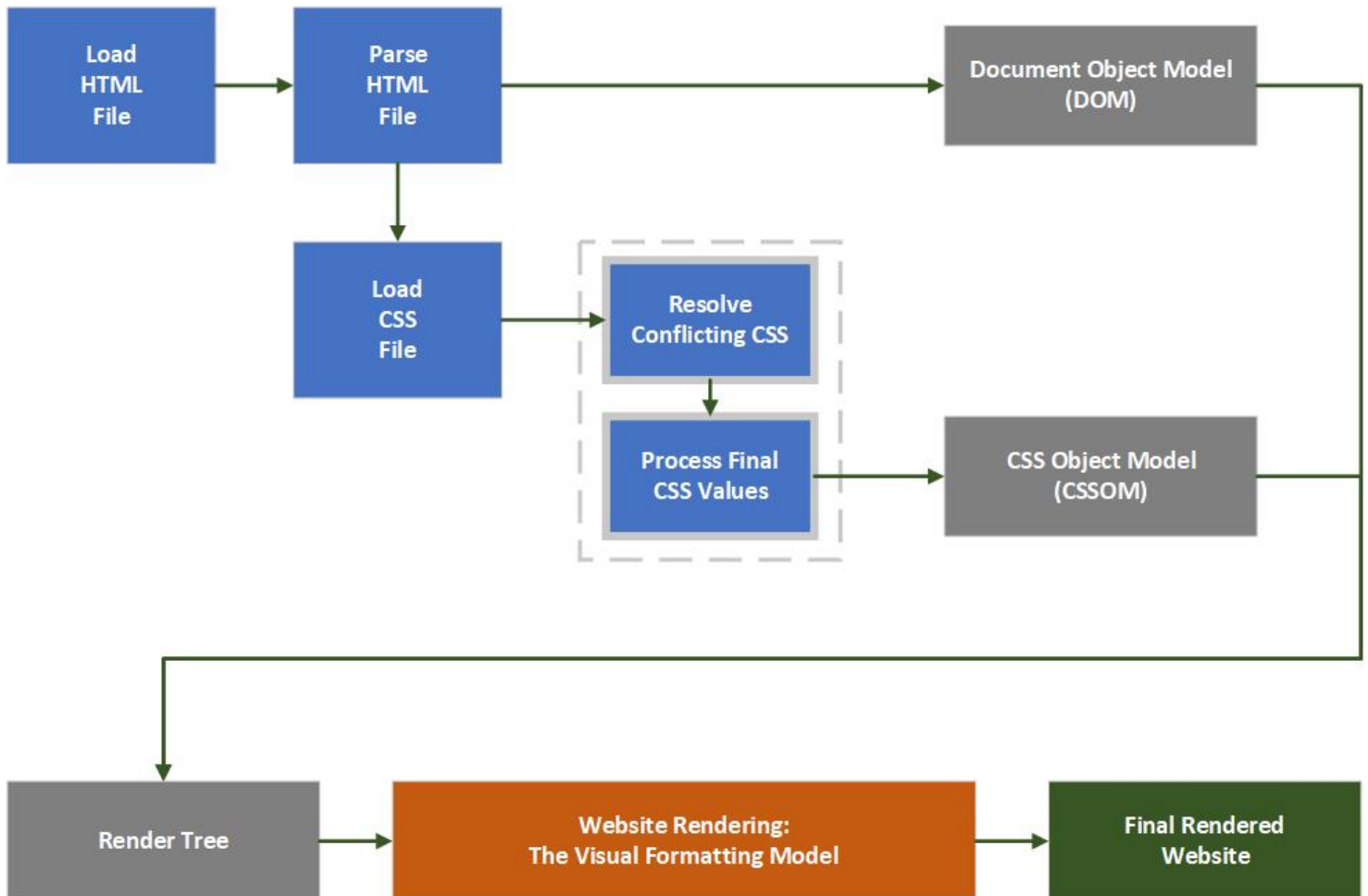
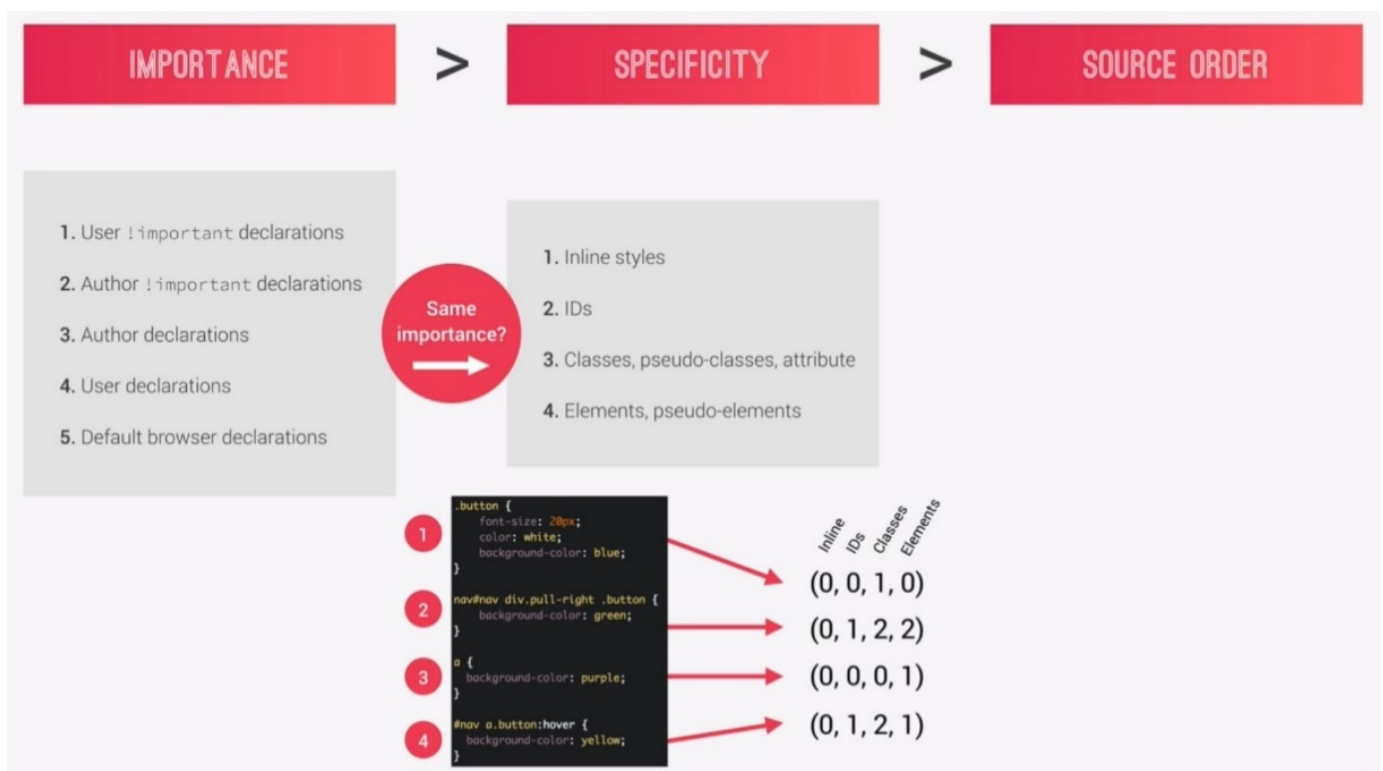


