

Hallo!

I am Maria Lamardo

Front End Engineer at Pendo

Instructor at VueSchool

Worldwide Events Manager at Vue Vixens

Board Certified Assistant Behavior Analyst

Devs@RTP Founder / A11yDevs Co Founder / Vue Vixens NC Chapter Leader

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What is Web Accessibility?

Who should worry about it?

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Types of disabilities



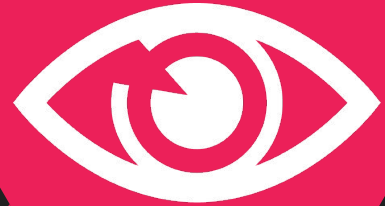
Motor



Cognitive

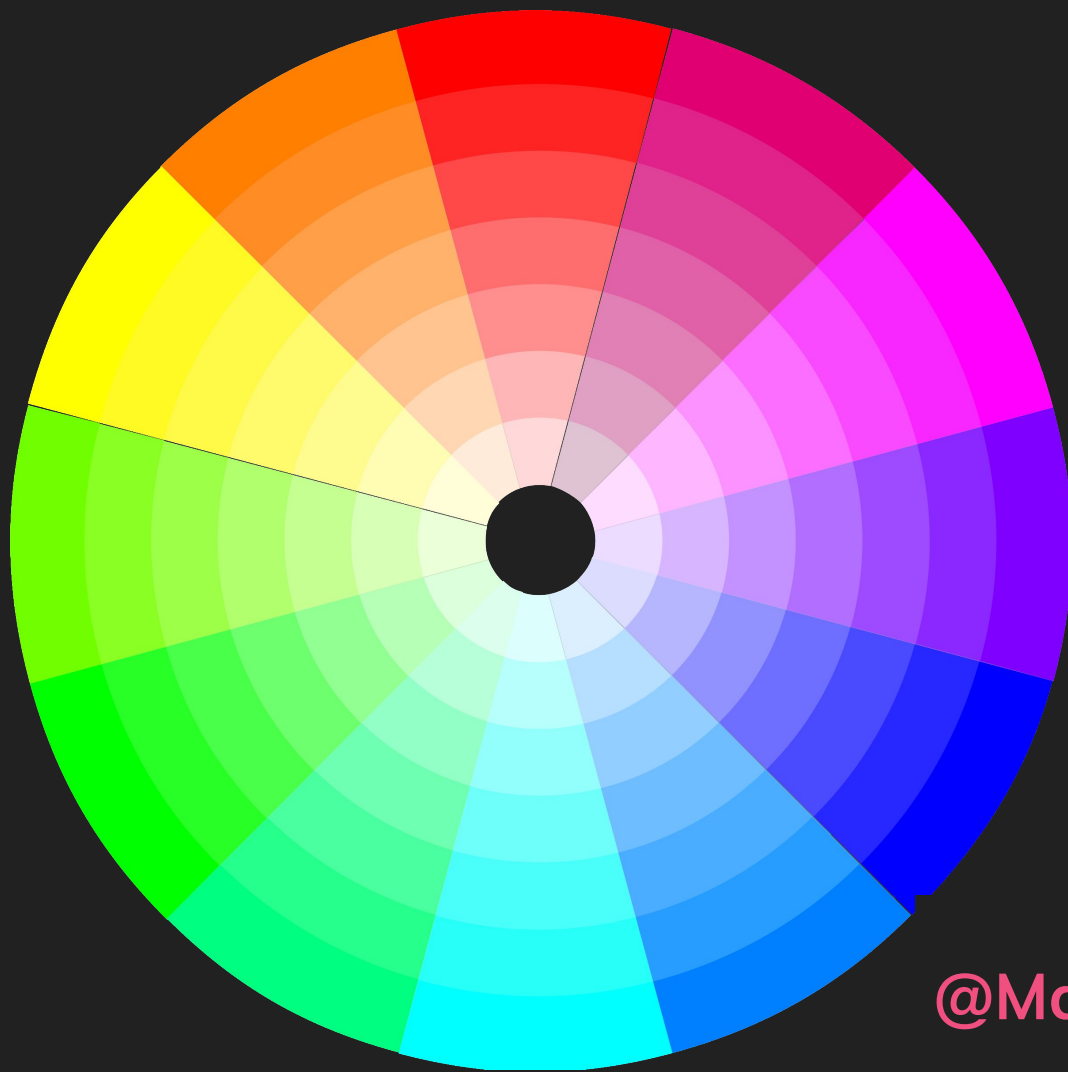


Auditory



Visual

Color Oracle



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HEADING STRUCTURE

Headings give structure to the page.

```
<h1> Heading Structures </h1>
```

```
<h2> Nest headings by their rank </h2>
```

```
<h3> Ranking from h1 - h6 </h3>
```

```
<h4> Don't skip headings! </h4>
```

