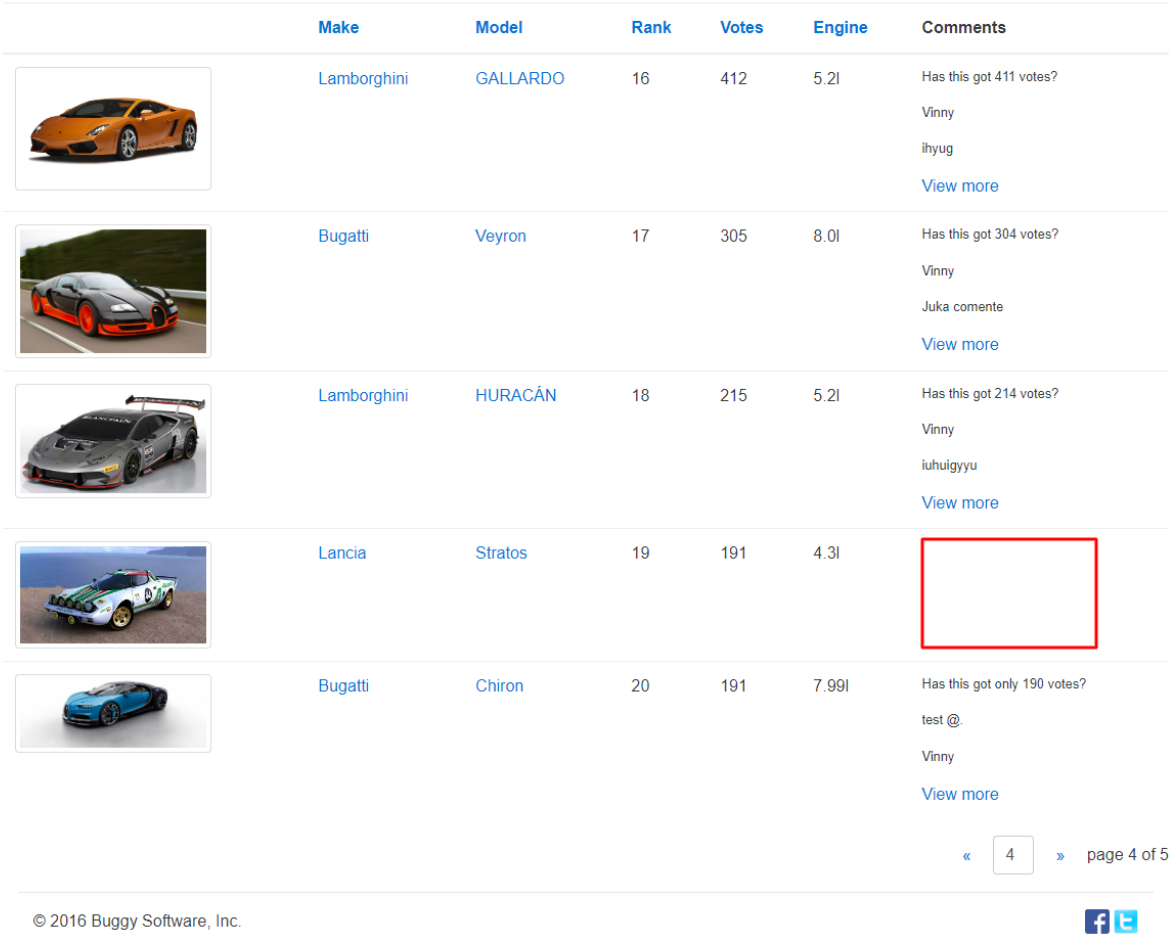
Most critical bugs:

Bug #1: Car detail for Lancia - Stratos is missing
Description: While visiting any car's page, the page should display the detail of the car which includes car's make, image, model name, description, comments, specifications and votes. For car Lancia - Stratos, these details are missing and voting does not work either which results in this car getting excluded from the voting participation.
Also, on list page comments section is empty.
URL: https://buggy.justtestit.org/model/c4u1mqnarscc72is013g%7Cc4u1mqnarscc72is0170
Priority: High
Expected Result: Car details should be displayed and voting should work.
Actual Result: Car details are missing and voting is not functioning either.
Steps to reproduce:

