INTRODUCTION TO WEB ACCESSIBILITY

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HOW TO MAKE A WEBSITE ACCESSIBLE?
FOR THE MOST PART
A GOOD WEBSITE IS AN ACCESSIBLE WEBSITE
TIP #1
ORDER CONTENT MEANINGFULLY
DONT

<nav> <!-- Main Navigation --> </nav>
<aside> <!-- Sidebar --> </aside>
<h1>Student Resources</h1>
<main> <!-- Main Content --> </main>
DO

<h1>Student Resources</h1>

<nav>!-- Main Navigation --></nav>

<main>!-- Main Content --></main>

<aside>!-- Sidebar --></aside>
TIP #2
ORGANIZE CONTENT CONSISTENTLY
TIP #3
"LANG" ATTRIBUTE
<html lang="en">
TIP #4
CLEAR, DESCRIPTIVE TITLE
TIP #5
MOST IMPORTANT PART OF TITLE FIRST
DONT

<!-- Which section? -->
<title>LOREM IPSUM DEPARTMENT</title>

<!-- Which website? -->
<title>ABOUT</title>

<!-- Important information last -->
<title>LOREM IPSUM DEPARTMENT - UCSB - A
DO

<title>
  About - Lorem Ipsum Department
</title>
TIP #6
CLEAR AND DESCRIPTIVE
DONT

<h1>This is how to apply</h1>

<h2>First</h2>

<h2>Next</h2>
DO

<h1>How to Apply</h1>

<h2>Before You Apply</h2>

<h2>Step 1: Federal Application</h2>
TIP #7
NEST HEADINGS CORRECTLY
DONT

<h1>How to Apply</h1>
<h3>Before You Apply</h3>
<h3>What You Will Need</h3>
DO

<h1>How to Apply</h1>

<h2>Before You Apply</h2>

<h3>What You Will Need</h3>
TIP #8
DON'T USE HEADING ELEMENTS FOR STYLING
DONT

<p>
Complete the
<h3>Federal Application</h3>
</p>
DO

<p>
Complete the
<br><strong>Federal Application</strong>
</p>
TIP #9
ONLY ONE H1
DONT

<h1>About Us</h1>
<h1>Who Are We?</h1>
<h1>Where Are We Located?</h1>
DO

<h1>About Us</h1>

<h2>Who Are We?</h2>

<h2>Where Are We Located?</h2>
TIP #10
USE THE "ALT" ATTRIBUTE
DO

```html
<img
   src="butterfly.jpg"
   alt="A butterfly sitting on a leaf"
/>
```
TIP #11
"NULL" ALT TEXT
DONT

```html
<img src="bullet.gif"
/>
```
DO

```html
<img src="bullet.gif" alt=""/>
```
TIP #12
USE HTML FOR TEXT
DONT

```html
<a href="/download">
  <img src="download-btn.png" alt="Download Now"
</a>
```
DO

<a href="/download" class="download-btn">
    Download Now
</a>
DO

```css
.download-btn
{
  background: #8EC957;
  background: linear-gradient(to bottom,
                  #8EC957 0%,
                  #50C878 100%);
  border-bottom: 3px solid #4A6E29;
  border-radius: 8px;
  box-shadow: 0 3px 10px #CCE8B3;
  color: #FFF;
  font-size: 1.5em;
  padding: 15px;
}
```
TIP #13
USE CSS FOR DECORATION
Welcome!
<h1>
Welcome!
</h1>

<img src="images/wave.png">
DO

<h1 class="welcome-header">
Welcome!
</h1>
DO

.welcome-header
{
  background: url('../images/wave.png');
  color: #555;
  font: italic normal 3.5em Georgia, serif;
  margin: 0 auto;
  padding-top: 50px;
  text-align: left;
  width: 70%;
}
TIP #14
USE LABELS WITH INPUTS
<label for="new-username">
  Username:
</label>
<input
  type="text"
  name="username"
  id="new-username"
/>
TIP #15
USE CSS FOR "INVISIBLE" LABELS
DONT

<form class="search-form">
  <input type="text" name="query" id="s" 
  <input type="submit" value="Search" />
</form>
DO

<form class="search-form">
  <label for="search-query">Search Query</label>
  <input type="text" name="query" id="search-query" />
  <input type="submit" value="Search" />
</form>
DO

.search-form label
{
  left: -9999px;
  overflow: hidden;
  position: absolute;
}
TIP #16
USE DESCRIPTIVE TEXT FOR LINKS
DONT

For more information, visit the Department of Education website at http://www.ed.gov/.
DONT

For more information, click here to visit the Department of Education website.
DON'T
For more information, visit the Department of Education's website.
DO

For more information, visit the Department of Education's website.
DO

The Department of Education can provide more information.
TIP #17
AVOID OPENING NEW WINDOWS
TIP #18

4.5:1 COLOR RATIO ON LARGE TEXT
TIP #19
3:1 COLOR RATIO ON SMALL TEXT
WEBAIM: COLOR CONTRAST CHECKER
TIP #20
DON'T RELY SOLELY ON COLOR
DONT

New courses are colored orange

- COMM1
- COMM119
- COMM124
- COMM126
DO

- COMM1
- COMM119
- COMM124 (New)
- COMM126
TIP #21
DON'T USE TABLES FOR LAYOUT
TIP #22
USE TABLES FOR TABULAR DATA
TIP #23
DENOTE REQUIRED FIELDS
Note: Required fields are marked with an asterisk (*)

Full Name *

Phone Number
TIP #24
DEFINE REQUIRED FORMAT
Note: Required fields are marked with an asterisk (*)

Full Name *

Phone Number
Format: (123) 456-7890
TIP #25

EXPLAIN HOW AND WHY VALIDATION FAILED
Note: Required fields are marked with an asterisk (*)

Full Name *

Full name is required

Phone Number
Format: (123) 456-7890
TIP #26
ENSURE KEYBOARD SUPPORT
TIP #27
AVOID ADJUSTING "TABINDEX"
<a href="/mainmenu" tabindex="2">
    Return to Main Menu
</a>
<button tabindex="1">
    Place Order
</button>
<button>
  Place Order
</button>
<a href="/mainmenu">
  Return to Main Menu
</a>
TIP #28
PROVIDE "SKIP LINKS"
<a href="#content">
  Skip to Main Content
</a>

<nav><!-- Navigation --></nav>
<aside><!-- Sidebar --></aside>

<main id="content">
  <!-- Main Content -->
</main>
TIP #29
PROVIDE A SITEMAP
TIP #30
PROVIDE A SEARCH FEATURE
QUESTIONS?