KRAUSE ELECTRIC CARS DETAILED DESIGN REPORT

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KREAUSE ELECTRIC CARS 3 Cherrywood Cres Llanarth

Contents:

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Concept Map

In order to ensure an efficient and user-friendly interface, a number of design elements must be carefully considered when creating a website for Krause electric cars. The basic qualities required to create a website of that kind are described in this report, with an emphasis on technical integrity, visual appeal, content clarity, and usability. In order to make sure that the marker can see the styling, I have chosen to use a wide range of conflicting colours for this assignment.

User-friendly Navigation and Interface:

For any website to be useable by people and kept in and of a manner that allows for this navigation and interface must be taken into account at the design stage to ensure this requirement is met.

Users should be directed to the various sections of the website that are of greater importance with clear and concise use of the tools web developers have at their disposal.

Content Clarity:

The information on the website should be clear, concise, and educational, giving users all the knowledge they need to understand Krause Electric Cars. This comprises:

Concise Descriptions: Product, service, and company information should be described succinctly to avoid confusing visitors with too much information.

Visual Aids: By including pertinent photos and videos, you can visually engage visitors and highlight important points, which will improve their comprehension of Krause Electric Cars, such as a logo image.

Professional Design Reflective of Brand:

The website should have a professional feel to it and should represent the brand identity of Krause Electric Cars.

Components of Branding: The website's use of the Krause electric cars logo, colour scheme, and typography upholds brand recognition and brand consistency.

Clean Design: A design style that is simple and uncluttered helps to project professionalism and keeps visitors from becoming sidetracked or confused.

Validation of HTML and CSS Files:

Ensuring the validity of external CSS files and HTML is essential. To find and correct any mistakes or inconsistencies, validation will be carried out using W3C Markup Validation Service and the W3C CSS Validation Service fro both my HTML code and CSS.

Folder Structure for File Organization:

Maintainability and accessibility are improved by arranging graphics, text, HTML files, and other resources in a sensible folder structure.

Best practices consist of:

Different Folders: For the use case of keeping related and unrelated content easily accessible and organised as well as differentiated, I will create distinct folders for images, documents, CSS files, and HTML files aswell as any other assets I may use.

Descriptive Naming: To ensure clarity and ease navigation, give folders and files descriptive names pertinent to their expected content this way they are easily identifiable in future.

For a more detailed and professional feel for the website and more overall applicable content I have opted to add extra pages for more informed navigation my initial concept is as follows:

Index – Main Page

This will act as the landing page for the website displaying majority of the navigation In the body aswell as other key navigation requirements in the to be designed header.

About:

An expanded about page containing neater, better formatted text, I am planning to use a fixed container width in order to achieve this.

Resume

For this variant of the website rather than using href for my resume and my feedback form I plan to integrate a PDF embedded into the browser to which it can be viewed and downloaded.

Web Skills

The web skills page will be mainly unchanged with minor styling fixes added to brin git upto speed with the new website theme.

Products

The products page will contain information regarding the services Krause electric cars offers in regards to vehicular restoration, I may transition this into a portfolio page in

