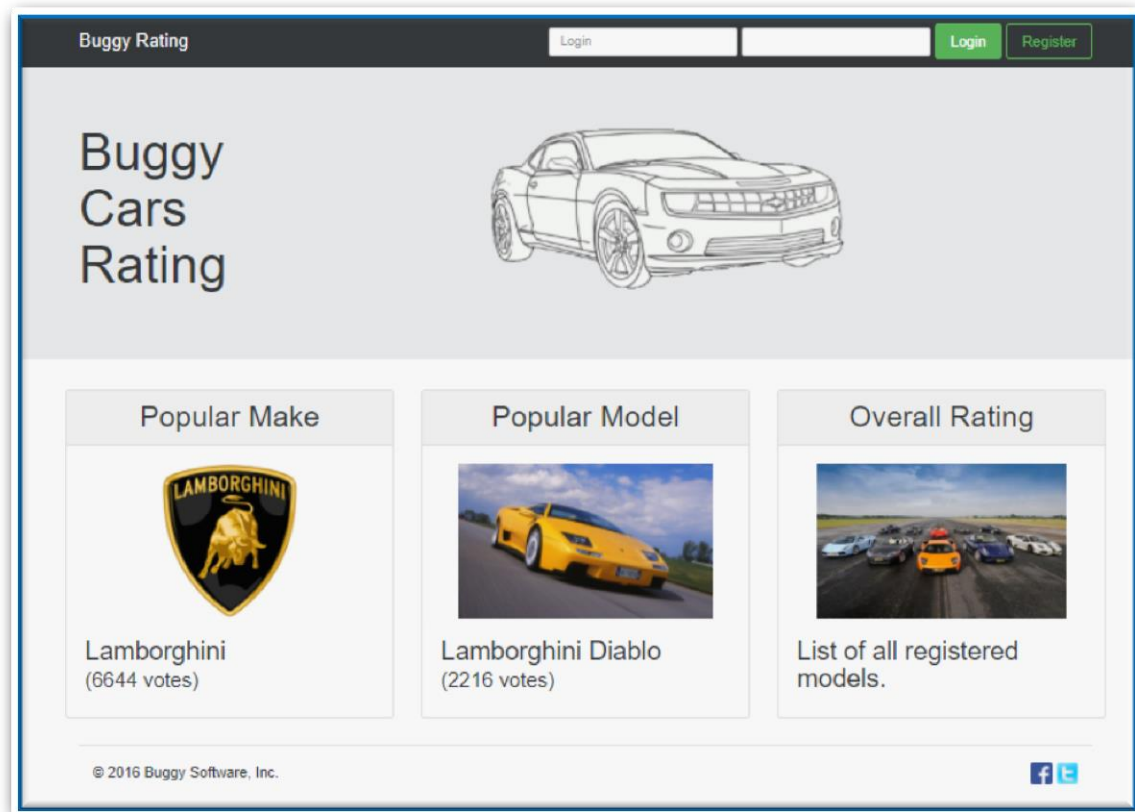


BUGGY CAR RATING WEBSITE

TEST APPROACH AND CRITICAL DEFECTS



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Date: 02 July 2021

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1. Document Purpose

The purpose of this document is to detail the test approach and outline the 3 most critical defects with the application <https://buggy.justtestit.org/> (Buggy Car Rating).

2. Test Approach

Buggy Car Rating is a site that lets users vote for their chosen Make and Model combination car. Based on the votes, the Popular Make and Popular Model are displayed on the website.

The following testing activities have been undertaken:

- Exploratory / Functional Testing
- Cross Browser Testing
- Automation Testing

2.1 Exploratory / Functional Testing

Functional Testing Coverage:

- Registration
- Login / Logout
- Invalid Login
- Profile Information
- General Navigation of the site
- Validation of information and functions available against each page
 - Popular Make
 - Popular Model
 - Overall Rating
- Voting Function and updates to ranking

2.2 Cross Browser Testing

Functional testing was carried out on windows and Mac OS.