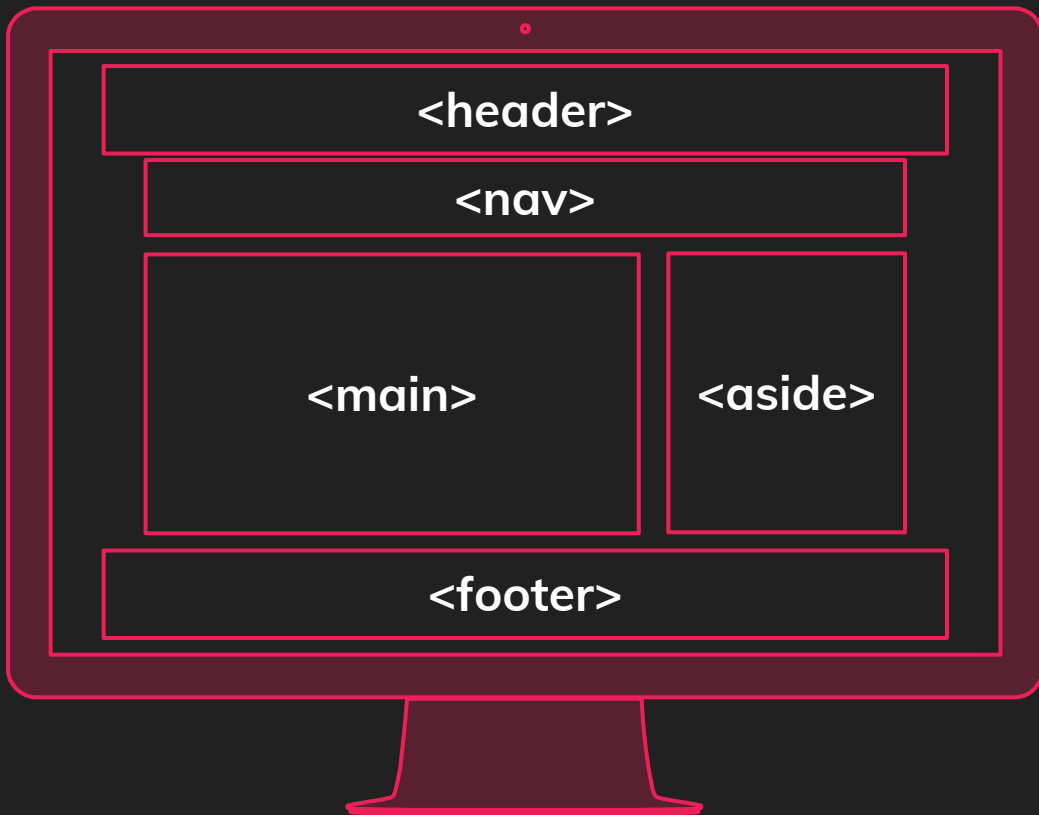
```
<h5> h1 - most important heading. </h5>
```

```
<h6> h6 - least important heading. </h6>
```



LANDMARKS

This shows how landmarks can help structure content on your page.



Single Page Applications

- Client-side JavaScript handles routing
- Screen Reader Announcements
- Focus management

Solutions!

- ARIA Live Regions
- Handling Focus

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Accessibility Research

Marcy Sutton and Fable Tech Labs

What we learned from user testing of accessible client-side routing techniques with Fable Tech Labs

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TO THE APP!

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ARIA Live Regions

Used to announce non-interactive content changes

`aria-live="assertive"`

- Updates announcement interrupt user flow

`aria-live="polite"`

- Updates announcement when user is idle

`aria-live="off"`

- Turned off

ARIA Live Regions

`role="status" = aria-live="polite"`

Update announcements when user is idle

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ARIA Current

Used to indicate current item in a set

`aria-current="page"` - Current link

`aria-current="step"` - Current step

`aria-current="location"` - Current image of flow chart

`aria-current="date"` - Current date on calendar

`aria-current="time"` - Current time in timetable

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Screen Readers and Browsers

NVDA

Firefox

JAWS

Internet Explorer

VoiceOver

Safari

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Tabindex

Indicates that its element can be focused and sequential order

`tabindex="0"`

- Focusable via keyboard in DOM order

`tabindex="1"`

- Focusable via keyboard jumps ahead of DOM order (AVOID)

`tabindex="-1"`

- Focused programmatically

Accessible Name

Aria-label

- Provides essential information about an object

Aria-labelledby

- Establishes relationships between objects (by ID)

Aria-describedby

- Provides extended information that the user might need (by ID)



Thanks!

Vue School - Web Accessibility Fundamentals

<https://github.com/mlama007/Vue-Memory-Game>

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