Car1

An example of the work that the company has been able to produce with a detailed breakdown of what has been done to keep styling up to date.
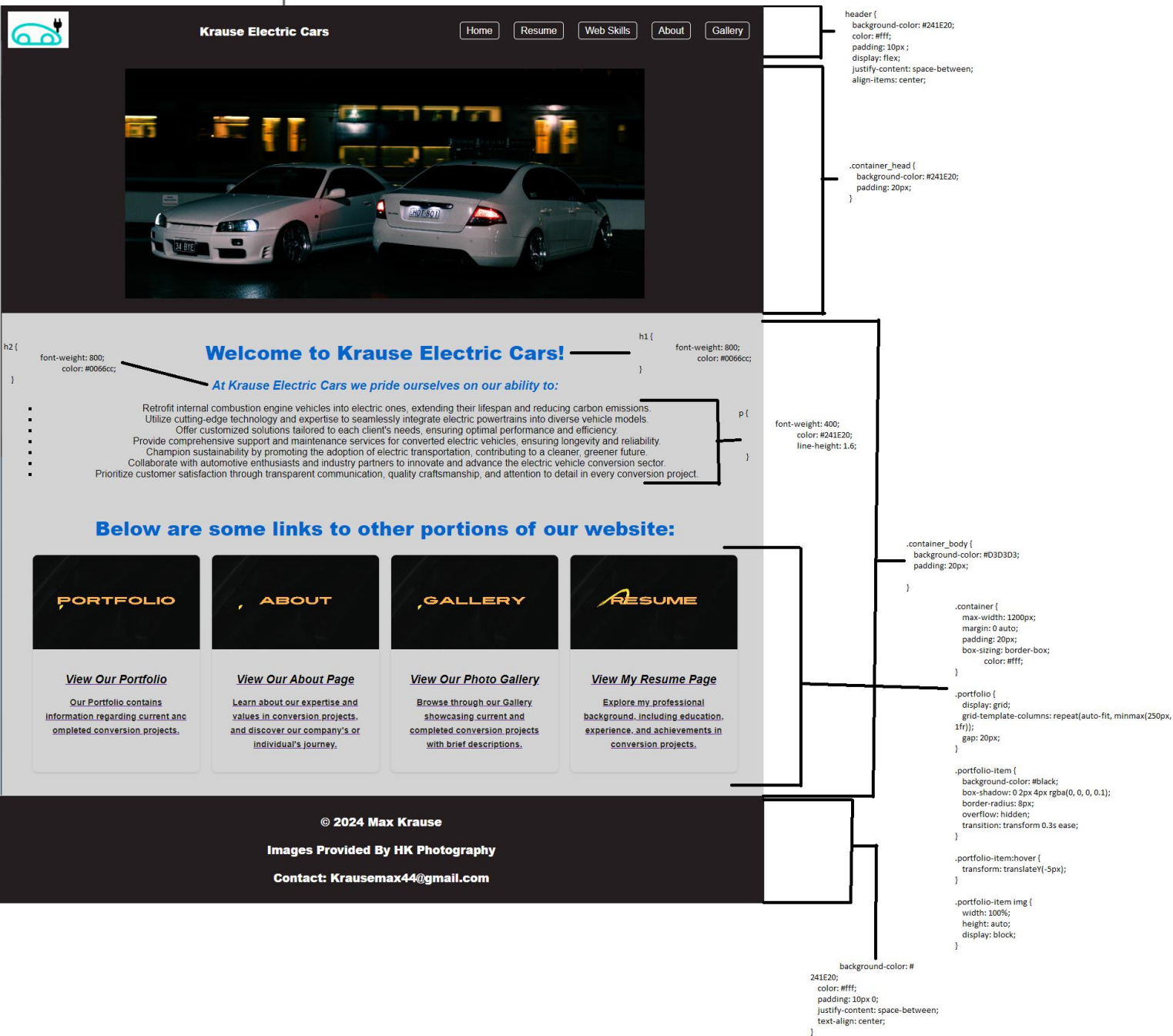
Car2

An example of the work that the company has been able to produce with a detailed breakdown of what has been done to keep styling up to date.

Gallery

A large page that has will contain all of the images used across the page with descriptive captions and alt text.

Krause Electric Cars

Home   Resume   Web Skills   About   Gallery

```
header {
    background-color: #241E20;
    color: #fff;
    padding: 10px ;
    display: flex;
    justify-content: space-between;
    align-items: center;
```

```
.container_head {
    background-color: #241E20;
    padding: 20px;
}
```

Welcome to Krause Electric Cars!

```
h2 {
    font-weight: 800;
    color: #0066cc;
}
```

```
h1 {
    font-weight: 800;
    color: #0066cc;
}
```

At Krause Electric Cars we pride ourselves on our ability to:

- Retrofit internal combustion engine vehicles into electric ones, extending their lifespan and reducing carbon emissions.
- Utilize cutting-edge technology and expertise to seamlessly integrate electric powertrains into diverse vehicle models.
- Offer customized solutions tailored to each client's needs, ensuring optimal performance and efficiency.
- Provide comprehensive support and maintenance services for converted electric vehicles, ensuring longevity and reliability.
- Champion sustainability by promoting the adoption of electric transportation, contributing to a cleaner, greener future.
- Collaborate with automotive enthusiasts and industry partners to innovate and advance the electric vehicle conversion sector.
- Prioritize customer satisfaction through transparent communication, quality craftsmanship, and attention to detail in every conversion project.

```
p {
    font-weight: 400;
    color: #241E20;
    line-height: 1.6;
}
```

Below are some links to other portions of our website:

PORTFOLIO   ABOUT   GALLERY   RESUME

View Our Portfolio

Our Portfolio contains information regarding current and completed conversion projects.

