

# Test Plan / Strategy / Bug Report

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## Introduction

This Test Plan covers QA/testing activities to be performed on this trial

## Approach / Types of Test / Tools

For testing this application I would consider the scope below:

<b>Front End</b>	Web	
	Responsiveness	<ul style="list-style-type: none"><li>• Chrome dev tools</li></ul>
	Browser Compatibility (most recent version for each browser)	<ul style="list-style-type: none"><li>• Chrome</li><li>• Safari</li><li>• Firefox</li><li>• Windows</li></ul>
	Accessibility	<ul style="list-style-type: none"><li>• Lighthouse</li><li>• Wave</li></ul>
	Performance	<ul style="list-style-type: none"><li>• Lighthouse</li></ul>
	Automation	<ul style="list-style-type: none"><li>• Ghost Inspector</li></ul>
<b>Backend</b>	API testing	<ul style="list-style-type: none"><li>• Postman / Proxyman</li></ul>

## Front End

<https://buggy.justtestit.org/>

## Backend APIs

For the backend testing I would use **Postman** as I would be able to create some automation tests using a little bit of scripts. Postman provides quick scripts that can also be increased by using javascript.

I would also use **Proxyman** to intercept the requests and add other types of values to the fields to check different behaviours.

These are the API's called by buggy website and I would be considering for testing as well:

<https://k51qrygov3.execute-api.ap-southeast-2.amazonaws.com/prod/users/current>  
<https://k51qrygov3.execute-api.ap-southeast-2.amazonaws.com/prod/dashboard>  
<https://k51qrygov3.execute-api.ap-southeast-2.amazonaws.com/prod/makes/>  
<https://k51qrygov3.execute-api.ap-southeast-2.amazonaws.com/prod/models/>

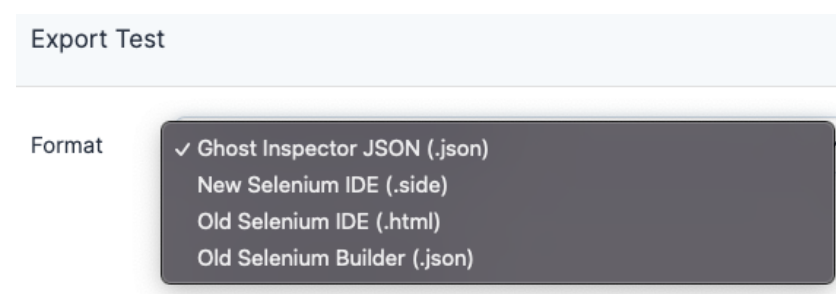
## Automation approach

As I'm not familiar with C# and have a tight deadline for this trial, I ended up choosing a Codeless tool for the automation approach.

Codeless tools nowadays use AI and can increase Effectiveness, Speed, Flexibility. It would save time where a tester could be focusing on other types of testing as well increasing coverage.

I have created a simple test using Ghost Inspector (<https://ghostinspector.com/>) and have exported it as a json file to be visible in Github.

Ghost Inspector also allows exporting the test files on these formats:



## Accessibility / Performance approach

For Accessibility and quick Performance checks, I would choose 2 easy and efficient tools “Lighthouse” and “Wave”, both tools provide helpful insights of what can be improved.

*Report is also attached to this doc.*

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## Front End Bugs Report

(There was a request to show 3 to 5 bugs but I have listed a few more. I would give a recommendation of what to fix first, but in my humble point of view they are all important to raise)