- As a logged in user, navigate to buggy cars ratings home page.
- Click on Overall Rating.
- Navigate through different pages until you find make 'Lancia' and model 'Stratos'.
- Click on 'Stratos'

Attachment/s:





Bug #2: Author is missing on some car models page
Description: On a car model detail page there's a column to display author whenever a user votes with a comment. For some cars, the author column is populated whereas for some it's not. Car models on which author is not populated are: Alfa Romeo - Guilia Quadrifoglio, Lamborghini - Diablo, Alfa Romeo - Mito, Alfa Romeo - Giulietta, Alfa Romeo - 4c Spider, Pagani - Zonda, Lamborghini - Murciélago, Lamborghini - AVENTADOR, Lamborghini - Reventón, Lamborghini - Veneno and Lamborghini - Countach.
URL:
Priority: High
Expected Result: Author name should be populated.
Actual Result: Author name is missing.
Steps to reproduce:

- As a logged in user, navigate to buggy cars ratings home page.
- Click on Overall Rating.
- Navigate through the list and visit the detail pages of the cars mentioned in the description.
- Notice the Author column on detail page.

Attachment/s:

Lancia

Specification

- **Engine:** 2.0l
- **Max Speed:** 220km/h

Votes: **593**

Your Comment (optional)

Vote!

