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Layouting introduction



Agenda

- **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**





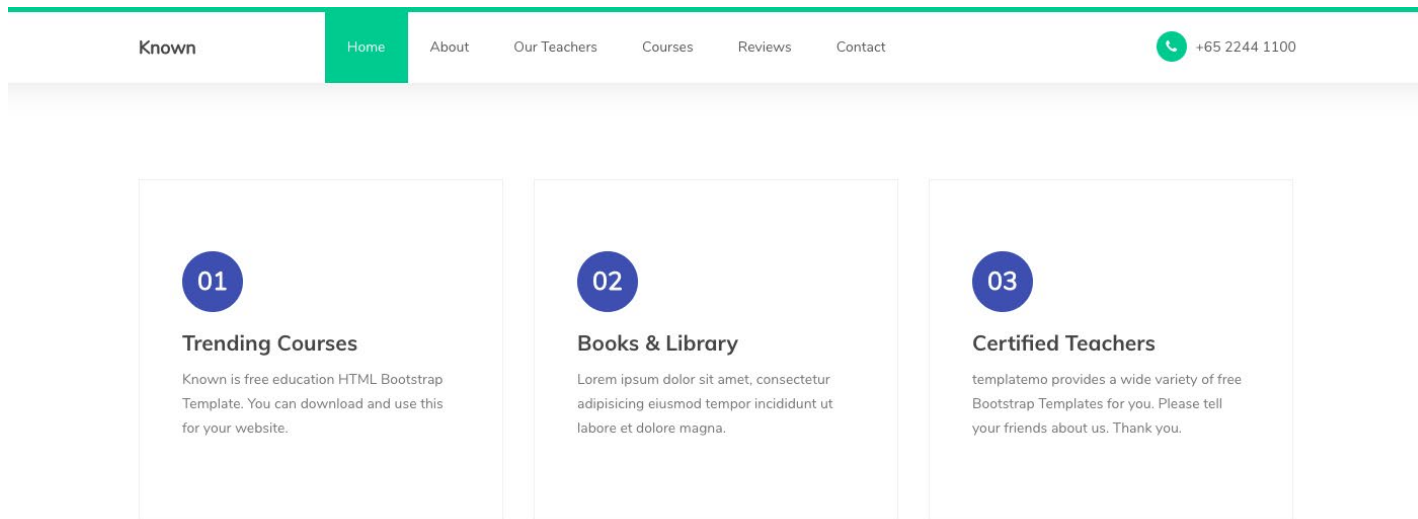
What makes an element “complex”?

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



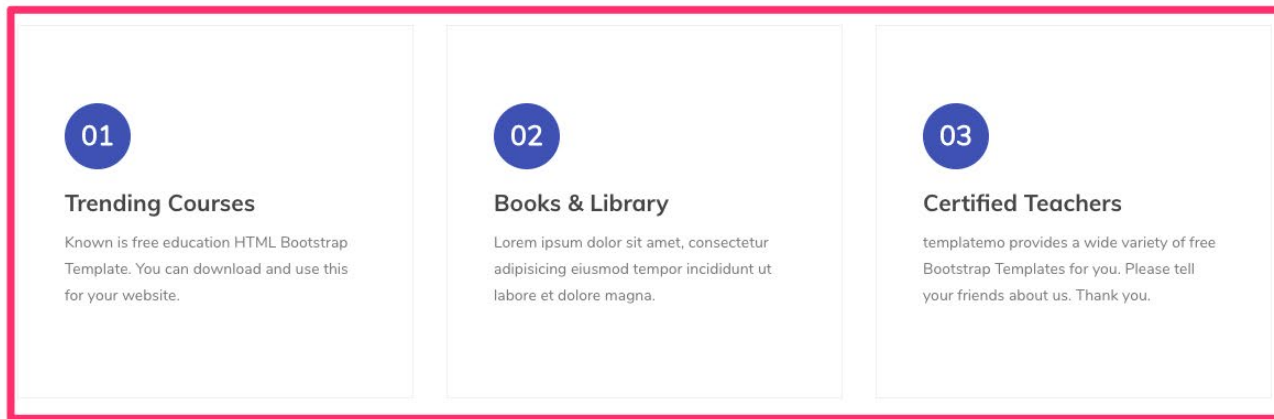
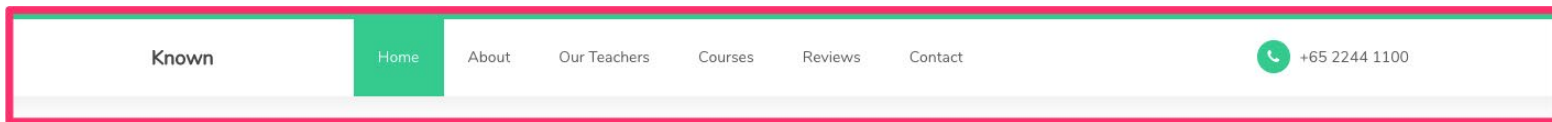