View Our About Page

Learn about our expertise and values in conversion projects, and discover our company's or individual's journey.

View Our Photo Gallery

Browse through our Gallery showcasing current and completed conversion projects with brief descriptions.

View My Resume Page

Explore my professional background, including education, experience, and achievements in conversion projects.

```
.container_body {
    background-color: #D3D3D3;
    padding: 20px;
}
```

```
.container {
    max-width: 1200px;
    margin: 0 auto;
    padding: 20px;
    box-sizing: border-box;
        color: #fff;
}
```

```
.portfolio {
    display: grid;
    grid-template-columns: repeat(auto-fit, minmax(250px, 1fr));
    gap: 20px;
}
```

```
.portfolio-item {
    background-color: #black;
    box-shadow: 0 2px 4px rgba(0, 0, 0, 0.1);
    border-radius: 8px;
    overflow: hidden;
    transition: transform 0.3s ease;
}
```

```
.portfolio-item:hover {
    transform: translateY(-5px);
}
```

```
.portfolio-item img {
    width: 100%;
    height: auto;
    display: block;
}
```

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Images Provided By HK Photography

Contact: Krausemax44@gmail.com

```
background-color: #241E20;
    color: #fff;
    padding: 10px 0;
    justify-content: space-between;
    text-align: center;
}
```

The header section is comprised of two sections "header' which has the following CSS

```
header {
    background-color: #241E20;
    color: #fff;
    padding: 10px ;
    display:flex;
    justify-content: space-between;
    align-items: center;
} and ".container_head".
.container_head {
    background-color: #241E20;
    padding: 20px;
}
```

Using "header" to organise my buttons and ".container_head" to contain and format my banner image.

The body section makes use of a CSS Element

```css
.container_body {

    background-color: #D3D3D3;

    padding: 20px;
```

This allows me to place one large container as my body section with a nice off white colour and 20px padding all round within this I can include extra sections such as the section just prior to the footer.

```css
.container {

    max-width: 1200px;

    margin: 0 auto;

    padding: 20px;

    box-sizing: border-box;

        color: #fff;

}


.portfolio {

    display: grid;

    grid-template-columns: repeat(auto-fit, minmax(250px, 1fr));

    gap: 20px;

}


.portfolio-item {

    background-color: #black;

    box-shadow: 0 2px 4px rgba(0, 0, 0, 0.1);

    border-radius: 8px;

    overflow: hidden;

    transition: transform 0.3s ease;

}


.portfolio-item:hover {

    transform: translateY(-5px);

}
```

```css
.portfolio-item img {

  width: 100%;

  height: auto;

  display: block;

}


.portfolio-item-content {

  padding: 20px;

}


.portfolio-item-title {

  font-size: 1.2rem;

  margin-bottom: 10px;

        color: black;

}


.portfolio-item-description {

  font-size: 0.9rem;

  color: #241E20;

}
```
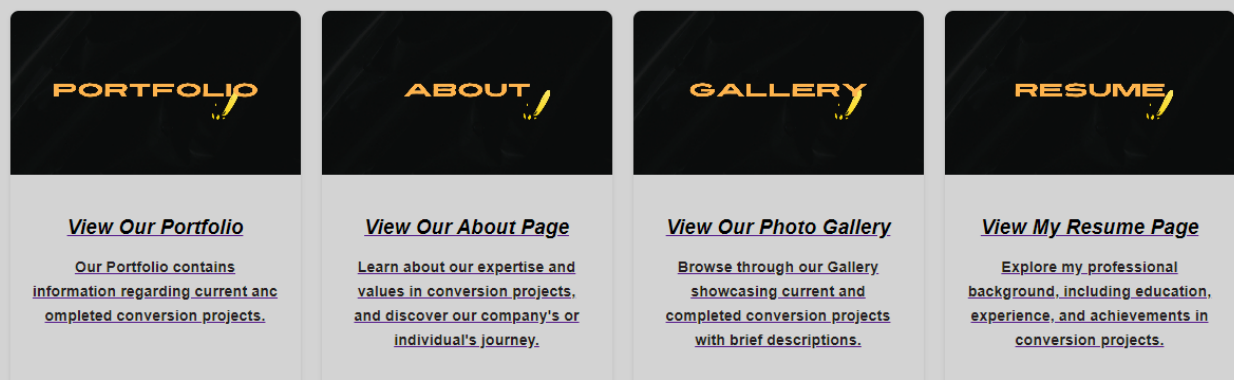
This section used these CSS rules to format and create nice buttons that include images or videos for nice navigation of the website.