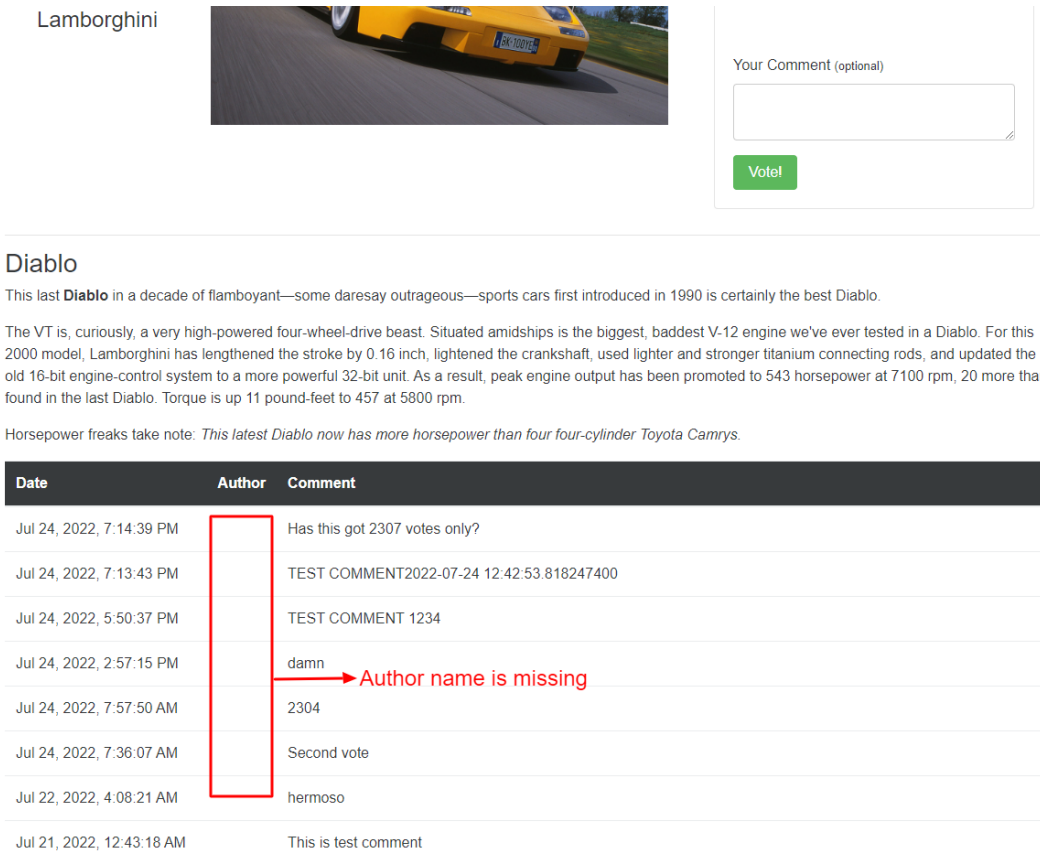
Delta

If your a crazy Italian Slalom, Giant Slalom and Super G skier, 5 time Olympic medal winner (3 gold), what car would you buy? Well Alberto Tomba was all of those and he picked this exhilarating machine, a 1992 **Lancia Delta Integrale HF Evo** 1 that was as equally happy on the snow as he was.

This particular model was a bespoke car built for him with many of the Evo2 upgrades that were available and a limited edition numbered 96 of 486. It has covered just 11469kms from new and is like new. A true drivers machine and a very angry little car!

Date	Author	Comment
Jul 24, 2022, 7:20:51 PM	Jason Sthatham	Has this got 592 votes?
Jul 20, 2022, 9:04:43 PM	Vinny12 Test	Vinny
Jun 2, 2022, 5:10:24 AM	Grover1 Pacasi1	
May 21, 2022, 3:02:33 AM	naruto chipuden	hblkbhb
Apr 27, 2022, 10:04:19 AM	Gabriel Libellara	<sdgDG