Windows OS browser testing:

- a. Chrome
- b. Edge
- c. Firefox

On Mac OS browser testing:

- a. Chrome
- b. Safari
- c. Firefox

2.3 Automation Testing

Below is the list of 5 candidate scenarios identified for automation testing. Further details of the tests, setup and execution are documented in the README.md

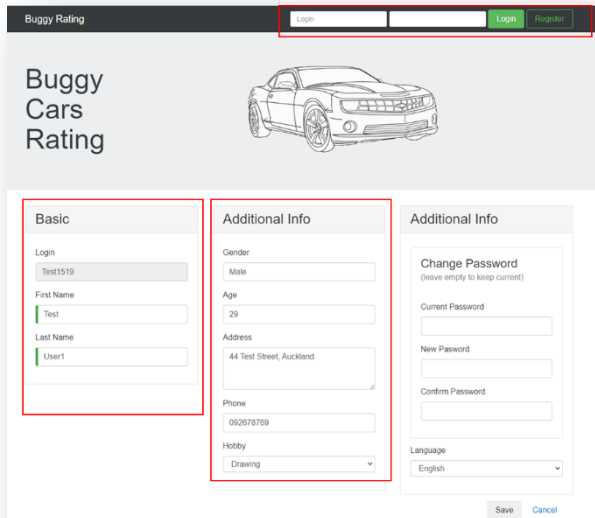
1. User Registration
2. User Profile
3. User Login
4. User Logout
5. Overall Rating Tally with Popular Model and Popular Make

3. Critical Defects















This section outlines the 3 most critical defects found with the application as per the requirement. The defect severity has been assigned based on the below severity levels.

Severity	Level	Criteria
1	Critical	Defects that prevent the application from working and no operational work-around exists.
2	Major	Defects that affect a key functionality for which there is a work-around
3	Moderate	Defects that affects parts of the functionality and testing can continue
4	Minor	Defects that affect the usability of the application

3.1 Defect #1

Defect ID	1
Defect Title	Profile information exposed after logout
Defect Description	When trying to logout from within the profile page, the profile information of the user is retained and exposed causing a security breach
Severity	1 - Critical
Steps to Reproduce	<ol style="list-style-type: none">1. Login using valid Username and Password2. Click on Profile3. Click on Logout
Browser	Chrome
Expected Result	User must be successfully logged out of the site without visibility to any user information
Actual Result	Profile page displaying user information
Workaround	Profile page disappears when Cancel is clicked. However, exposure of user information is a privacy breach, hence workaround is nullified.
Screenshot	 The screenshot shows the 'Buggy Cars Rating' application interface. At the top, there is a navigation bar with 'Login' and 'Register' buttons. Below this, the main header features the text 'Buggy Cars Rating' and a car illustration. The central part of the page contains a profile form divided into three sections: 'Basic', 'Additional Info', and 'Change Password'. The 'Basic' section includes fields for 'Login' (containing 'Test1519'), 'First Name' (containing 'Test'), and 'Last Name' (containing 'User1'). The 'Additional Info' section includes fields for 'Gender' (set to 'Male'), 'Age' (set to '29'), 'Address' (containing '44 Test Street, Auckland'), 'Phone' (containing '092578769'), and 'Hobby' (set to 'Drawing'). The 'Change Password' section includes fields for 'Current Password', 'New Password', and 'Confirm Password', along with a 'Language' dropdown menu set to 'English'. At the bottom right of the form are 'Save' and 'Cancel' buttons. Red rectangular boxes are drawn around the 'Login' and 'Register' buttons in the top bar, and around the 'Basic' and 'Additional Info' sections of the profile form, highlighting the areas of concern for the defect.

