

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:

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

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 2 different approaches:

1. Cypress

Cypress is an end-to-end testing framework for web applications. It is an open-source JavaScript-based testing tool that allows developers/testers to write and run automated tests for web applications. Its ease of use, intuitive syntax, and fast test execution times.

- Download the "buggy_automation" file
 - main files for this test automation are:
 - Login.cy.js
 - Models.cy.js
- To install cypress, I have used the following sequence:
- Using the Visual Studio terminal, commands
 - ***npm install cypress --save-dev***
 - ***npm install -g npm*** (if don't have npm installed)
 - ***npm start***
 - ***npx cypress open*** (to open cypress)
- Follow instructions given by cypress installer

2. **Ghost Inspector** (Codeless tool)

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:

Export Test

Format

- ✓ Ghost Inspector JSON (.json)
- New Selenium IDE (.side)
- Old Selenium IDE (.html)
- Old Selenium Builder (.json)

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.

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:

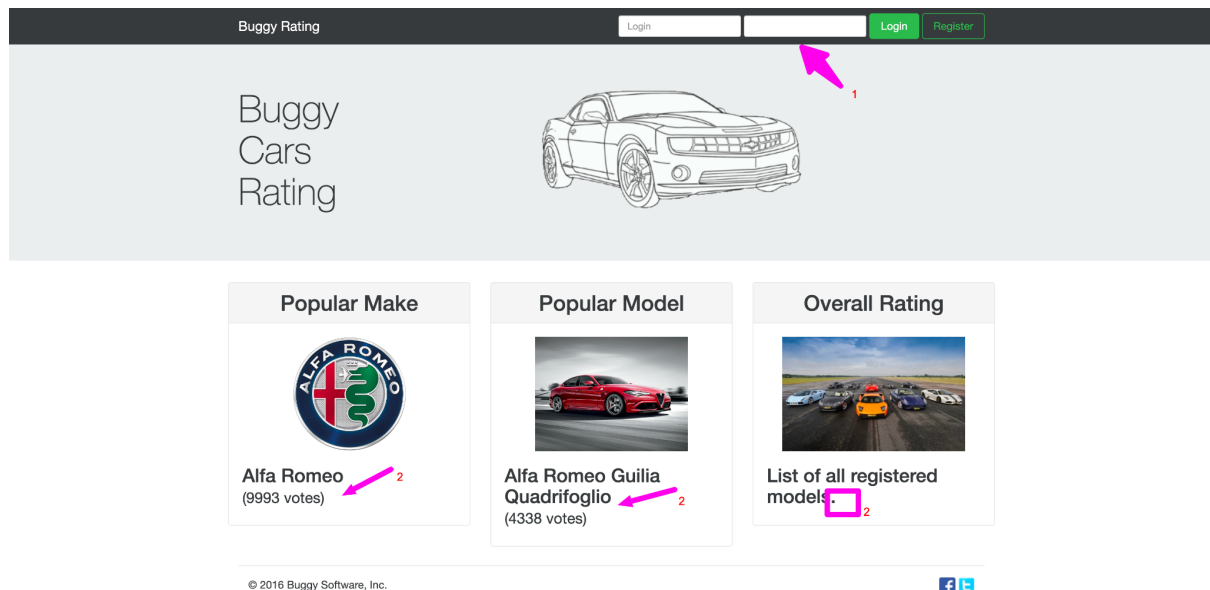
Mariaaaa

Test123@

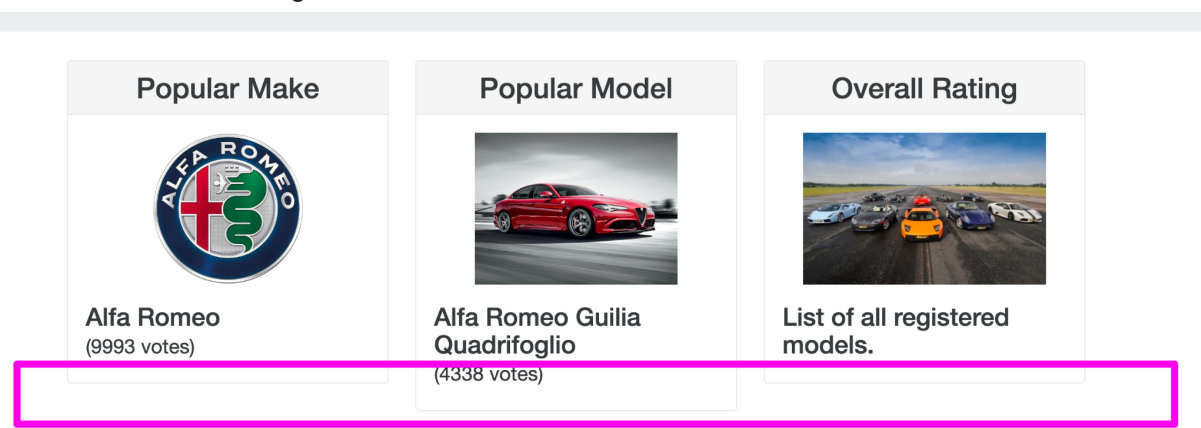
Home Page:

1. No placeholder for “Password”

2. No consistency in grammar punctuation



3. Tiles are not aligned



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

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

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:

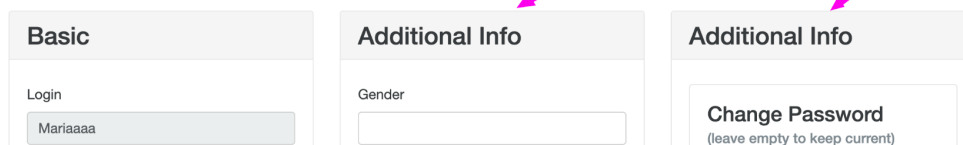
1. Page number 5 has a broken image

	Make	Model	Rank	Votes	Engine	Comments
	Lancia	Ypsilon	21	218	1.25l	Creo q es una injusticia q Ferrari ... Jose AN m m View more

« 5 » page 5 of 5

Profile:

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



Basic

 Login

Additional Info

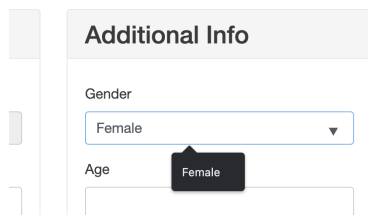
 Gender

Additional Info

Change Password

 (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



Additional Info

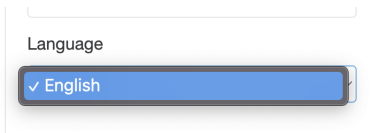
 Gender

Female ▼

 Age

Female

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



Language

✓ English

Comments:

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



Votes: 4338

 Your Comment (optional)


TEST 123456789 Test TEST
 123456789 Test TEST 123456789 Test
 TEST 123456789 Test TEST

Vote!

