

Assignment 4 – Accessibility Design Report

1. WAVE ACCESSIBILITY REPORTS

Home Page

The following apply to the entire page:

- en*
- 4

TESLA Test Drive

WAVE powered by WebAIM
web accessibility evaluation tool

Address: <https://mdia4302.phanp.com/assign4Origin>

Styles: OFF ON

Details

Summary Details Reference Structure Contrast

- 1 Errors
 - 1 X Linked image missing alternative text
- 2 Contrast Errors
 - 2 X Very low contrast
- 5 Alerts
 - 1 X No page regions
 - 1 X Redundant link
 - 3 X HTML5 video or audio
- 5 Features
 - 4 X Null or empty alternative text
 - 1 X Language
- 14 Structural Elements
 - 1 X Data table
 - 3 X Table header cell
 - 2 X Heading level 1
 - 4 X Heading level 2
 - 4 X Unordered list

If an icon does not appear within the page, turn off Styles above to view it.

Introducing, Cybertruck

Meet the New Guy

Revolutionizing the truck industry with its' unique styling and unmatched towing capacity. With up to 3,500 pounds of payload capacity and adjustable air suspension, Cybertruck is the most powerful tool we have ever built, engineered with 100 cubic feet of exterior, lockable storage — including a

Test Drive Page

The following apply to the entire page:

- pen*

TESLA Home

h1 Test Drive

h2 Schedule a Touchless Test Drive

The new default for a zero-contact experience. Learn more online to prepare for your self-guided appointment.

Drivers must have a valid driver's license and be 18 years of age or older.

First Name

Last Name

Email Address

Phone Number

Insert Valid 10 Digit Phone Number

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Styles: OFF ON

Details

Summary Details Reference Structure Contrast

- 1 Errors**
 - 1 X Linked image missing alternative text
- 2 Contrast Errors**
 - 2 X Very low contrast
- 9 Alerts**
 - 6 X Fieldset missing legend
 - 1 X No page regions
 - 1 X Redundant link
 - 1 X HTML5 video or audio
- 12 Features**
 - 11 X Form label
 - 1 X Language
- 3 Structural Elements**
 - 1 X Heading level 1
 - 1 X Heading level 2
 - 1 X Unordered list

If an icon does not appear within the page, turn off Styles above to view it.

2. ADDRESSING ACCESSIBILITY ISSUES

2.1 Errors

Both pages, the Tesla logo in navigation menu was flagged “Linked image missing alternative text” issue. I added alt text to correct issue.

2.2 Contrast Issues

Both pages, the nav menu link was flagged with 1:1 “Very low contrast issue”. I believe the issue here is in my CSS, by using a transparent background WAVE is reporting a #000 foreground on #000 background. However, identifying the background colour of navbar is #D5DEDB and manually checking against #000 foreground I get a pass of 15.3:1 contrast ratio. I will identify this as N/A leave as is.

Home page, the “Test Drive” button #FFF foreground on #F99A00 has a failed contrast ratio of 2.17:1. To correct this, I changed the foreground to #000 to get passing contrast ratio of 9.65:1.

Test Drive page, the “Let's Go” button failed at 1.94:1 contrast ratio. I changed foreground from #FFF to #000 on #F0AD4E to get passing contrast ratio of 10.79:1.

2.3 Alerts

Both pages flagged with “No page regions” issues. To meet accessibility standards, I nested my current page elements as required within HTML5 structural elements in combination with corresponding ARIA roles. However, running it through the [W3C Validator](#) I am getting a warning identified roles are unnecessary for elements. I will follow the course notes and leave as is but resolving all other validation issues.

Test Drive page form is flagged with “Fieldset missing legend”. I've included a <legend> element as required for <fieldset> elements to meet accessibility standards but have hidden from view on page.

Additionally, "Redundant link" and "HTML5 video or audio" alerts have been flagged on both pages:

- Redundant link: I will leave as is to maintain site design, usability.
- HTML5 video or audio: Video elements used do not contain audio, therefore, I will identify as N/A and leave as is not providing captioning or transcript.

2.4 Features

Both pages, images flagged with "Null or empty alternative text. I have included descriptive alternative texts for all images used.

2.5 Structural Elements

Overall structural elements have been expanded, improved by including HTML5 structural elements along with corresponding ARIA roles.