3.2 Defect #2


Defect ID	2																									
Defect Title	Sort function against Votes is random and not reflecting an ascending or Descending order																									
Defect Description	As a default, the Popular Make page is displaying the cars based on the ranking. The vote function is the only one that is providing an ability to sort, but the sort is random and not reflecting information in the right order.																									
Severity	2 - Major																									
Steps to Reproduce	<div>1. Login using valid Username and Password</div> <div>2. Click on Popular Make page</div> <div>3. Click on Votes</div>																									
Browser	Chrome on windows																									
Expected Result	When sorting on Votes, the sort must be displayed in an order (Ascending or Descending)																									
Actual Result	Sorting on Votes displaying a random order and is not consistent																									
Workaround	Exit out of the page and click back into the Popular Make page																									
Screenshot	<div><div><div>Buggy Rating</div><div><div>Hi, Test Profile Logout</div><div><div>Buggy Cars Rating</div><div></div></div></div></div><div><div>Lamborghini</div><div><div></div><div><p>Automobili Lamborghini S.p.A. is an Italian brand and manufacturer of luxury sports cars and SUVs based in Sant'Agata Bolognese, Italy. The company is owned by the Volkswagen Group through its subsidiary Audi. In 2015, Lamborghini's 1,175 employees produced 3,243 vehicles.</p><p>Ferruccio Lamborghini, an Italian manufacturing magnate, founded Automobili Ferruccio Lamborghini S.p.A. in 1963 to compete with established marques including Ferrari. The company gained wide acclaim in 1966 for the Miura sports coupe, which established rear mid-engine, rear wheel drive as the standard layout for high-performance cars of the era. Lamborghini grew rapidly during its first decade, but sales plunged in the wake of the 1973 worldwide financial downturn and the oil crisis. The firm's ownership changed three times after 1973, including a bankruptcy in 1976. American Chrysler Corporation took control of Lamborghini in 1987 and sold it to Malaysian investment group Mycom Sdnco and Indonesian group VPower Corporation in 1984. In 1990, Mycom Sdnco and VPower sold Lamborghini to the Volkswagen Group where it was placed under the control of the group's Audi division.</p><p>Lamborghini produces sports cars and V12 engines for offshore powerboat racing. Lamborghini currently produces the V12-powered Aventador and the V10-powered Huracán.</p></div></div></div><div><table><tr><th></th><th>Model</th><th>Rank</th><th>Votes</th><th>Comments</th></tr><tr><td></td><td>Veneno</td><td>2</td><td>725</td><td><div>votes</div><div>Vote count from 723 to 724</div><div>Vote count from 722 to 723</div><div>View more</div></td></tr><tr><td></td><td>Miura</td><td>6</td><td>501</td><td><div>ahadjaedji</div><div>Vote for the best Vote for the best ...</div><div>manually vote</div><div>View more</div></td></tr><tr><td></td><td>AVENTADOR</td><td>4</td><td>667</td><td><div>vote count from 665 to 666 via Po...</div><div>vote count from 664 to 665 via Po...</div><div>vote count from 663 to 664 via Po...</div><div>View more</div></td></tr><tr><td></td><td>Diablo</td><td>1</td><td>2216</td><td><div>Vote count from 2215 to 2216</div><div>Vote count from 2214 to 2215</div><div>Vote count from 2211 to 2212</div><div>View more</div></td></tr></table></div></div>		Model	Rank	Votes	Comments		Veneno	2	725	<div>votes</div> <div>Vote count from 723 to 724</div> <div>Vote count from 722 to 723</div> <div>View more</div>		Miura	6	501	<div>ahadjaedji</div> <div>Vote for the best Vote for the best ...</div> <div>manually vote</div> <div>View more</div>		AVENTADOR	4	667	<div>vote count from 665 to 666 via Po...</div> <div>vote count from 664 to 665 via Po...</div> <div>vote count from 663 to 664 via Po...</div> <div>View more</div>		Diablo	1	2216	<div>Vote count from 2215 to 2216</div> <div>Vote count from 2214 to 2215</div> <div>Vote count from 2211 to 2212</div> <div>View more</div>
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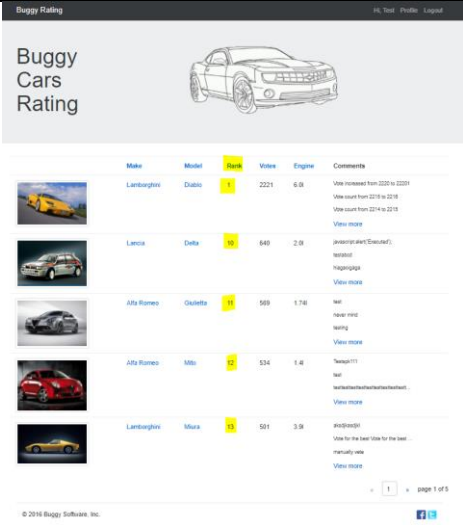
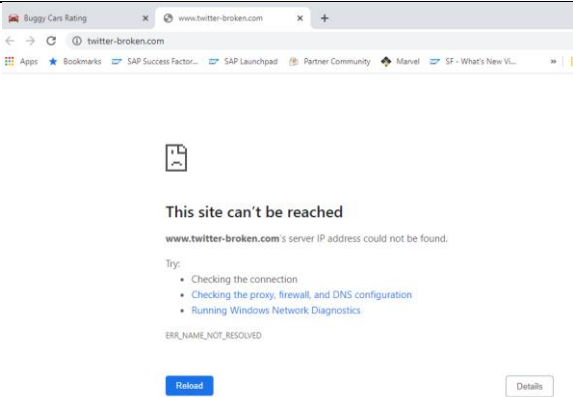
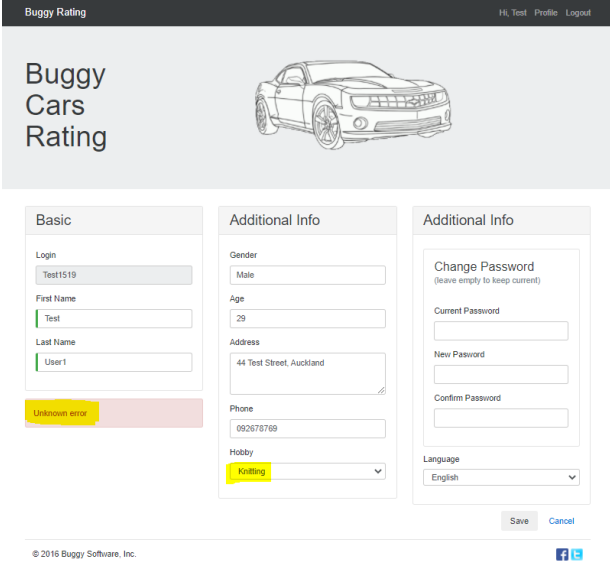
3.3 Defect #3