### Credentials:

<https://buggy.justtestit.org>

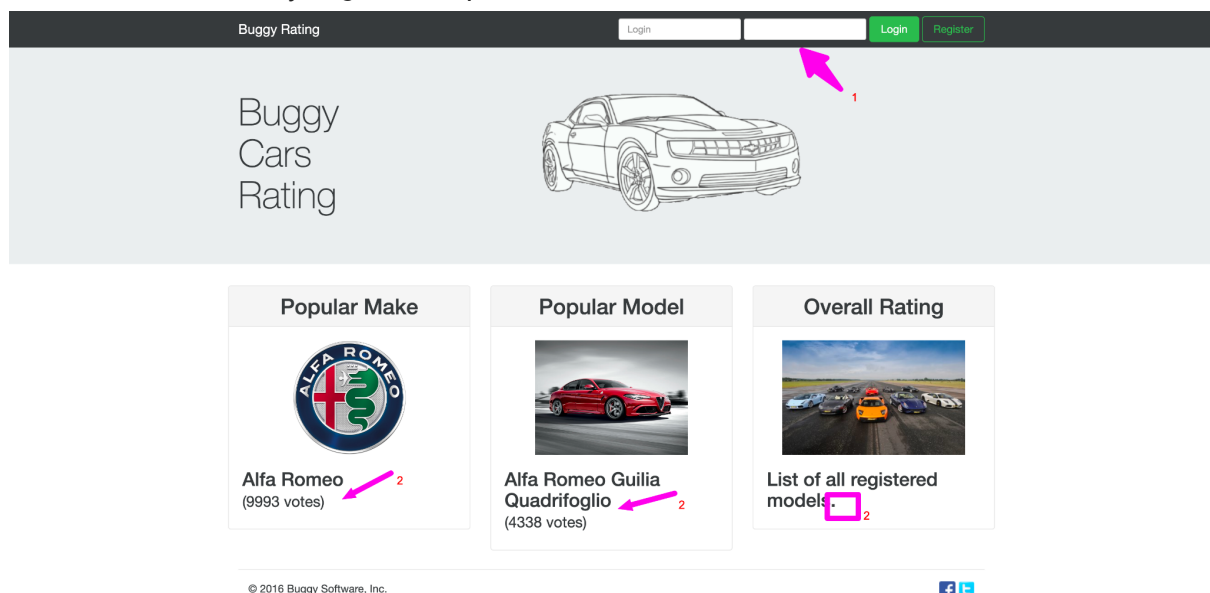
User:

Mariaaaa




Test123@

### Home Page:

1. No placeholder for “Password”
2. No consistency in grammar punctuation



3. Tiles are not aligned

Popular Make	Popular Model	Overall Rating
 Alfa Romeo (9993 votes)	 Alfa Romeo Giulia Quadrifoglio (4338 votes)	 List of all registered models.

### Registering:

1. Ideally `InvalidPasswordException` shouldn't be presented as part of the error message, it doesn't look user friendly. I would suggest this to be updated. Password policy is also not explicit, so every try I get a different exception. It would be ideal to show what the requirements are at once.

## Register with Buggy Cars Rating

Login

First Name

Last Name

Password

Confirm Password

`InvalidPasswordException`: Password did not conform with policy:  
Password must have uppercase characters

## Register with Buggy Cars Rating

Login

test.test

First Name

Test

Last Name

Maria

Password

.....

Confirm Password

.....

Register

[Cancel](#)

InvalidPasswordException: Password did not conform with policy:  
Password must have uppercase characters

2. After making several attempts to Login with a successful registered user, I keep getting invalid username/password. I had to try many different registrations before being able to login.

Invalid username/password

test123456

.....

Login

Register


### Models:

When clicking on any of the title links of the table, Only "Model" re-ordered the table, Rank and Votes don't.

Model	Rank	Votes	Comments
Mito	2	2078	great car Haciendo el curso de testing

### Overall Rating:

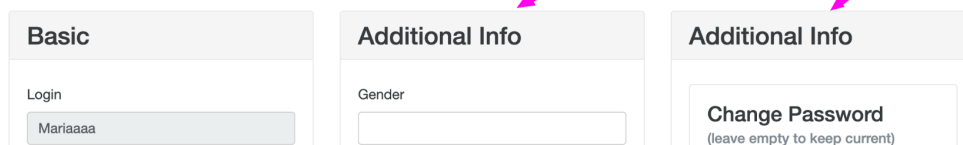
1. Page number 5 has a broken image

	Make	Model	Rank	Votes	Engine	Comments
	Lancia	Ypsilon	21	218	1.25l	Creo q es una injusticia q Ferrari ... Jose AN m m <a href="#">View more</a>

« 5 » page 5 of 5

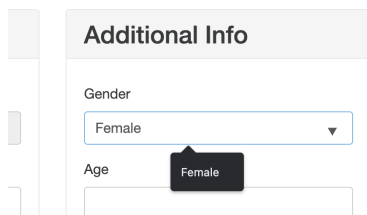
## Profile:

1. Two sections with the same name. I believe the second should be "Credentials"



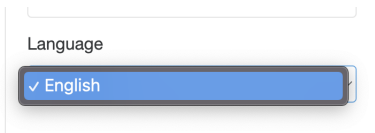
The form consists of three main sections: 'Basic', 'Additional Info', and another 'Additional Info'. The 'Basic' section contains a 'Login' field with the value 'Mariaaaa'. The first 'Additional Info' section contains a 'Gender' dropdown menu. The second 'Additional Info' section contains a 'Change Password' button with the text '(leave empty to keep current)'.