Below are some links to other portions of our website:

PORTFOLIO	ABOUT	GALLERY	RESUME
View Our Portfolio	*View Our About Page*	*View Our Photo Gallery*	*View My Resume Page*
Our Portfolio contains information regarding current and completed conversion projects.	Learn about our expertise and values in conversion projects, and discover our company's or individual's journey.	Browse through our Gallery showcasing current and completed conversion projects with brief descriptions.	Explore my professional background, including education, experience, and achievements in conversion projects.

My Footer contains basic styling elements such as a background colour, padding and text alignment.

```
footer {
          background-color: #241E20;
   color: #fff;
   padding: 10px 0;
   justify-content: space-between;
   text-align: center;
}
```

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Images Provided By HK Photography

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Navigation Map & Structure Chart

The Navigation Map & Structure Chart are too large to be included in this document so please access them in the documents folder or below in the attached .zip.

Navigation Map & Structure Chart.zip

The Navigation Structure begins on the home page (Index.html) and lays out the main clickable features on the home page that lead to other areas of the webpage via means of navigation, the home page will consist of buttons within the header that will take the user to the main pages of the website, This will include Home, Resume, Web Skills, About and Gallery. I have included extra containers in the body as supplementary navigation method to this I will include secondary navigation items which include images within containers with brief descriptions about the page to better represent the page the customer is about to navigate to.

Navigation continues from index to Resume; on this page the customer is greeted with the same header design as well as a pdf viewer embed of my resume this will allow them to download it as well as view and scroll between pages of my resume as any browser pdf viewer would handle it. Following this If the user scrolls down they will be greeted with a table including my subject and results – for the purposes of this I have only included ITC 293 as my account is on hold and I cannot access my results. Following this scrolling further down will reveal an embedded form the user can sue to leave feedback on the resume.

Following on from resume we continue to the about page the user will be greeted with the same header and banner design shortly below this will be a short blurb about Krause Electric Cars and their industry statement as well as the content from assessment 2 this will be neatly formatted into a container to keep the paragraph to a fixed page width. The same styling will apply to the assessment 2 content.

Completing navigation from the about page leaves the user with one more menu item to click, that being the gallery item, the gallery page will use containers formatted as gallery items each displaying the images that are being used across the website in a neat 3 wide format scrolling until there are no more images to display, each container will have a caption section which will have a description in place to describe the contents of the image to the user.

Extras:

Extra navigation points come in the form of footer containers at the bottom of some of the main pages these will use looped videos to create an eye catching effect. This will be mainly used to gather attention to the Portfolio page for the business allowing the business to show off their conversion projects and explain their worksmanship.