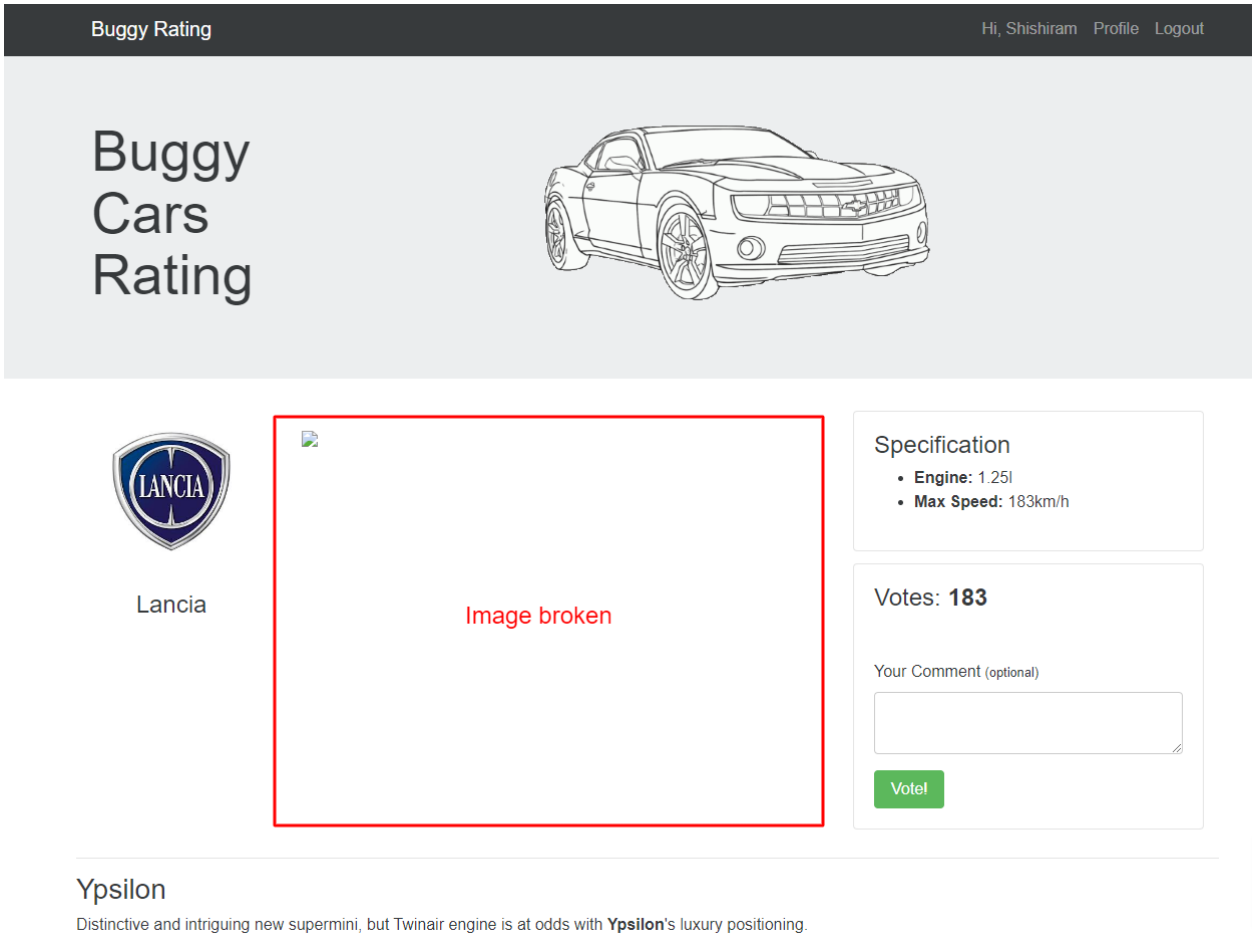
Author displayed as expected



Bug #3: Car image is broken for Lancia - Ypsilon
Description: While visiting a detail page of Lancia - Ypsilon, the image is broken and not visible. Car image could be one of the key factor for attracting users to vote for the car. Broken image could result the car getting low attention from the users which in return would negatively impact the vote.
URL: https://buggy.justtestit.org/model/c4u1mqnarscc72is013g%7Cc4u1mqnarscc72is0150
Priority: High
Expected Result: Car image should be displayed
Actual Result: Car image is broken/not displayed
Steps to reproduce:

- As a logged in user, navigate to buggy cars ratings home page.
- Click on Overall Rating.
- Navigate through different pages until you find make ‘Lancia’ and model ‘Ypsilon’.
- Click on model name ‘Silon’.
- Or simply copy paste the above mentioned URL after logging in.

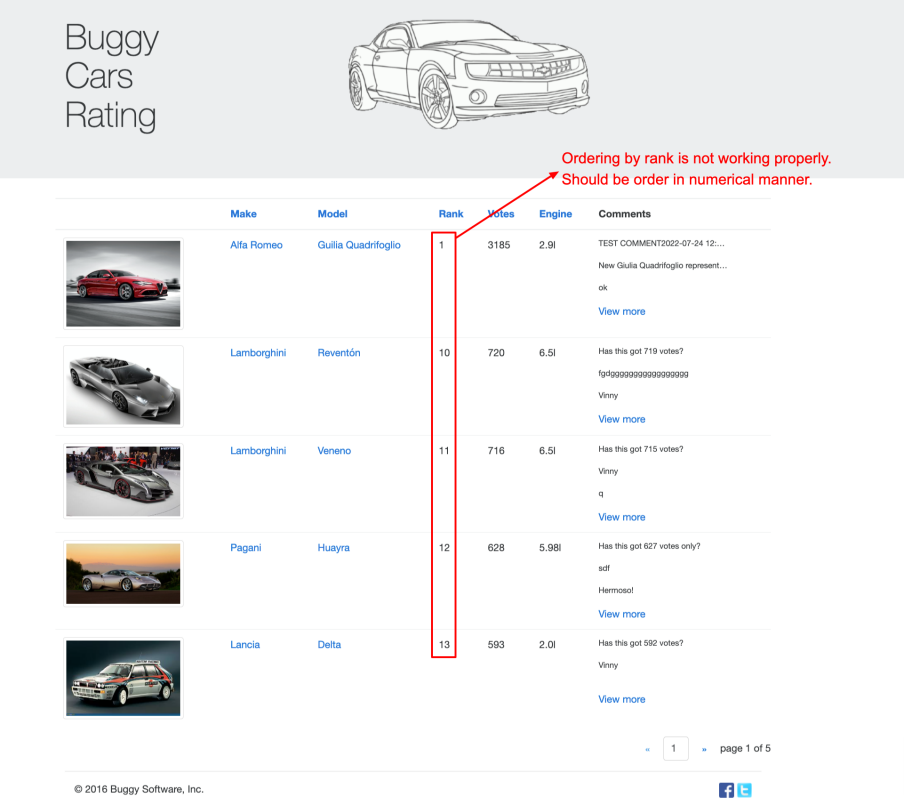
Attachment/s:



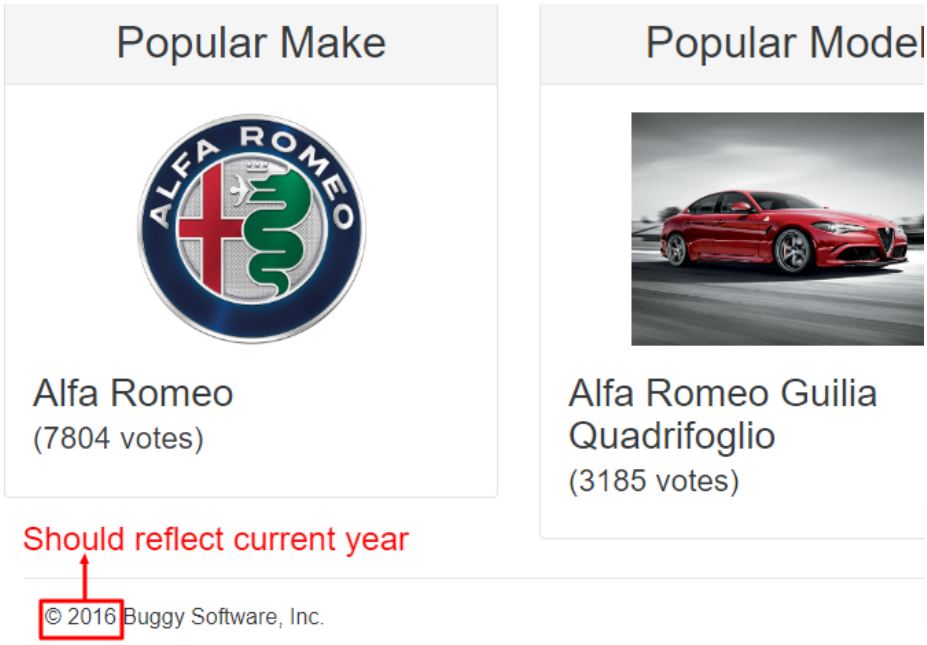
List of other bugs:

1. Ordering issues:
    a. Ordering is done only in ascending order. There's no way a user can sort the list in descending order.
    b. While ordering by rank, wrong order is displayed as shown in the screen shot. As rank is a pure numerical value, ordering should be done in numerical manner i.e.

1,2,3…. Et cetera not 1, 10, 11, 12 …. Et cetera.

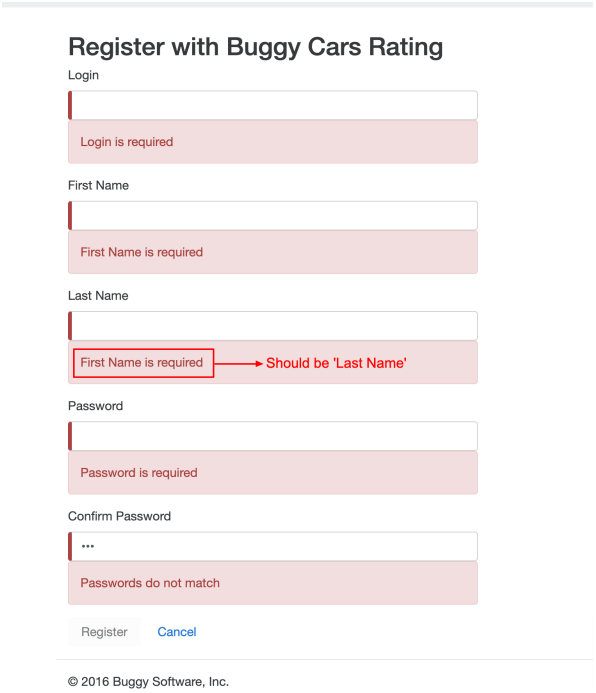


2. Footer section says © 2016 Buggy Software, Inc. The year placeholder should reflect the current year. Looks like it is hardcoded.