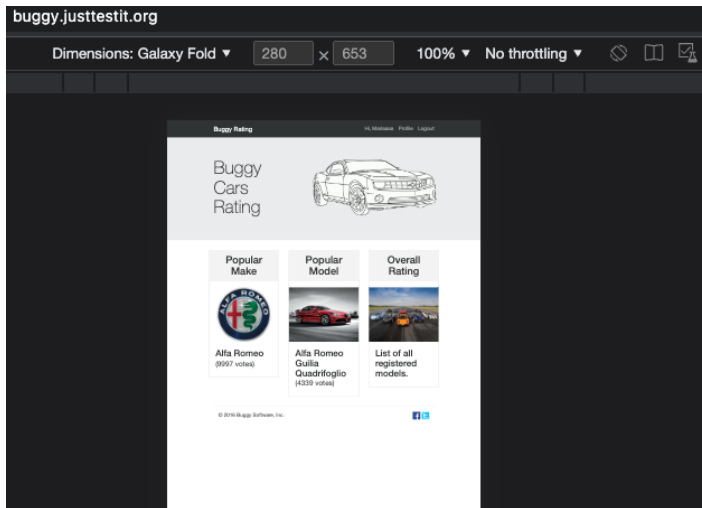
comment is too long

- © 2006 The Authors
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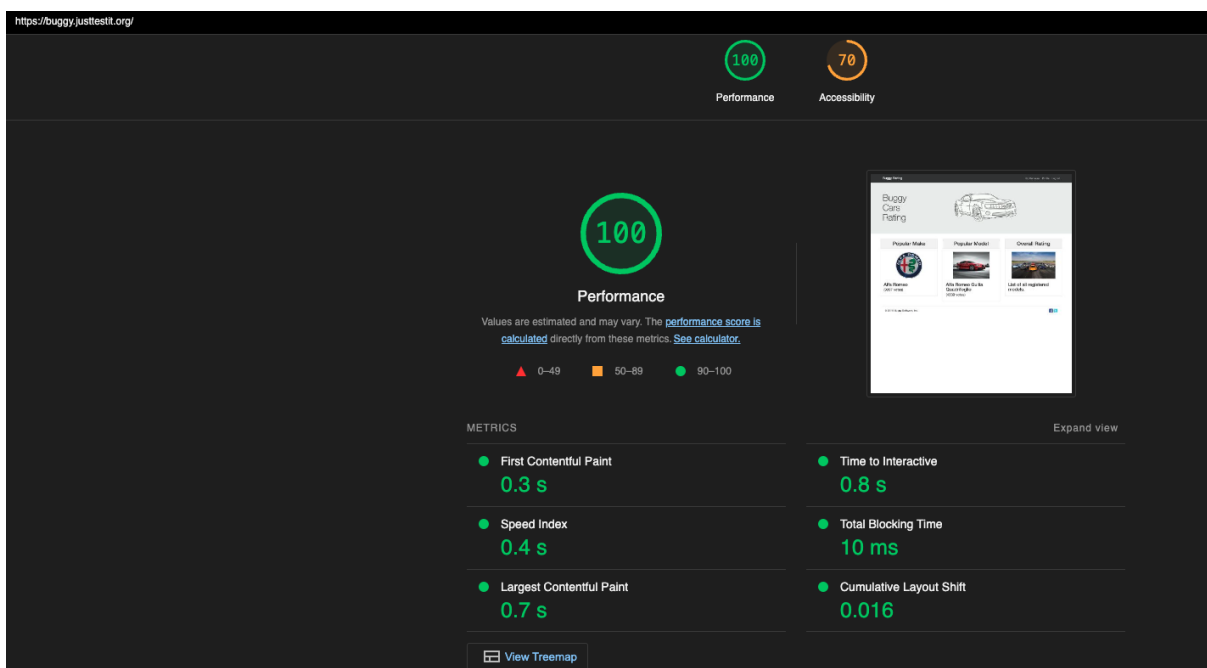
-

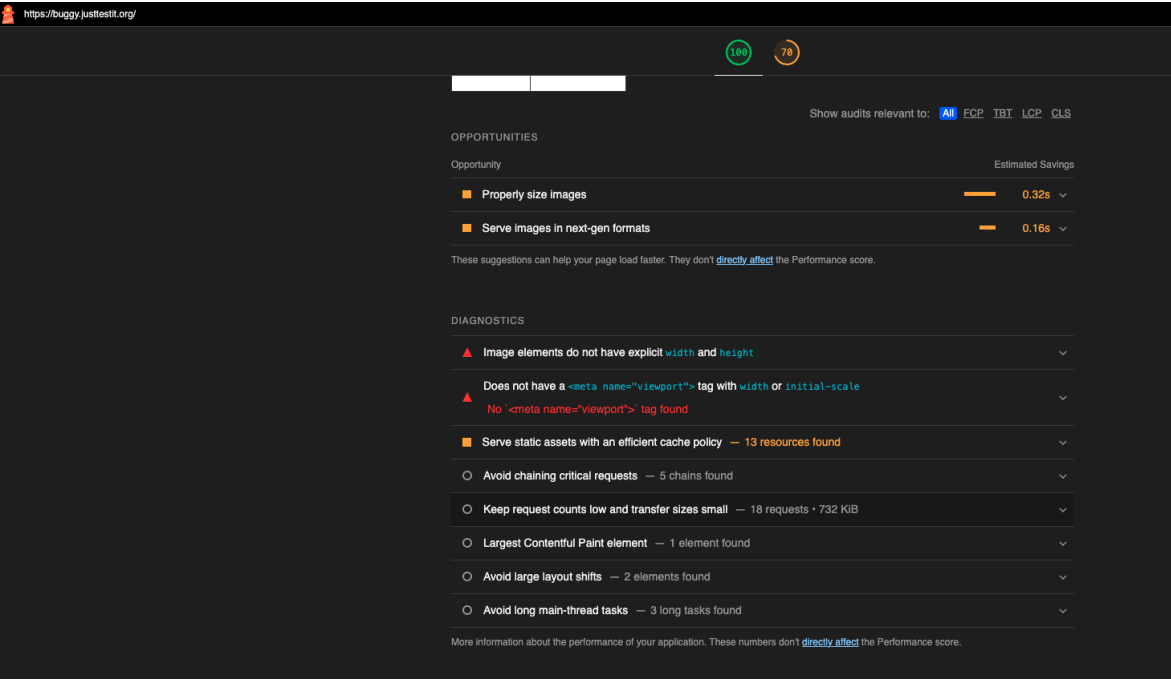
Date	Author	Comment
Mar 16, 2023, 10:48:58 PM		Test TEST 123456789 !@#\$(
Mar 16, 2023, 3:49:19 PM		ME FACINA
Mar 16, 2023, 1:03:49 PM		great car
Mar 15, 2023, 5:17:31 PM		This is my 263387 comment