2. Drop down from "Gender" differs from "Hobby" style
3. For Gender, After selecting one option can't unselect or select other option



The 'Additional Info' section shows a 'Gender' dropdown menu with 'Female' selected. Below it is an 'Age' field with a placeholder 'Female'.

4. Language options restricted to English, if there's the field it should have options



The 'Language' dropdown menu shows 'English' selected with a checkmark.

## Comments:

1. "Comment is too long" message - ideally the message should tells how many characters are accepted



The 'Comments' section shows a 'Votes: 4338' count. Below it is a 'Your Comment (optional)' text area containing the text 'TEST 123456789 Test TEST 123456789 Test TEST 123456789 Test TEST'. Below the text area is a green 'Vote!' button. At the bottom, a red error message says 'comment is too long'.

2. Long comment adding an unnecessary horizontal scroll to the screen, not ideal in terms of design. It would be better to add an extra line instead of a scroll bar

Guilia Quadrifoglio

New Giulia Quadrifoglio represents more than the most powerful Alfa Romeo ever created for street use. It represents a convergence of engineering and emotion that can only belong to a brand as fabled as Alfa Romeo.

Here's to a sports badge born 106 years ago that still stands for something totally original today: a passion for motoring unlike any other. Visceral. Energetic. Technological. Crafted.

The technology behind New Giulia Quadrifoglio is created to enhance performance and to give great driving sensations. The human/machine relationship is always at the core of all innovation to create a car that is a natural extension of the body, the mind and the heart of the driver.

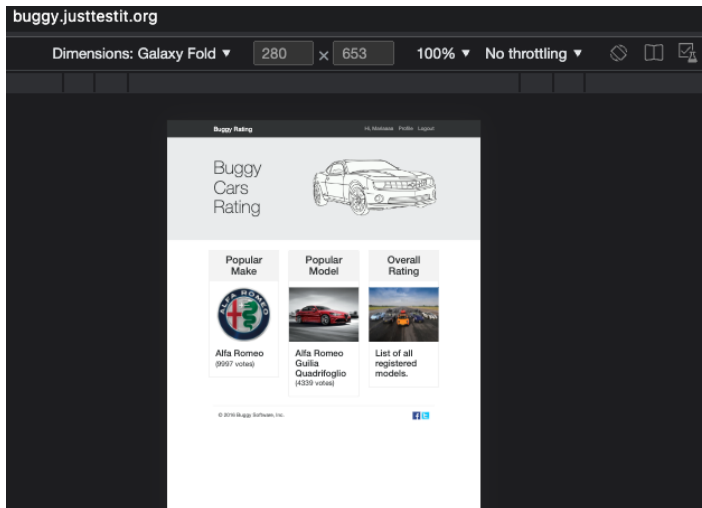
Date	Author	Comment
Mar 16, 2023, 10:48:58 PM		Test TEST 123456789 !@#\$%^&'*()-_[]{} ;:,./<>? Test TEST 123456789 Test TEST 123456789 Test TEST 123456789 Test TEST 123456789 Test TEST 123456789 1
Mar 16, 2023, 3:49:19 PM		ME FACINA
Mar 16, 2023, 1:03:49 PM		great car
Mar 15, 2023, 5:17:31 PM		This is my 263387 comment

