

# 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:**

The screenshot shows the 'Buggy Cars Rating' website. The header includes 'Buggy Rating' and user information 'Hi, Shishiram Profile Logout'. The main content area features the title 'Buggy Cars Rating' and a line drawing of a car. A large red rectangular box is drawn over the main content area, containing the text 'Details missing' in red. To the right of this box, there are three sections: 'Specification' with bullet points for 'Engine:' and 'Max Speed:', 'Votes:', and 'Your Comment (optional)' with a text input field and a green 'Vote!' button. A red rectangular box is drawn around the 'Vote!' button, and a red arrow points from this box to the text 'Voting is not functioning' written in red below the button. At the bottom left, there is a copyright notice '© 2016 Buggy Software, Inc.' and social media icons for Facebook and Twitter.

	Make	Model	Rank	Votes	Engine	Comments
	Lamborghini	GALLARDO	16	412	5.2l	Has this got 411 votes? Vinny ihyug <a href="#">View more</a>
	Bugatti	Veyron	17	305	8.0l	Has this got 304 votes? Vinny Juka comente <a href="#">View more</a>
	Lamborghini	HURACÁN	18	215	5.2l	Has this got 214 votes? Vinny iuhulggyu <a href="#">View more</a>
	Lancia	Stratos	19	191	4.3l	
	Bugatti	Chiron	20	191	7.99l	Has this got only 190 votes? test @. Vinny <a href="#">View more</a>

« 4 » page 4 of 5

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## 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	Author displayed as expected
May 21, 2022, 3:02:33 AM	naruto chipuden	hblkbhb
Apr 27, 2022, 10:04:19 AM	Gabriel Libellara	<sdgDG

Lamborghini



Your Comment (optional)

Vote!

## Diablo

This last **Diablo** in a decade of flamboyant—some daresay outrageous—sports cars first introduced in 1990 is certainly the best Diablo.

The VT is, curiously, a very high-powered four-wheel-drive beast. Situated amidst the biggest, baddest V-12 engine we've ever tested in a Diablo. For this 2000 model, Lamborghini has lengthened the stroke by 0.16 inch, lightened the crankshaft, used lighter and stronger titanium connecting rods, and updated the old 16-bit engine-control system to a more powerful 32-bit unit. As a result, peak engine output has been promoted to 543 horsepower at 7100 rpm, 20 more than found in the last Diablo. Torque is up 11 pound-feet to 457 at 5800 rpm.

Horsepower freaks take note: *This latest Diablo now has more horsepower than four four-cylinder Toyota Camrys.*

Date	Author	Comment
Jul 24, 2022, 7:14:39 PM		Has this got 2307 votes only?
Jul 24, 2022, 7:13:43 PM		TEST COMMENT2022-07-24 12:42:53.818247400
Jul 24, 2022, 5:50:37 PM		TEST COMMENT 1234
Jul 24, 2022, 2:57:15 PM		damn
Jul 24, 2022, 7:57:50 AM		2304
Jul 24, 2022, 7:36:07 AM		Second vote
Jul 22, 2022, 4:08:21 AM		hermoso
Jul 21, 2022, 12:43:18 AM		This is test comment

Author name is missing

### 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

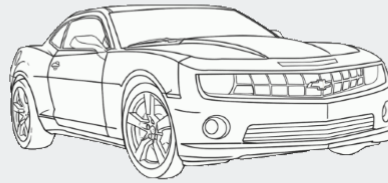
**Actual Result:** Car image is broken/not displayed

#### 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:**

# Buggy Cars Rating



Lancia



Image broken

## Specification

- **Engine:** 1.25l
- **Max Speed:** 183km/h

Votes: **183**

Your Comment (optional)

**Vote!**

## Ypsilon

Distinctive and intriguing new supermini, but Twinair engine is at odds with **Ypsilon's** luxury positioning.



## 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.

# Buggy Cars Rating

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- | Popular Make   | Popular Model   |
|--|---|
|  <p>Alfa Romeo<br/>(7804 votes)</p> |  <p>Alfa Romeo Giulia<br/>Quadrifoglio<br/>(3185 votes)</p> |

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'

### Register with Buggy Cars Rating

Login

Login is required

First Name

First Name is required

Last Name

First Name is required → Should be 'Last Name'

Password

Password is required

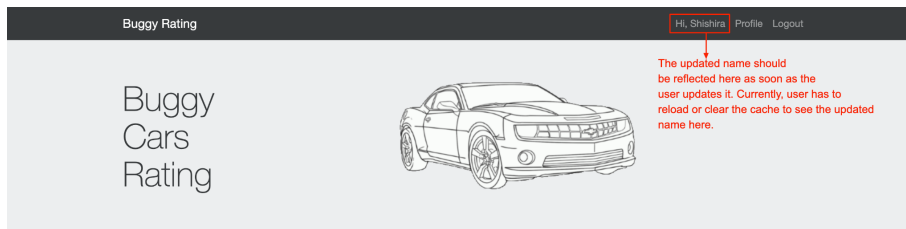
Confirm Password

Passwords do not match

Register Cancel

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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.