Story Boards

Index – Main Page
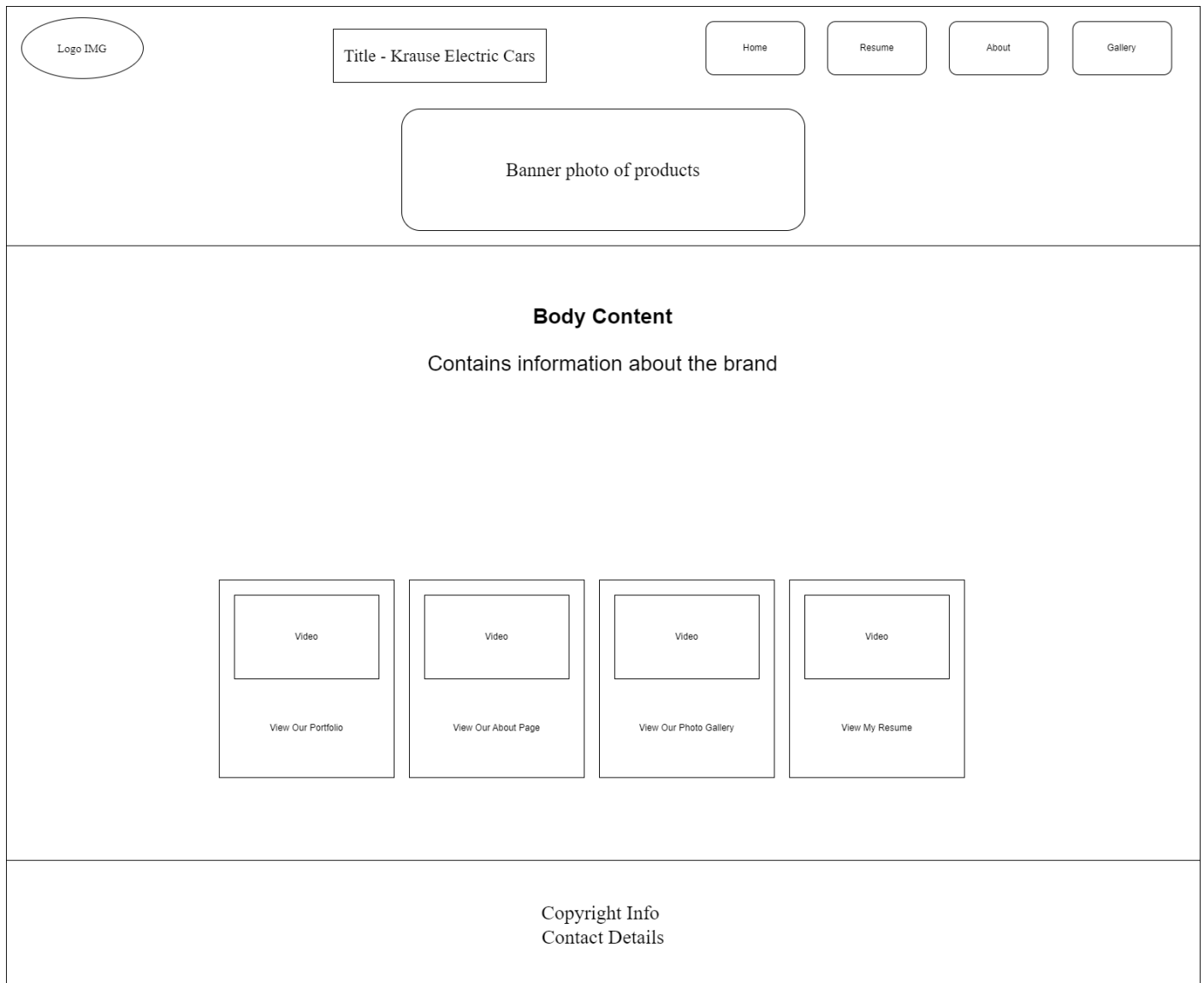
Logo IMG	Title - Krause Electric Cars		Home	Resume	About	Gallery

Banner photo of products

Body Content

Contains information about the brand

Video	Video	Video	Video
View Our Portfolio	View Our About Page	View Our Photo Gallery	View My Resume

Copyright Info
Contact Details

This will act as the landing page for the website displaying majority of the navigation In the body as well as other key navigation requirements in the to be designed header.

Body content for this page will mostly consist of information about what the brand can achieve and what they strive to do.

On each major page I would like to implement videos displayed within containers that draw in the users eye encouraging navigation to other areas of the website.

Krause Electric Cars Detailed design report

About:

Title - Krause Electric Cars

Home   Resume   About   Gallery

Banner photo of products

About Us

We are pioneers in the field of retrofitting internal combustion engine vehicles into electric ones. Our mission is to extend the lifespan of vehicles while significantly reducing carbon emissions, thereby contributing to a cleaner and greener future.

