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Layouting introduction



Agenda

- Homework Q & A - 20 min
- Today's course goals:
 - Quick recap
 - Recipe for breaking down a layout
 - This will be a bit slow but bare with me
 - Coding

Recap

- **Everything is a box**
 - **Border, padding, margin**
 - **Block elements go full width**
 - **Inline elements flow with the text**
 - **Also boxes, but can't have top, bottom margin**
- **HTML elements have default browser styles**
 - **Ex: body has a margin that needs to be reset**
 - **Ex: ul has some dots that need to be reset**

CSS selectors

- tag, class, id selector: `body`, `.menu`, `#app-root`
- child selector: `.menu li`, `.menu li > a`
- pseudo-class: `a:hover`, `li:first-child`
- pseudo-element: `a::before`, `a::after`
 - Use google and mdn to research:
 - “mdn css pseudo-class”





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Layout breakdown



Hardest thing in CSS?

- **Aligning elements next to each other**
- **Putting elements on top of each other**



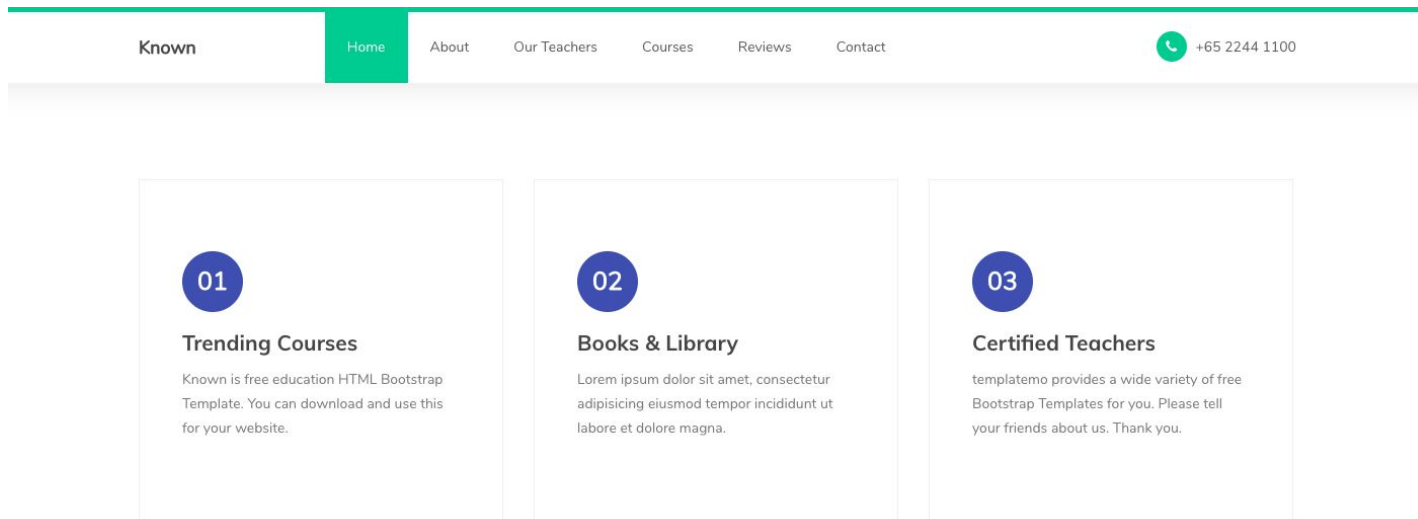
Steps for breaking down a layout

- **Divide and conquer**
 - **Is it complex?**
 - **Yes**
 - **Divide and conquer**
 - **No**
 - **Identify html element**