Divide and conquer - draw boxes around biggest elements



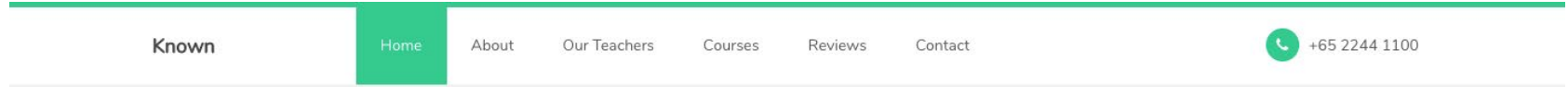


Divide and conquer - draw boxes around biggest elements



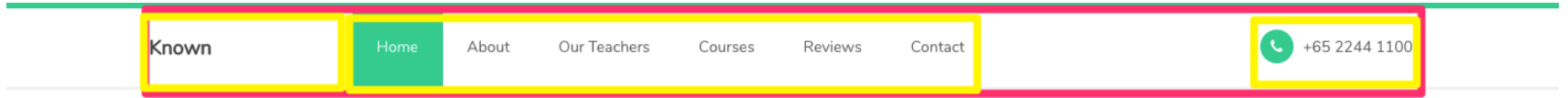


Divide and conquer - draw boxes around biggest elements





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.



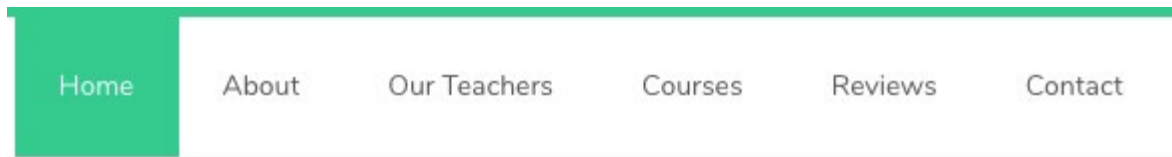
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Complex? Yes. Divide and conquer.





Complex or not?



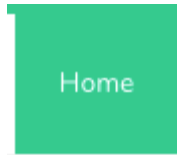


Complex or not?





Complex or not?

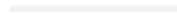


Complex?



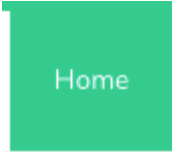
About

Complex?

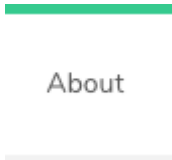




Complex or not?



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



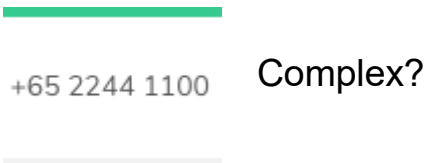
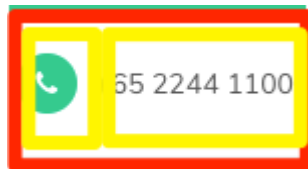
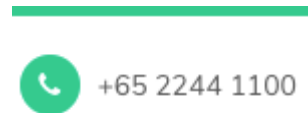
About

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



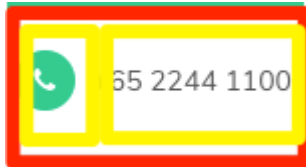
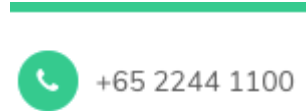


Complex or not?





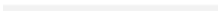
Complex or not?



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



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



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Identify HTML elements and layout schemes