Our Approach

At Electric Vehicle Conversion Experts, we leverage cutting-edge technology and expertise to seamlessly integrate electric powertrains into diverse vehicle models. Each conversion is meticulously tailored to meet the specific needs of our clients, ensuring optimal performance and efficiency.

Services

We offer customized solutions for electric vehicle conversions, providing comprehensive support and maintenance services to ensure longevity and reliability. Our commitment to sustainability drives us to champion the adoption of electric transportation.

Collaboration and Innovation

We collaborate with automotive enthusiasts and industry partners to innovate and advance the electric vehicle conversion sector. By prioritizing customer satisfaction through transparent communication, quality craftsmanship, and attention to detail, we strive to exceed expectations in every project.

Video	Video	Video	Video
View Our Portfolio	View Our About Page	View Our Photo Gallery	View My Resume

Copyright Info
Contact Details

Resume

Logo IMG

Title - Krause Electric Cars

Home   Resume   About   Gallery

Banner photo of products

Resume Embed

Survey

Video

View Our Portfolio

Video

View Our About Page

Video

View Our Photo Gallery

Video

View My Resume

Copyright Info
Contact Details

Web Skills

Logo IMG

Title - Krause Electric Cars

| Home | Resume | About | Gallery |

Banner photo of products

Body Content

Unchanged From A2

Video	Video	Video	Video
View Our Portfolio	View Our About Page	View Our Photo Gallery	View My Resume

Copyright Info
Contact Details

Products

Logo IMG	Title - Krause Electric Cars		Home	Resume	About	Gallery

Banner photo of products

Image car 1

Image car2

Description

Description

Video	Video	Video	Video
View Our Portfolio	View Our About Page	View Our Photo Gallery	View My Resume

Copyright Info
Contact Details

Car1

Logo IMG

Title - Krause Electric Cars

Home

Resume

About

Gallery

Banner photo of products

Image
focus point 1

Description

Image
focus point 2

Description

Image
focus point 3

Description

Video

View Our Portfolio

Video

View Our About Page

Video

View Our Photo Gallery

Video

View My Resume

Copyright Info
Contact Details

Car2

Logo IMG

Title - Krause Electric Cars

Home

Resume

About

Gallery

Banner photo of products

Image
focus point 1

Image
focus point 2

Image
focus point 3

Description

Description

Description

Video

Video

Video

Video

View Our Portfolio

View Our About Page

View Our Photo Gallery

View My Resume

Copyright Info
Contact Details

Gallery

Logo IMG

Title - Krause Electric Cars

Home | Resume | About | Gallery

Banner photo of products

Image

Caption

Image

Caption

Image

Caption

Image

Caption

Image

Caption

Image

Caption

Video

View Our Portfolio

Video

View Our About Page

Video

View Our Photo Gallery

Video

View My Resume

Copyright Info
Contact Details

Testing Plan:

Functional Testing:

Test all links to ensure they navigate to the correct pages.

Verify forms (Feedback Form) for proper submission and validation.

Check interactive elements such as buttons, hyperlinks, and images for functionality.

Compatibility Testing:

Test the website on different browsers (Chrome, Firefox, Safari, Edge) to ensure compatibility.

Test on different devices to ensure responsiveness.

Verify compatibility with different operating systems (Windows, MacOS).

Performance Testing:

Test website loading times.

Check for any slow-loading elements or pages.

Performance Testing:

HTML & CSS Validation.

Code consistency and quality testing.

Index.html

1. **Error** **Bad value** `100%` **for attribute** `width` **on element** `video`: **Expected a digit but saw** `%` **instead.**
   From line 67, column 17; to line 67, column 83
   ```
   <video autoplay muted src="video/portfolio.mp4" loop width="100%" ></vide
   ```

2. **Error** **Bad value** `100%` **for attribute** `width` **on element** `video`: **Expected a digit but saw** `%` **instead.**
   From line 76, column 17; to line 76, column 79
   ```
   <video autoplay muted src="video/about.mp4" loop width="100%" ></vide
   ```

3. **Error** **Bad value** `100%` **for attribute** `width` **on element** `video`: **Expected a digit but saw** `%` **instead.**
   From line 85, column 17; to line 85, column 81
   ```
   <video autoplay muted src="video/gallery.mp4" loop width="100%" ></vide
   ```