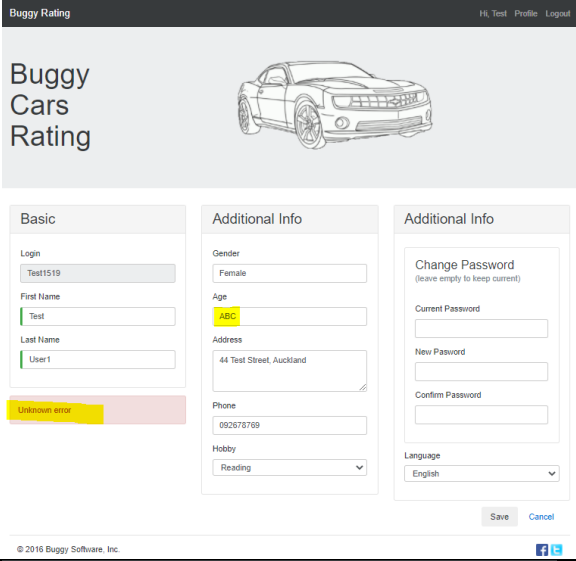
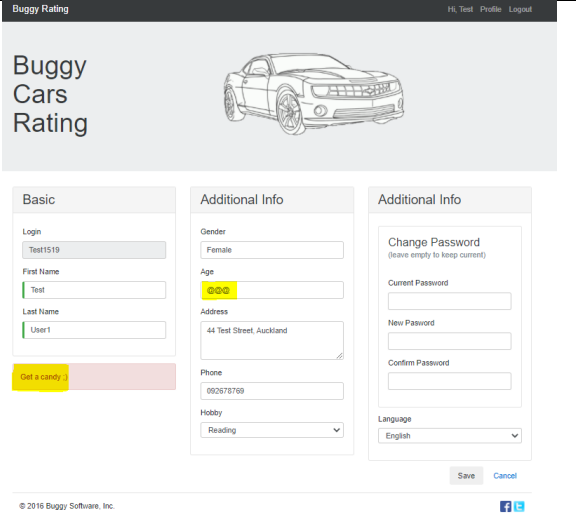
Defect ID	3
Defect Title	Popular Model page not loading
Defect Description	Popular Model page is not loading at all. Tried to launch the site in Firefox and the page is not loading
Severity	1 - Critical
Steps to Reproduce	<ol style="list-style-type: none"> 1. Launch the website in Firefox 2. Click on Popular Make
Browser	Firefox on windows and Mac
Expected Result	When clicked on Popular Model from the home page, the page must load successfully displaying the car with the largest number of votes as the popular model
Actual Result	Page not loading at all
Workaround	There is no workaround
Screenshot	<p>The screenshot shows a web browser window with the URL 'https://buggy-car-rating.com/'. The page has a dark header with 'Buggy Rating' and 'Login' and 'Register' buttons. The main content area is light gray and displays 'Buggy Cars Rating' in large text next to a line drawing of a sports car. A blue circular loading spinner is visible at the bottom center of the page, indicating that the content is not yet loaded. The footer contains the copyright notice '© 2016 Buggy Software, Inc.' and social media icons for Facebook and Twitter.</p>