3. "Author" column is empty

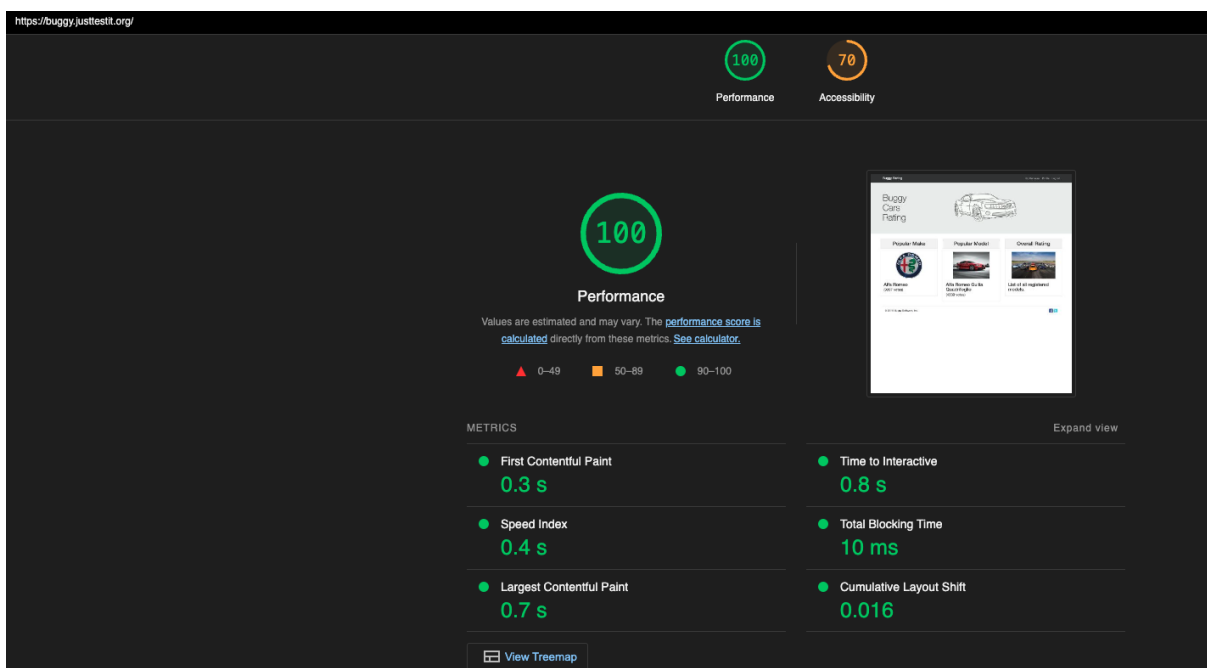
Date	Author	Comment
Mar 16, 2023, 10:48:58 PM		Test TEST 123456789 !@#\$%
Mar 16, 2023, 3:49:19 PM		ME FACINA
Mar 16, 2023, 1:03:49 PM		great car
Mar 15, 2023, 5:17:31 PM		This is my 263387 comment

## Responsiveness Report

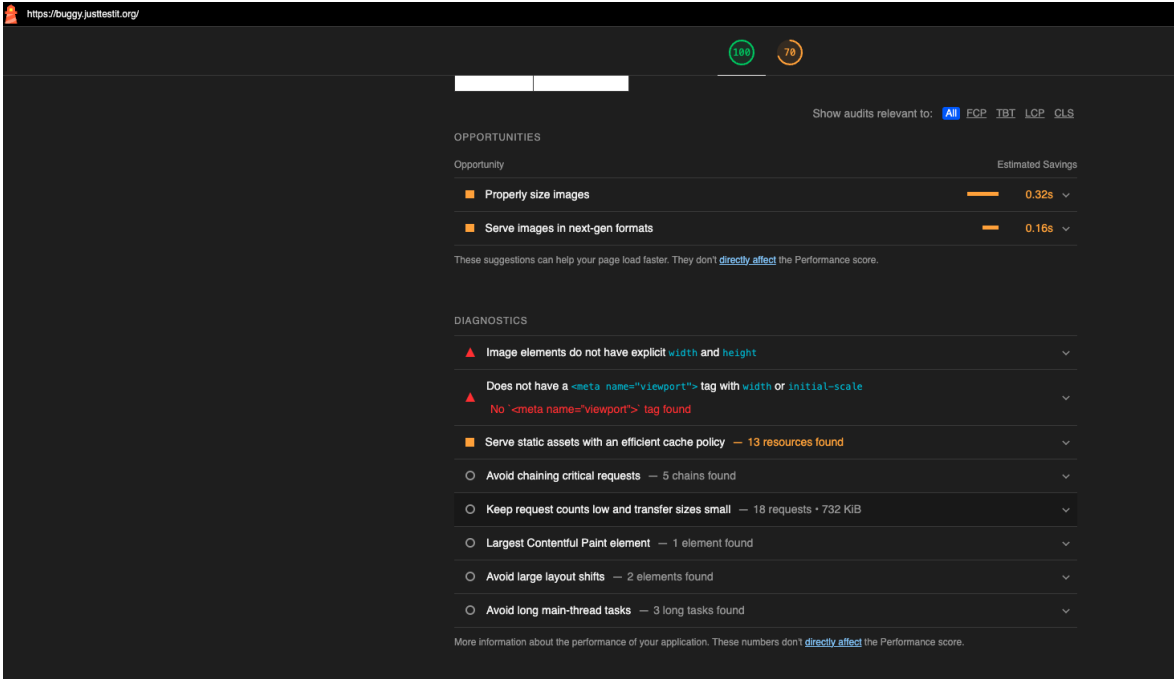
Web application is not responsive with Chrome