4. **Error** **Bad value** `100%` **for attribute** `width` **on element** `video`: **Expected a digit but saw** `%` **instead.**
   From line 94, column 17; to line 94, column 80
   ```
   <video autoplay muted src="video/resume.mp4" loop width="100%" ></vide
   ```

About.html

1. **Error** **Bad value** `100%` **for attribute** `width` **on element** `video` : **Expected a digit but saw** `%` **instead.**

   From line 96, column 17; to line 96, column 83

   ```
           <video autoplay muted src="video/portfolio.mp4" loop width="100%" ></vide
   ```

2. **Error** **Bad value** `100%` **for attribute** `width` **on element** `video` : **Expected a digit but saw** `%` **instead.**

   From line 105, column 17; to line 105, column 79

   ```
           <video autoplay muted src="video/about.mp4" loop width="100%" ></vide
   ```

3. **Error** **Bad value** `100%` **for attribute** `width` **on element** `video` : **Expected a digit but saw** `%` **instead.**

   From line 114, column 17; to line 114, column 81

   ```
           <video autoplay muted src="video/gallery.mp4" loop width="100%" ></vide
   ```

4. **Error** **Bad value** `100%` **for attribute** `width` **on element** `video` : **Expected a digit but saw** `%` **instead.**

   From line 123, column 17; to line 123, column 80

   ```
           <video autoplay muted src="video/resume.mp4" loop width="100%" ></vide
   ```

Resume.html

1. **Error** **Bad value** `100%` **for attribute** `width` **on element** `video` : **Expected a digit but saw** `%` **instead.**

   From line 98, column 17; to line 98, column 83

   `<video autoplay muted src="video/portfolio.mp4" loop width="100%" ></vide`

2. **Error** **Bad value** `100%` **for attribute** `width` **on element** `video` : **Expected a digit but saw** `%` **instead.**

   From line 107, column 17; to line 107, column 79

   `<video autoplay muted src="video/about.mp4" loop width="100%" ></vide`

3. **Error** **Bad value** `100%` **for attribute** `width` **on element** `video` : **Expected a digit but saw** `%` **instead.**

   From line 116, column 17; to line 116, column 81

   `<video autoplay muted src="video/gallery.mp4" loop width="100%" ></vide`

4. **Error** **Bad value** `100%` **for attribute** `width` **on element** `video` : **Expected a digit but saw** `%` **instead.**

   From line 125, column 17; to line 125, column 80

   `<video autoplay muted src="video/resume.mp4" loop width="100%" ></vide`

Web Skills.html

1. **Error** **Bad value** `100%` **for attribute** `width` **on element** [video] : **Expected a digit but saw** `%` **instead.**

   From line 83, column 17; to line 83, column 83

   ```
   <video autoplay muted src="video/portfolio.mp4" loop width="100%" ></vide
   ```

2. **Error** **Bad value** `100%` **for attribute** `width` **on element** [video] : **Expected a digit but saw** `%` **instead.**

   From line 92, column 17; to line 92, column 79

   ```
   <video autoplay muted src="video/about.mp4" loop width="100%" ></vide
   ```

3. **Error** **Bad value** `100%` **for attribute** `width` **on element** [video] : **Expected a digit but saw** `%` **instead.**

   From line 101, column 17; to line 101, column 81

   ```
   <video autoplay muted src="video/gallery.mp4" loop width="100%" ></vide
   ```

4. **Error** **Bad value** `100%` **for attribute** `width` **on element** [video] : **Expected a digit but saw** `%` **instead.**

   From line 110, column 17; to line 110, column 80

   ```
   <video autoplay muted src="video/resume.mp4" loop width="100%" ></vide
   ```

Products.html

1. **Error** Bad value `100%` for attribute `width` on element `video`: Expected a digit but saw `%` instead.

   From line 75, column 17; to line 75, column 83

   ```
   <video autoplay muted src="video/portfolio.mp4" loop width="100%" ></vide
   ```

2. **Error** Bad value `100%` for attribute `width` on element `video`: Expected a digit but saw `%` instead.