4. Other Defects

In addition to the above documented critical defects, few other defects were identified as part of Functional testing. The table below outlines them:

Defect ID	Defect Summary	Steps to Reproduce	Screenshot
4	Home Navigation not working from within the Popular Make Page	<ol style="list-style-type: none"> 1. Navigate to Popular Make page 2. Click on Buggy Rating (Home button) 	 <p>The screenshot shows a web page titled 'Buggy Rating'. It features a line drawing of a sports car. Below the drawing, there is a section titled 'Lamborghini' which includes the brand's logo and a paragraph of text. The text describes the company's history, mentioning its founding in 1959 and its current status as a subsidiary of the Volkswagen Group. It also mentions the company's production of sports cars and V12 engines for off-road racing.</p>

5	Rank sort not working as Ascending or Descending within the Overall Rating page	<p>1. Navigate to Overall Rating page</p> <p>2. Click on Rank (to sort)</p>	
6	Link to Twitter broken from within Overall Rating page	<p>1. Navigate to Overall Rating page</p> <p>2. Click on Twitter icon</p>	
7	Profile update of Hobby to 'Knitting' throwing an unknown error	<p>1. Navigate to Profile Page</p> <p>2. Update the Hobby to Knitting</p> <p>3. Click Save</p>	

8	Age when recorded incorrectly is not displaying the validation error message but throwing unknown error	<ol style="list-style-type: none"> 1. Navigate to Profile page 2. Enter alphabetical characters 3. Click Save 	
9	Website wants me to Get a Candy 🍬	<ol style="list-style-type: none"> 1. Navigate to Profile page 2. Enter special characters in the Age field (e.g. @@@) 3. Click Save 	
10	Password is sent as clear text on register page API call	<ol style="list-style-type: none"> 1. Click on Register button 2. Enter all the required credentials 3. Click Register 4. Check the registration data using development tools 	