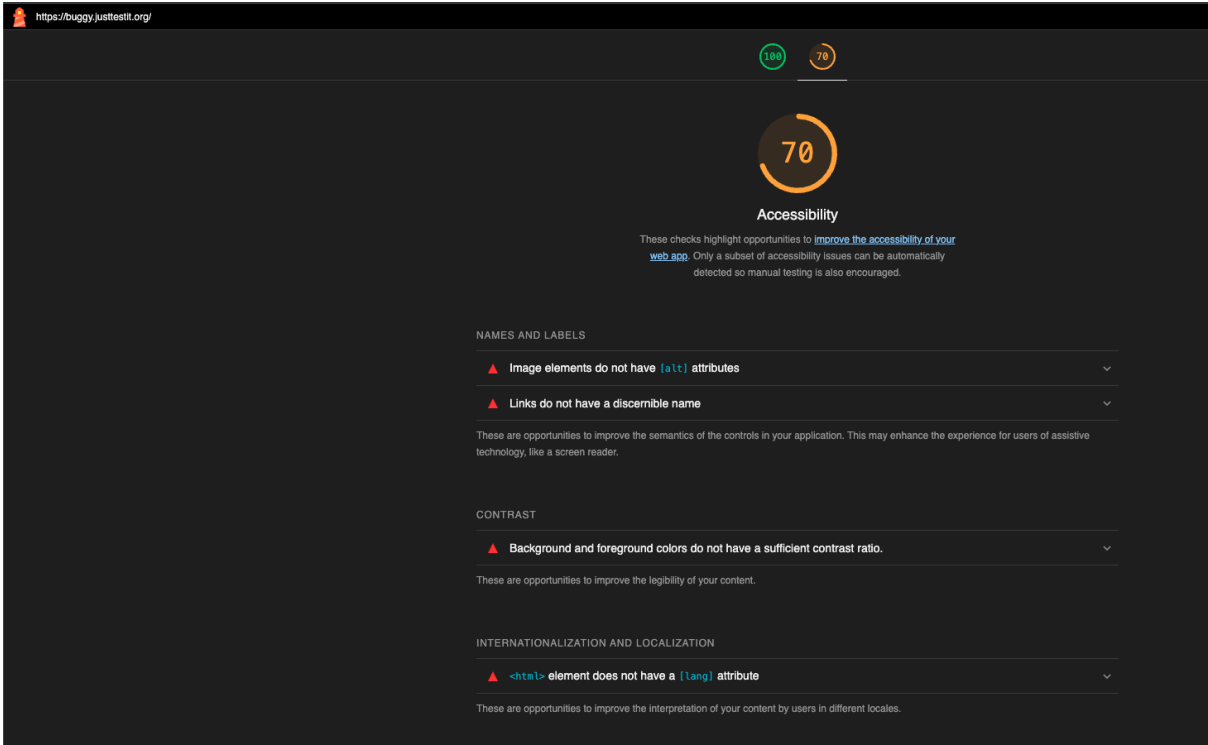
## Lighthouse (Performance) Report







# Lighthouse (Accessibility) Report



# Wave (Accessibility)

W WAVE

web accessibility evaluation tool

powered by [Wave](#)

Styles: OFF ON

Details

Summary

Details

Reference

Order

Structure

Contrast

5 Errors

1 X Missing alternative text

3 X Linked image missing alternative text

1 X Language missing or invalid

2 Alerts

2 X Image with title

13 Structural Elements

1 X Heading level 1

3 X Heading level 2

3 X Heading level 3

1 X Unordered list

1 X Header

1 X Navigation

2 X Main content

1 X Footer

The following apply to the entire page:

Buggy Rating

Hi, Mar/aaaa Profile Logout

Buggy Cars Rating

Popular Make

Alfa Romeo

Alfa Romeo

9997 votes

Popular Model

Alfa Romeo Quadrifoglio

Alfa Romeo Guilia Quadrifoglio

4339 votes

Overall Rating

List of all registered models.

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