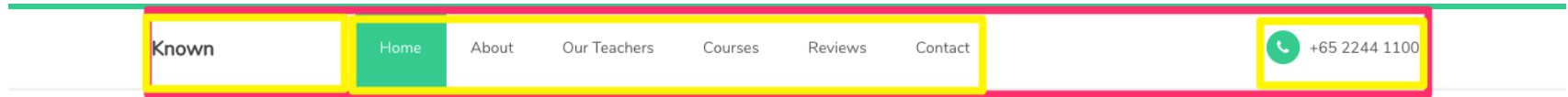
Container and children

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





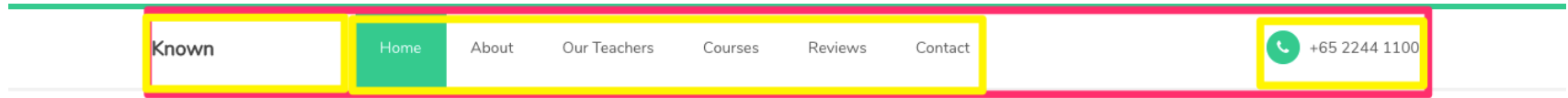
Container element



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



Container element

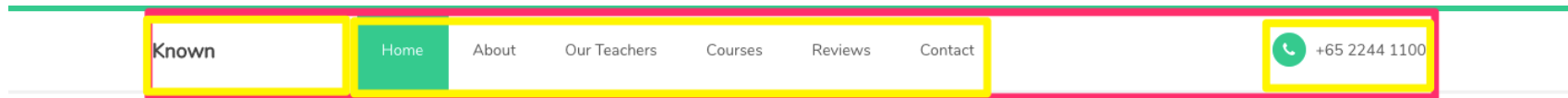


1. What HTML element?
 - a. `<div class="header">`

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



Children elements

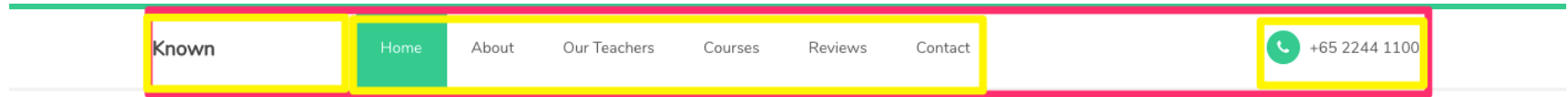


1. What HTML elements?
2. What is the layout scheme?





Children elements

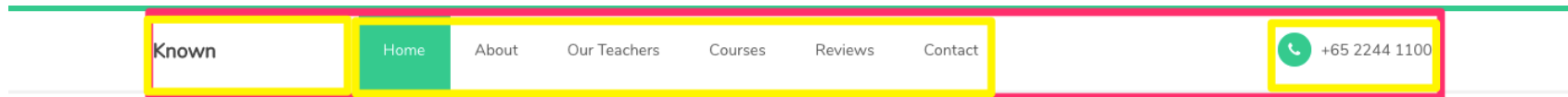


1. What HTML elements?
 - a. Logo, `<a>`
 - b. Menu, `<ul class="menu">`
 - c. Non paragraph text, ``

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



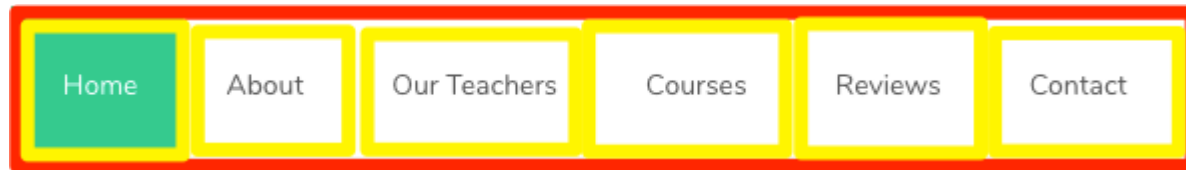
Children elements





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

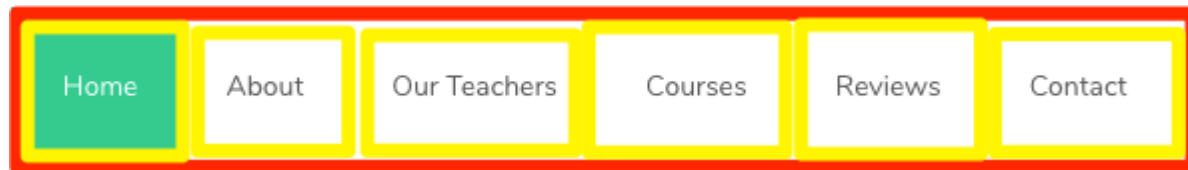


1. What HTML elements?
 - a. `<a>`

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



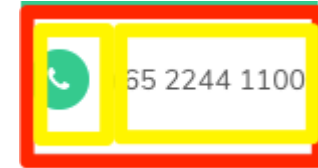
Children elements





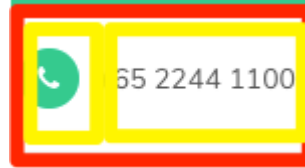
Container and children

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





Container element

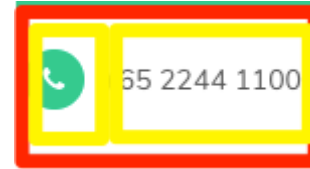


1. What HTML element?
 - a. ``

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