   From line 84, column 17; to line 84, column 79

   ```
   <video autoplay muted src="video/about.mp4" loop width="100%" ></vide
   ```

3. **Error** Bad value `100%` for attribute `width` on element `video`: Expected a digit but saw `%` instead.

   From line 93, column 17; to line 93, column 81

   ```
   <video autoplay muted src="video/gallery.mp4" loop width="100%" ></vide
   ```

4. **Error** Bad value `100%` for attribute `width` on element `video`: Expected a digit but saw `%` instead.

   From line 102, column 17; to line 102, column 80

   ```
   <video autoplay muted src="video/resume.mp4" loop width="100%" ></vide
   ```

Falcon.html

1. **Error** **Bad value** `100%` **for attribute** `width` **on element** `video` : **Expected a digit but saw** `%` **instead.**

   From line 85, column 17; to line 85, column 83

   ```
   <video autoplay muted src="video/portfolio.mp4" loop width="100%" ></vide
   ```

2. **Error** **Bad value** `100%` **for attribute** `width` **on element** `video` : **Expected a digit but saw** `%` **instead.**

   From line 94, column 17; to line 94, column 79

   ```
   <video autoplay muted src="video/about.mp4" loop width="100%" ></vide
   ```

3. **Error** **Bad value** `100%` **for attribute** `width` **on element** `video` : **Expected a digit but saw** `%` **instead.**

   From line 103, column 17; to line 103, column 81

   ```
   <video autoplay muted src="video/gallery.mp4" loop width="100%" ></vide
   ```

4. **Error** **Bad value** `100%` **for attribute** `width` **on element** `video` : **Expected a digit but saw** `%` **instead.**

   From line 112, column 17; to line 112, column 80

   ```
   <video autoplay muted src="video/resume.mp4" loop width="100%" ></vide
   ```

Skyline.html

1. **Error** **Bad value** `100%` **for attribute** `width` **on element** `video` : **Expected a digit but saw** `%` **instead.**

   From line 85, column 17; to line 85, column 83

   ```
           <video autoplay muted src="video/portfolio.mp4" loop width="100%" ></vide
   ```

2. **Error** **Bad value** `100%` **for attribute** `width` **on element** `video` : **Expected a digit but saw** `%` **instead.**

   From line 94, column 17; to line 94, column 79

   ```
           <video autoplay muted src="video/about.mp4" loop width="100%" ></vide
   ```

3. **Error** **Bad value** `100%` **for attribute** `width` **on element** `video` : **Expected a digit but saw** `%` **instead.**

   From line 103, column 17; to line 103, column 81

   ```
           <video autoplay muted src="video/gallery.mp4" loop width="100%" ></vide
   ```

4. **Error** **Bad value** `100%` **for attribute** `width` **on element** `video` : **Expected a digit but saw** `%` **instead.**

   From line 112, column 17; to line 112, column 80

   ```
           <video autoplay muted src="video/resume.mp4" loop width="100%" ></vide
   ```

Gallery.html

1. **Error** Bad value `100%` for attribute `width` on element `video` : Expected a digit but saw `%` instead.

   From line 127, column 17; to line 127, column 83

   ```
           <video autoplay muted src="video/portfolio.mp4" loop width="100%" ></vide
   ```

2. **Error** Bad value `100%` for attribute `width` on element `video` : Expected a digit but saw `%` instead.

   From line 136, column 17; to line 136, column 79

   ```
           <video autoplay muted src="video/about.mp4" loop width="100%" ></vide
   ```

3. **Error** Bad value `100%` for attribute `width` on element `video` : Expected a digit but saw `%` instead.

   From line 145, column 17; to line 145, column 81

   ```
           <video autoplay muted src="video/gallery.mp4" loop width="100%" ></vide
   ```

4. **Error** Bad value `100%` for attribute `width` on element `video` : Expected a digit but saw `%` instead.

   From line 154, column 17; to line 154, column 80

   ```
           <video autoplay muted src="video/resume.mp4" loop width="100%" ></vide
   ```

Style.CSS

W3C CSS Validator results for style.css (CSS level 3 + SVG)

Sorry! We found the following errors (1)	
URI : style.css	
251 `.portfolio-item`	Value Error : background-color `#black` is not a `background-color` value : `#black`

Turnitin Report:

Turnitin Similarity score 10%