Week 9 – Study Guide

- Understanding the Rendering Process



- Understanding the Cascade Process (the “C” in CSS).
 - What is the Precedence?
 - Inline, embedded, external, default
 - Advanced Understanding of Specificity and Precedence
 - Step 1 of Cascade:
 - User !important Declarations
 - Author !important Declarations
 - Author Declarations
 - User Declarations
 - Default Browser Declarations
 - Step 2 of Cascade (only if no clear winner in Step 1)
 - Inline Styles
 - IDs
 - Classes, Pseudo-classes, Attributes
 - Elements, Pseudo-Elements
 - Step 3 of Cascade (only if no clear winner in Step 2)
 - Order – last man standing
 - Take Away (Memorisable)
 - Declaration marked as !important have the highest Priority (Use !important as a last resort – Specificities are better)
 - Inline will always win over external
 - A Selector with 1 ID is more Specific than 1000 Classes
 - A Selector with 1 Class is more Specific than 1000 Elements
 - Default and Universal Selectors have no Specificity
 - Rely more on Specificity than on Order (except with 3rd party sheets)
 - Always put your Author Sheet Last
 - Advance Understanding of Cascade Conflict Resolution and the Point System



- Calculating Final Values

HOW CSS VALUES ARE PROCESSED

	width (paragraph)	padding (paragraph)	font-size (root)	font-size (section)	font-size (paragraph)
1. Declared value (author declarations)	140px 66%	—	—	1.5rem	—
2. Cascaded value (after the cascade)	66%	—	16px (Browser default)	1.5rem	—
3. Specified value (defaulting, if there is no cascaded value)	66%	0px (Initial value)	16px	1.5rem	24px
4. Computed value (converting relative values to absolute)	66%	0px	16px	24px (1.5 * 16px)	24px
5. Used value (final calculations, based on layout)	184.8px	0px	16px	24px	24px
6. Actual value (browser and device restrictions)	185px	0px	16px	24px	24px

```

<div class="section">
  <p class="amazing">CSS is absolutely amazing</p>
</div>

```

```

.section {
  font-size: 1.5rem;
  width: 280px;
  background-color: orangered;
}

p {
  width: 140px;
  background-color: green;
}

.amazing {
  width: 66%;
}

```

↓

CSS is absolutely amazing

(Let's analyse the green paragraph)