





# Accessibility Code Basics

WCAG





# Your Instructor



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# Your Learning Menu

- Common devices used by persons with disabilities
- Common inaccessible code issues and how to remedy them
- Takeaway resources



# Device Types

- Refreshable braille displays
- Screen reader software
- Specialized keyboard, pointer, or mouse
- Speech recognition software
- Magnification
- Eye tracking software





## Form Fields Not Properly Labeled – Incorrect Code (WCAG 3.3.2, 1.3.1, 4.1.2)

```
<div class="login-fields">  
  <div class="field-caption-space">  
    <label for="email">Email</label></div>  
    <input name="login[username]" value=""  
class="login-name required-entry validate-email  
validation-passed" placeholder="Email" title="Email  
Address" type="text"></div>
```





## Form Fields Not Properly Labeled – Corrected Code (WCAG 3.3.2, 1.3.1, 4.1.2)

```
<div class="login-fields">  
  <div class="field-caption-space">  
    <label for="email">Email</label></div>  
    <input name="login[username]" value=""  
id="email" class="login-name required-entry  
validate-email validation-passed"  
placeholder="Email" title="Email Address"  
type="text"></div>
```





# Custom Controls Presenting Accessibility Issues – Incorrect Code (WCAG 2.1.1 and 4.1.2)

```
<md-checkbox ng-model="$ctrl.selectedAlertTypes[type]" tabindex="0" type="checkbox" role="checkbox" class="ng-pristine ng-valid md-default-theme ng-empty ng-touched" aria-checked="false" aria-invalid="false" aria-label="I agree" style=""><div class="md-container md-ink-ripple" md-ink-ripple="" md-ink-ripple-checkbox=""><div class="md-icon"></div><div class="md-ripple-container"></div></div><div ng-transclude="" class="md-label">I agree</div></md-checkbox>
```







# Custom Controls Presenting Accessibility Issues – Corrected Code (WCAG 2.1.1 and 4.1.2)

```
<input type="checkbox" id="agreement"><label  
for="agreement">I agree</label>
```





## Misuse of HTML Heading Element – Incorrect Code (WCAG 1.3.1)

```
<h4 style="text-align: center;"><span  
class="weco">WeCo</span> IS AN EQUAL  
OPPORTUNITY EMPLOYER</h4>
```





## Misuse of HTML Heading Element – Corrected Code (WCAG 1.3.1)

```
<div style="text-align: center;"><span  
class="weco">WeCo</span> IS AN EQUAL  
OPPORTUNITY EMPLOYER</div>
```





# Modals Not Coded Properly – Incorrect Code (WCAG 4.1.2)

```
<div id="dialog_0"><h2>Window Title</h2>...Your dialog content...</div>
```





## Modals Not Coded Properly – Corrected Code (WCAG 4.1.2)

```
<div role="dialog" id="dialog_0" aria-labelledby="title_0" aria-modal="true"><h2 id="title_0">Window Title</h2>...Your dialog content...</div>
```





# Content Read Out Of Sequence – Incorrect Code (WCAG 1.3.2)

```
<div class="box">  
  <span class="menu1">Products</span>  
  <span class="menu2">Locations</span>  
  <span class="item1">Telephones</span>  
  <span class="item2">Computers</span>  
  <span class="item3">Portable MP3 Players</span>  
  <span class="item5">Wisconsin</span>  
  <span class="item4">Idaho</span>  
</div>
```

Source: WCAG [F1: Failure of Success Criterion 1.3.2 due to changing the meaning of content by positioning information with CSS](#)





## Content Read Out Of Sequence – Corrected Code (WCAG 1.3.2)

```
<table class="box">  
  <tr><th class="menu1">Products</th><th  
class="menu2">Locations</th></tr>  
  <tr><td class="item1">Telephones</td><td  
class="item4">Idaho</td></tr>  
  <tr><td class="item2">Computers</td><td  
class="item5">Wisconsin</td></tr>  
  <tr><td class="item3">Portable MP3  
Players</td><td></td></tr>  
</table>
```





## Off-screen Content Not Hidden From Assistive Technology – Incorrect Code (WCAG 1.3.2)

```
<div class="hidden"><form class="search"  
...>...</form></div>
```

```
.hidden {  
    position: absolute;  
    top: -9999px;  
    left: -9999px;  
}
```







## Off-screen Content Not Hidden From Assistive Technology – Corrected Code (WCAG 1.3.2)

```
<div class="hidden"><form class="search"  
...>...</form></div>
```

```
.hidden {  
  display: none;  
}
```

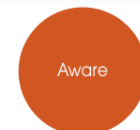




# Resources for Accessibility

## WeCo's Free Accessibility Library

<http://theweco.com/wecos-free-access-library/>





# Stay on Top of Accessibility



## WeCo's Accessibility Blog and Email QuickTips

*Free accessibility learning in  
your email box!*

***Sign up on our website***





# Upcoming Events

Head over to

<https://theweco.com/events/>

To find the latest in our upcoming workshops, webinars and events.

**Not finding what you're looking for?**

WeCo provides customized training. To find out more, contact us today.

Workshops

Webinars

And More





# Keep in touch! We're here to help!

**WeCo's Website:**

**[theweco.com](http://theweco.com)**

**Facebook: WeCo (The Wehrman Collaborative)**

**Twitter: @WeCo5**

**Accessibility Team:**

**[accessinfo@theweco.com](mailto:accessinfo@theweco.com)**

**or 855-849-5050 x1**