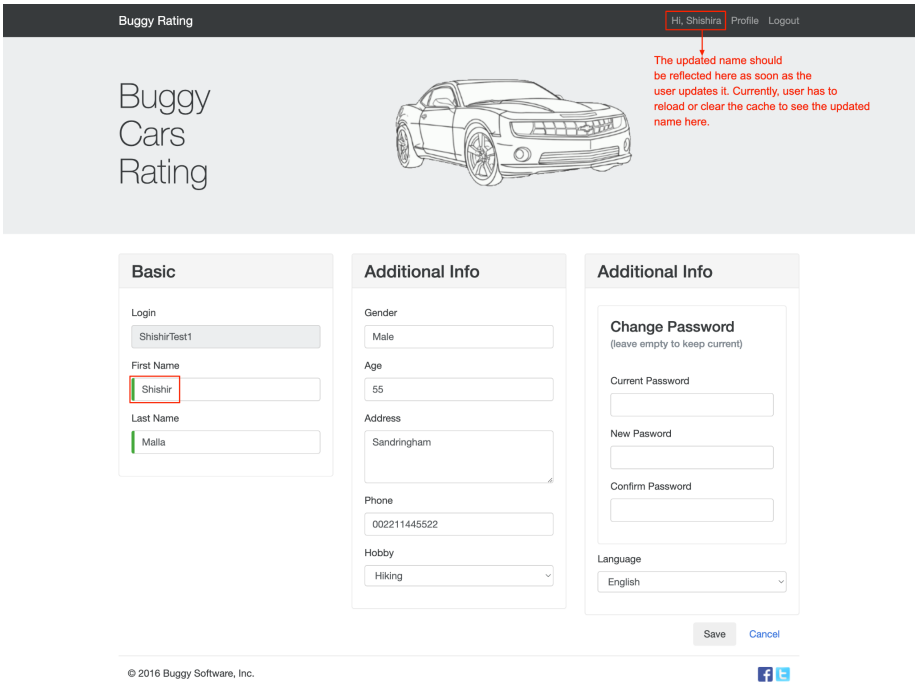


3. If an user visits the car make i.e Bugatti, Lancia, Lamborghini, Alpha Romeo and clicks homepage link, it does not take the user back to homepage. Clicking the link actually does nothing.

4. Validation message for Last Name in registration page is wrong. For last name, validation message says ‘First Name is required’ instead it should say ‘Last Name is required’