Basic	Additional Info	Additional Info
<p>Login</p> <p>ShishirTest1</p>	<p>Gender</p> <p>Male</p>	<p><b>Change Password</b> (leave empty to keep current)</p>
<p>First Name</p> <p>Shishir</p>	<p>Age</p> <p>55</p>	<p>Current Password</p> <p></p>
<p>Last Name</p> <p>Malla</p>	<p>Address</p> <p>Sandringham</p>	<p>New Password</p> <p></p>
	<p>Phone</p> <p>002211445522</p>	<p>Confirm Password</p> <p></p>
	<p>Hobby</p> <p>Hiking</p>	<p>Language</p> <p>English</p>
		<p>Save Cancel</p>

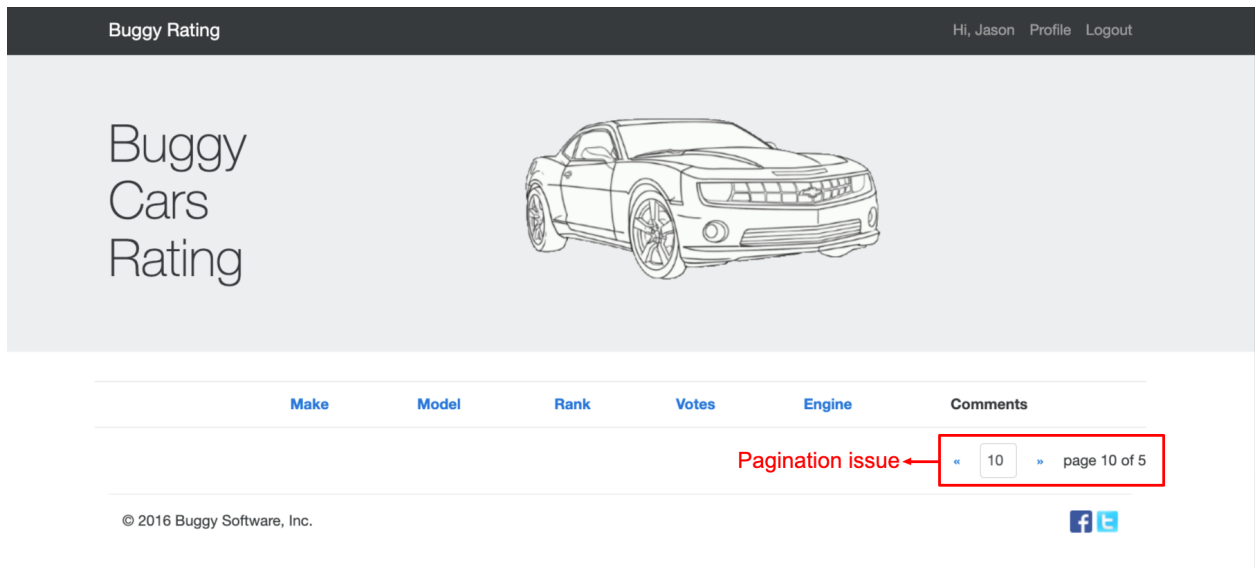
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6. Placeholder text for password is missing.



- 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.
- 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.
- 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.

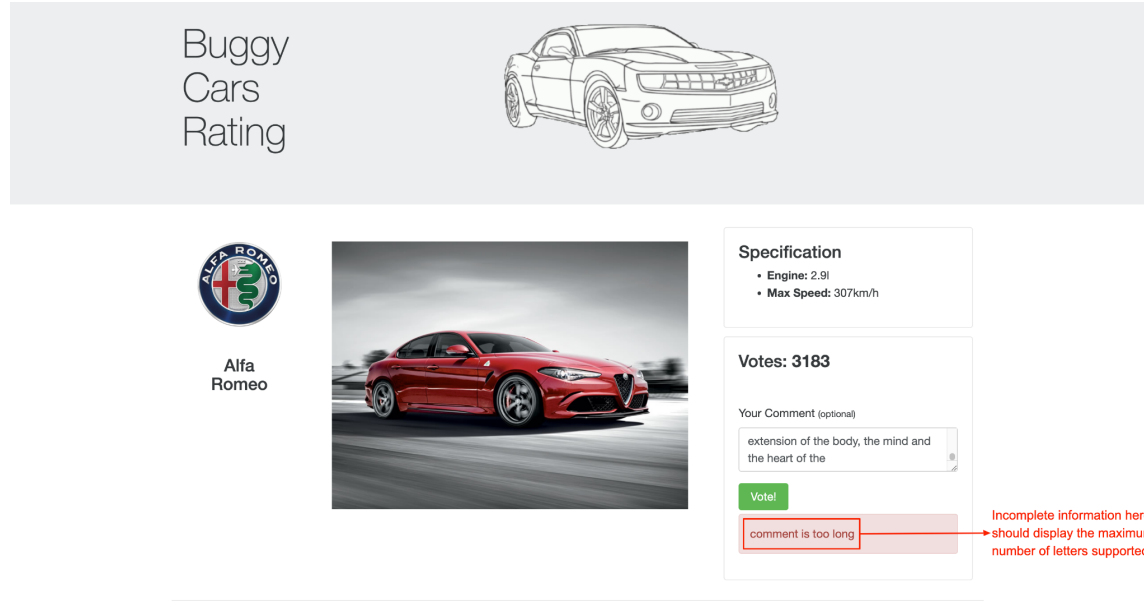


- Typo error on update profile.

The screenshot shows a user profile update form. It is divided into three main sections: 'Basic', 'Additional Info', and 'Additional Info'. The 'Basic' section contains fields for 'Login' (AlphaTest92), 'First Name' (Shishira), and 'Last Name' (Mallaa). Below these fields is a green message box that says 'The profile has been saved successfully'. A red box highlights the word 'successful' in this message, and a red arrow points to it with the text 'Typo error'. The 'Additional Info' section contains fields for 'Gender' (Male), 'Age' (30), 'Address' (Sandringham), 'Phone' (001122), and 'Hobby' (Reading Comics). The second 'Additional Info' section contains a 'Change Password' form with fields for 'Current Password', 'New Pasword' (note the typo), and 'Confirm Password', along with a 'Language' dropdown menu set to 'English'. At the bottom right, there are 'Save' and 'Cancel' buttons.

## 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