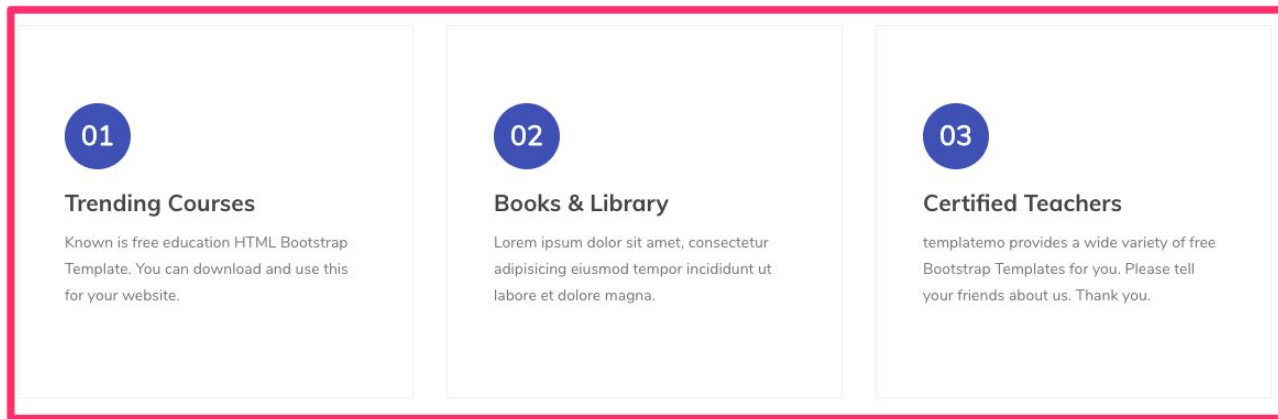
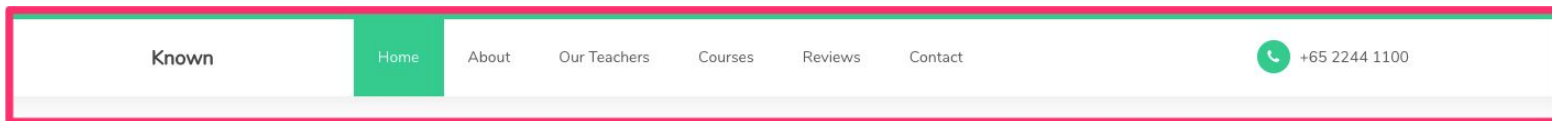
What makes an element “complex”?

- Are elements aligned next to each other?
 - Yes
 - Complex
 - No
 - Not Complex

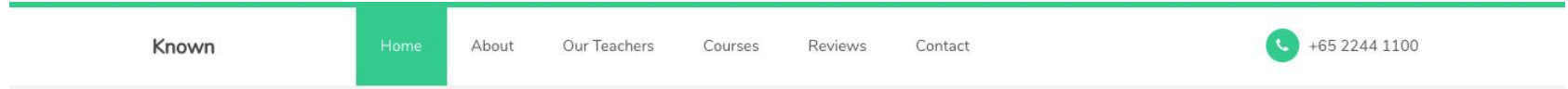
Divide and conquer - draw boxes around biggest elements



Divide and conquer - draw boxes around biggest elements



Divide and conquer - draw boxes around biggest elements



Divide and conquer - draw boxes around biggest elements



Complex or not?

Known

Complex?

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Complex?



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Complex?



Complex or not?

Known

Complex? No. What is it? It's a logo, so it's a link, so it's a ``

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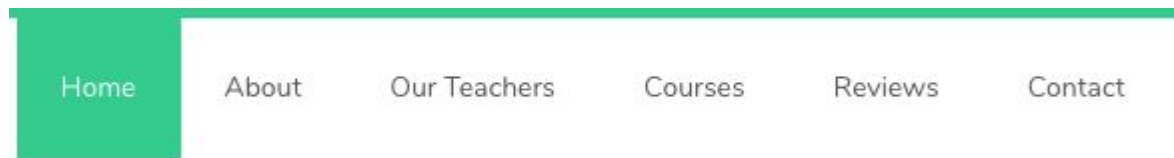
Complex? Yes. Divide and conquer.



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Complex? Yes. Divide and conquer.

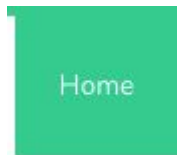
Complex or not?



Complex or not?



Complex or not?

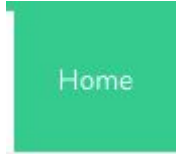


Complex?