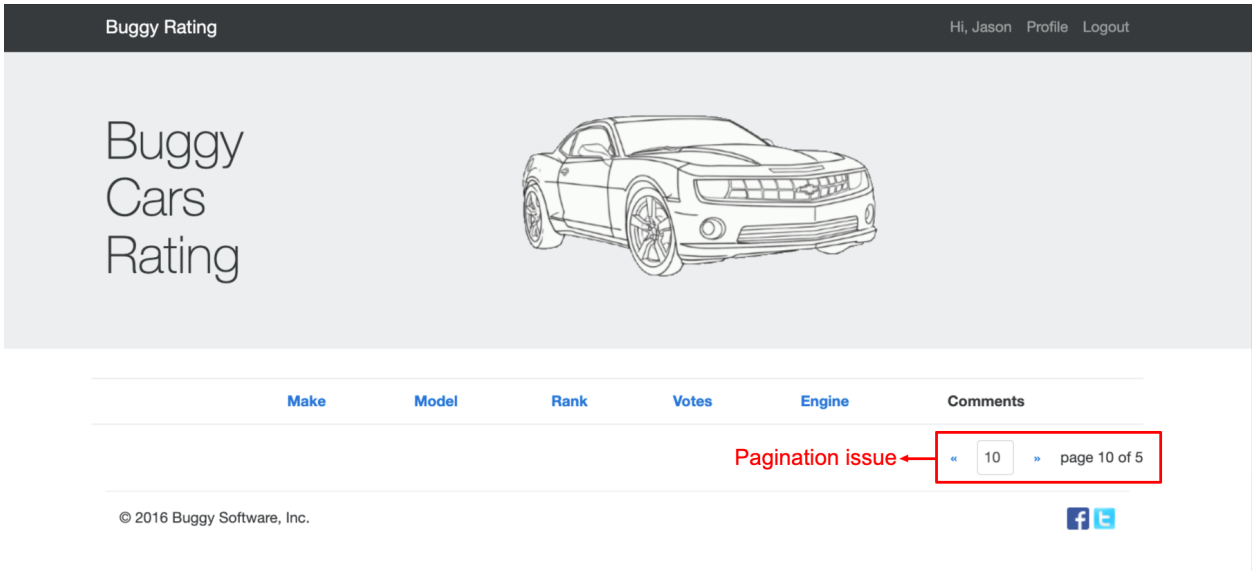


5. When a user changes their first name, the navigation bar surfaces the old name unless the page is refreshed. The name on navigation bar should be updated at the same time the first name is updated.

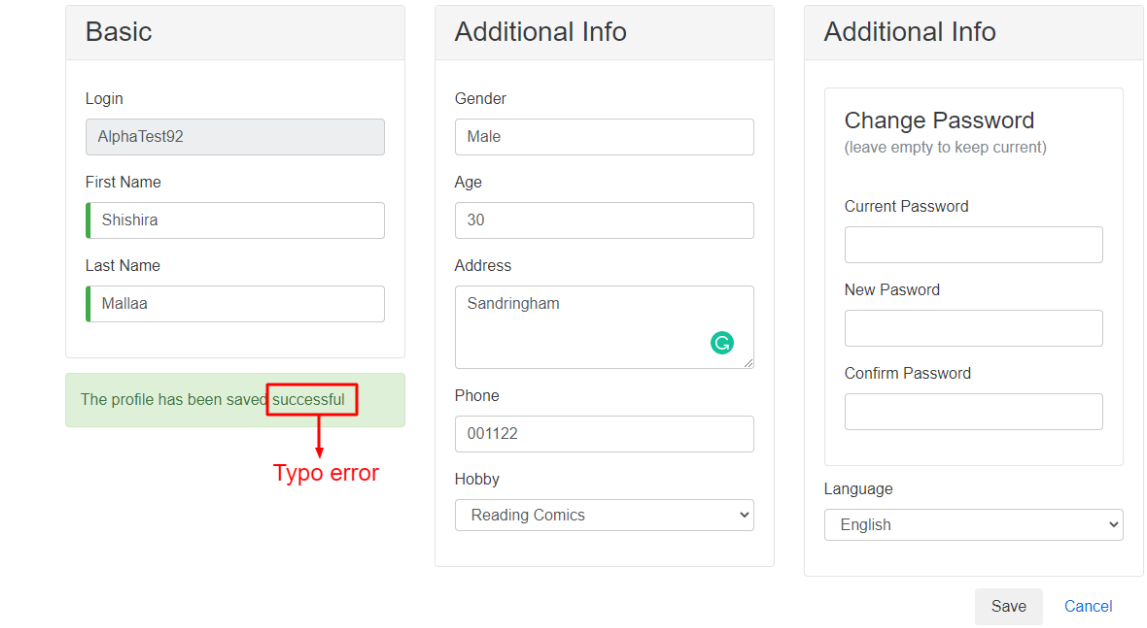


6. Placeholder text for password is missing.

7. When a user completes registration and logs in, instead of navigating them to the homepage or dashboard, the user is still kept on the registration page. This is confusing and poor user experience.
8. If a user alters something on the URL link while on make and model page, the API throws 404 but the UI is not handling it. The UI keeps displaying the spinner. Instead, it should display a message saying not found or invalid url.
9. Pagination issue: There're a total of 5 pages but the next page button >> is clickable for infinite times. This button should be disabled if it reaches the last page.

