

Grid



CSS Grid

- Powerful 2-dimensional setup
- First CSS module created specifically to solve common layout problems



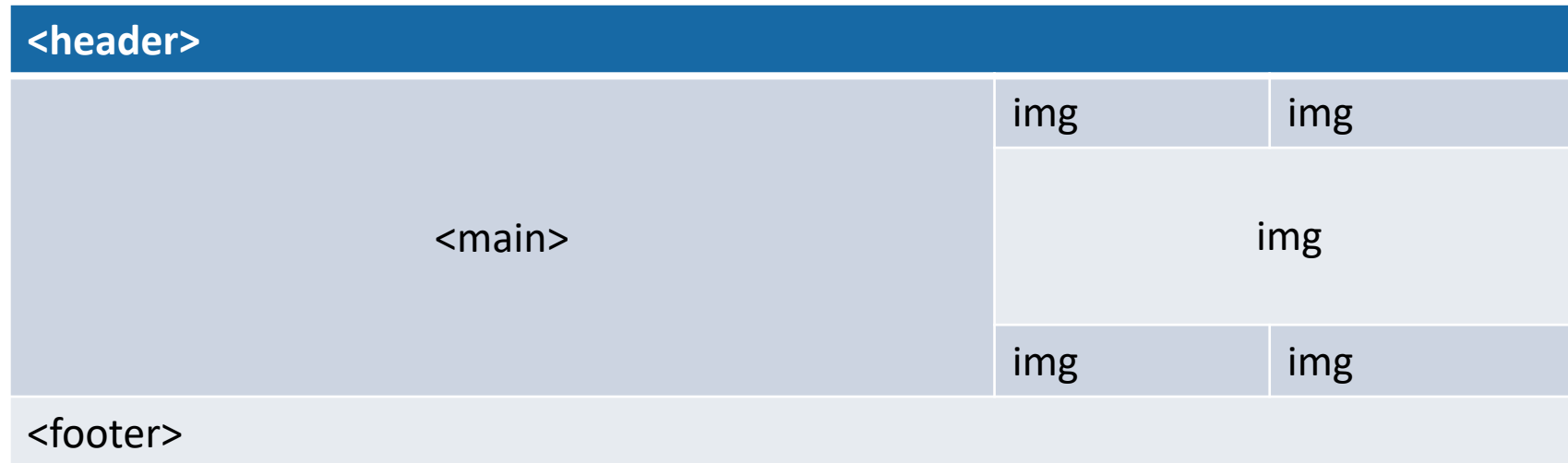
Getting Started with Grid

- Set display property of a container to **grid** and set the **grid-template-columns** and **grid-template-rows**.
- Insert items, optionally selecting the **grid-row** and **grid-column** values.



Why and When should you use Grid?

- Grid is well-suited to laying out pages and/or containers when you want control of the placement



Basic Properties of the container

```
.container {  
  • display: grid;  
  • grid-template-columns: 300px 500px 300px;  
  • grid-template-columns: 300px auto 300px;  
  • grid-template-columns: auto auto auto;  
  • grid-template-columns: repeat(3, 300px);  
  • grid-template-columns: 1fr 1fr 1fr;  
  • grid-template-columns: 1fr 2fr 1fr;  
}
```



Basic properties of the items

- grid-column-start
- grid-column-end
- grid-row-start
- grid-row-end
- **grid-**-start: <number> | <name> | span <number> | span <name> | auto;**
- **grid-**-end: <number> | <name> | span <number> | span <name> | auto;**
- **grid-column-end: -1;**



More conventions

- grid-column and row-column combine start and end
- grid-column: `<start-line> / <end-line> |`
`<start-line> / span <value>`

Example:

<https://codepen.io/ColleenEMc/pen/a0f16d2addb606d09659c30b97f0c311>



More Properties for the Parent

- display
- grid-template-columns
- grid-template-rows
- grid-template-areas
- grid-template
- grid-column-gap
- grid-row-gap
- grid-gap
- justify-items
- align-items
- place-items
- justify-content
- align-content
- place-content
- grid-auto-columns
- grid-auto-rows
- grid-auto-flow
- grid



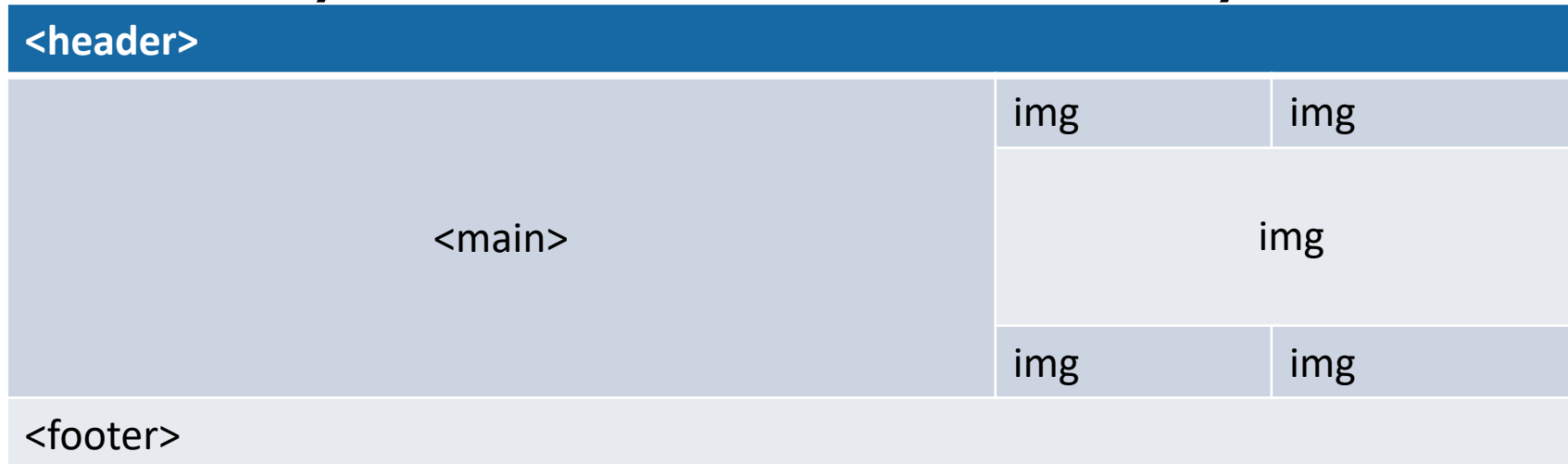
More Properties for the child

- grid-column-start
- grid-column-end
- grid-row-start
- grid-row-end
- grid-column
- grid-row
- grid-area
- justify-self
- align-self
- place-self



Write the code!!

- Analyze this layout and then write the code!
- How many columns? How many rows?



- Include some images.
 - Did you use columns? Did you need to?
 - How did it go with images sizes?



Demos

- <https://cssgridgarden.com/>
- <https://cssgrid-generator.netlify.com/>



Acknowledgements

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