#### Document Structure



## The Tribune Prints the News Hillo Tribune.

Vot., 10.

HILO, HAWAII, HAWAIIAN ISLANDS, TUESDAY, FEBRUARY 25, 1904.

No. 18.

#### Che Gilo Cribune. Mortgage's Notice of Literation to Forcelose.

The state of the present of the pres

#### Elements So Far

Describe individual parts of your page.

#### Structural Elements

#### What will this render?

```
<a href="#one">Jump to Section One</a><a href="#two">Jump to Section Two</a>
```

### Option 1

Jump to Section One Jump to Section Two

Option 2

Jump to Section One
Jump to Section Two

#### What will this render?

```
<input type="text" placeholder="email">
<input type="text" placeholder="password">
```

## Option 1

email password

## Option 2

email

password

#### What will this render?

```
Lorem ipsum dolor sit amet, consectetur adipiscing elitLorem ipsum dolor sit amet, consectetur adipiscing elit
```

#### Option 1

Lorem ipsum dolor sit amet, consectetur adipiscing elit

Lorem ipsum dolor sit amet, consectetur adipiscing elit

#### Option 2

Lorem ipsum dolor sit amet, consectetur adipiscing elit Lorem ipsu dolor sit amet, consectetur adipiscing elit

### See the examples <a href="here">here</a>

# Why is there a difference?

# Inline Elements vs.

Block Level Elements

#### Inline Elements

Describe small parts of your content and will not cause a new line to appear.

#### Block Level Elements

Describe blocks, or areas, of your page and will be on a separate line from what precedes it and follows it.

#### Let's make a list!

#### Nested Inline Elements

- can have inline parents
- can have block level parents

#### Nested Inline Elements

<strong>Don't forget to <a href="#">click here</a></strong>

output:

Don't forget to **click here** 

#### Nested Block Elements

• can have block level parents

#### Nested Block Elements

```
<div>
  Lorem ipsum dolor sit amet, consectetur adipiscing elit
</div>
```

output:

Lorem ipsum dolor sit amet, consectetur adipiscing elit

A good guideline:

# Never Nest Block Elements Inside Inline Elements

```
<a href="#">
  <h1>My Resume</h1>
  </a>
```

# When in doubt, check the docs!

**Content categories** Flow content, sectioning content, palpable content

Permitted content Flow content.

**Tag omission** None, both the starting and ending tag are mandatory.

<article> element must not be a descendant of an

<address> element.

**Permitted ARIA** 

roles

C application, C document, C feed, C main, C

presentation, Cregion

DOM interface HTMLElement

#### What will this render?

Lorem ipsum dolor sit amet, consectetur adipiscing elit Lorem ipsum dolor sit amet, consectetur adipiscing elit Your browser will trim consecutive whitespace characters to a single character.

## is actually

```
Lorem•ipsum•dolor•••••sit•amet, ←
⇒⇒⇒consectetur•adipiscing•elit
←
```

#### Whitespace Characters

```
• = Space
• ⇒ = Tab (also \t)
• ← = New Line (also \n)
```

```
Lorem•ipsum•dolor•••••sit•amet, ←
⇒⇒⇒consectetur•adipiscing•elit
```

### gets converted to

Lorem•ipsum•dolor•sit•amet,•consectetur•adipiscing•elit\n

#### Code Convention

- Inline Elements stay on the same line
- Block Level Elements get new lines
- Child Block Level Elements are indented from their parents
- Similar sibling elements are separated by extra new lines

```
<div>
  Lorem ipsum dolor sit amet, <strong>consectetur</strong> adipiscing elit
  <!-- New Line -->
  Ut enim ad minim veniam, quis nostrud exercitation ullamco
</div>
```

## Semantics is not Style

<h1>Some Page Heading</h1></strong>Some Page Heading</strong>

# Some Page Heading Some Page Heading

```
    Thing 1
    Thing 2
```

- Thing 1Thing 2

```
  Some Thing
  Other Thing
```

Some Thing
 Other Thing

#### Style is CSS

The meaning we give to something is different than the visuals we use to convey that meaning.

## Structure is not Style

# CSS has its own idea of Inline and Block

# Changing the style doesn't change the category

It doesn't affect which elements it can contain and which elements it can be contained in.

#### HTML4 vs HTML5

HTML4: Inline and Block

HTML5: Phrasing and Flow ... and more

HTML5 Element Categories

#### Lab

# Let's Plan a Simple Website

#### Lab

- Read through this <u>MDN Article</u> on Document and Website Structure.
- Learn to use the elements listed.
- Follow the exercises and hand in your work.