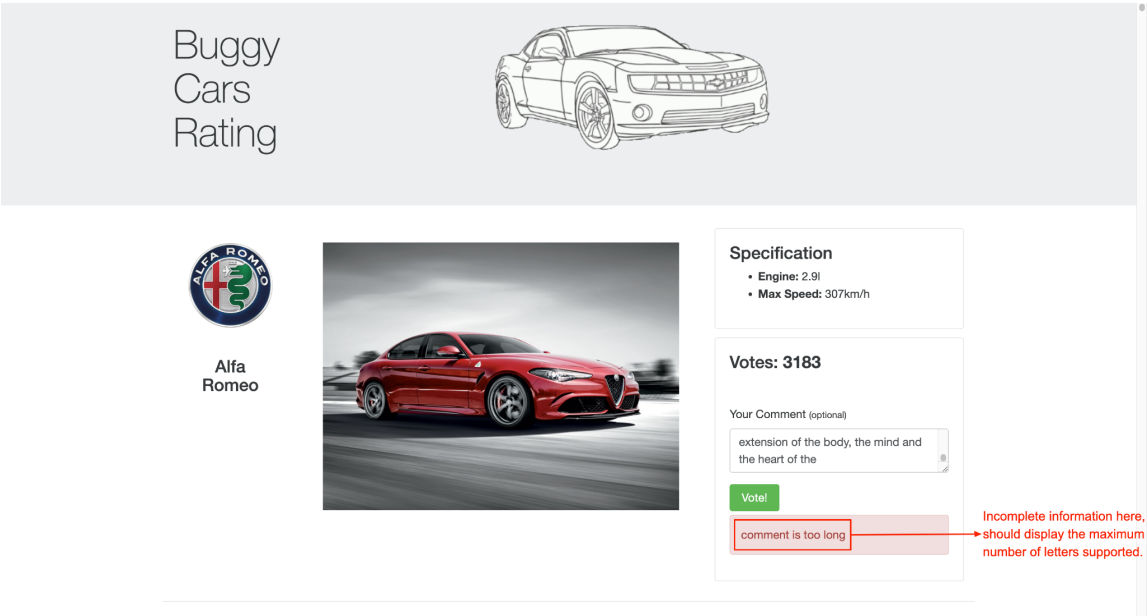


10. Typo error on update profile.



List of enhancements/feedbacks:

1. While posting a comment with the vote, if a user tries to post a long text it says the comment is too long but it does not indicate what the supported letter count is. Displaying the supported letter count makes it easier for users to type a comment.



2. The navigation bar has items ‘Hi, (user’s first name)’, Profile, Logout. To make the navigation bar tidy, we either remove ‘Hi, (user’s first name)’ menu or make it clickable and display the /profile URL and remove Profile from the menu.
3. Usernames are generally case insensitive but Buggy Cars Rating has case sensitive username. It depends upon the requirement itself but its generally recommended to make username case insensitive. Example: When i am logging into some web page, I expect to successfully login by entering either shishirmalla or Shishirmalla.
4. It’s recommended to display a password guideline on registration page.
5. Opened the page on multiple tabs, logged out on one tab and trying voting from another tab. Voting threw an error which is good but the error message can be made better. As of now, it just says ‘Unknown error’.
6. Validation messages can be made better. Currently, it displays exception names.

List of functionalities automated:

1. Registration
    a. Valid registration
    b. Invalid registration (registering with existing username)
    c. Valid login
    d. Invalid login
2. Visit the all cars list

    a. Visit all cars list and navigate back and forth through pages
3. Voting
    a. Visit a car model page
    b. Add comment
    c. Vote for a car
    d. Validate the same user can’t vote twice for same car
4. Update profile details and validate the details are updated
    a. Update first name, last name, gender, age, address, phone, hobby.
    b. Change password
5. Validate the website does not have any broken link