Web application is not responsive with Chrome

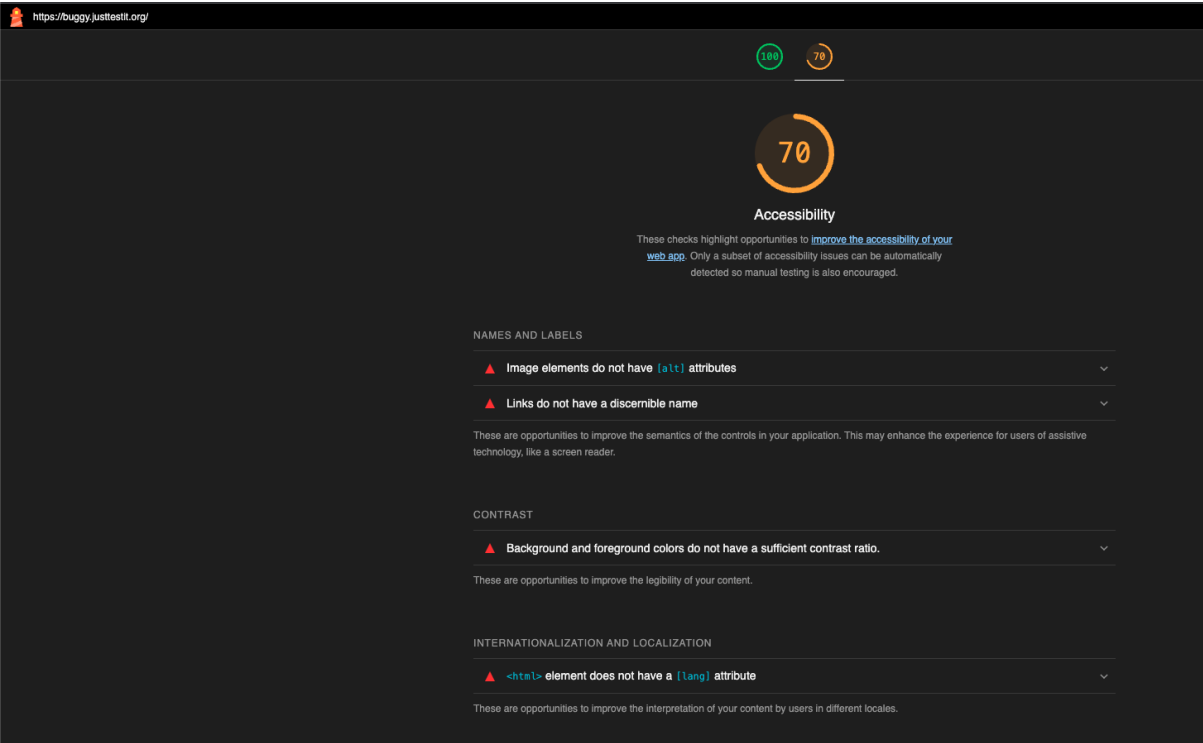


Lighthouse (Performance) Report





Lighthouse (Accessibility) Report



Wave (Accessibility)

W WAVE

powered by [Wave](#)

web accessibility evaluation tool

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/asiaa Profile Logout

Buggy Cars Rating

Popular Make

Alfa Romeo

Alfa Romeo

9997 votes

Popular Model

Alfa Romeo Guilia Quadrifoglio

Alfa Romeo Guilia Quadrifoglio

4339 votes

Overall Rating

List of all registered models.

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