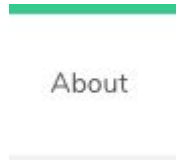


Complex?

Complex or not?



Complex? No. What is it? It's a menu link, so it's an `<a>`



Complex? No. What is it? It's a menu link, so it's an `<a>`

Complex or not?

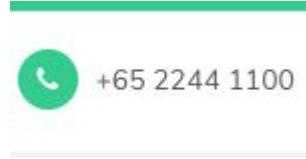


Complex?

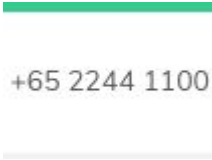
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Complex?

Complex or not?



Complex? No. What is it? It's an icon. SVG or font icon



Complex? No. What is it? It's inline text, so most probably a ``



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Identify HTML elements and layout schemes



Container and children

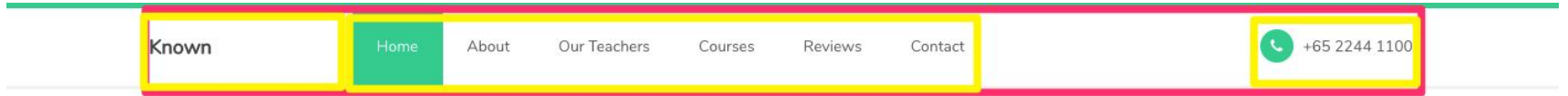
- **Container**
 - **What HTML element?**
 - **What's the layout scheme?**
- **Children**
 - **What HTML element?**
 - **What's the layout scheme?**

Container element



1. What HTML element?
2. What is the layout scheme?

Container element



1. What HTML element?
 - a. `<div class="header">`

2. What is the layout scheme?
 - a. Fixed width, centered

Children elements



1. What HTML elements?
2. What is the layout scheme?

Children elements



1. What HTML elements?
 - a. Logo, `<a>`
 - b. Menu, `<ul class="menu">`
 - c. Non paragraph text, ``

2. What is the layout scheme?
 - a. Flex, two items to the left, one to the right

Children elements



Container and children

- **Container**
 - **What HTML element?**
 - **What's the layout scheme?**
- **Children**
 - **What HTML element?**
 - **What's the layout scheme?**



Container element



1. What HTML element?
 - a. `<ul class="menu">`

2. What is the layout scheme?
 - a. Handled by parent element

Children elements



1. What HTML elements?
 - a. `<a>`

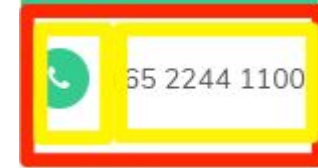
2. What is the layout scheme?
 - a. `display: flex;`

Children elements

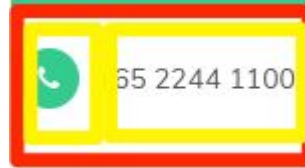


Container and children

- **Container**
 - **What HTML element?**
 - **What's the layout scheme?**
- **Children**
 - **What HTML element?**
 - **What's the layout scheme?**



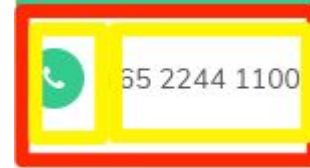
Container element



1. What HTML element?
 - a. ``

2. What is the layout scheme?
 - a. Handled by parent

Children elements

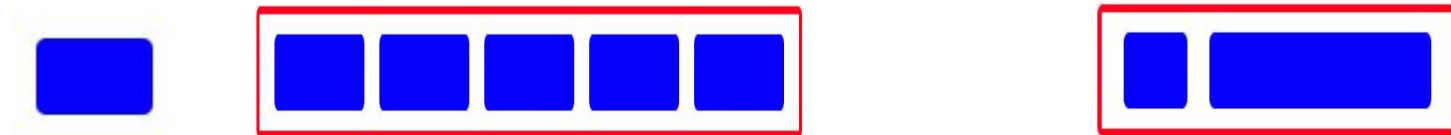


1. What HTML elements?
 - a. ``
 - b. ``

2. What is the layout scheme?
 - a. `display: flex;`



Put it all together





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Let's code it up



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