Fundamentals of Web-Based Multimedia Communications:
Imagining the Internet's Interface

Laying Out Layouts: Flexbox and Grid

Friday 9/30, 1:45-3:00pm
Smith Warehouse Bay 12 A228
CMAC 240L, CMAC 740L, ISS 240L, ISS740L, VMS288L, VMS788L

Flexbox and Grid

Flexbox vs Grid

When to use?

- Use **Flexbox** for laying out items in a **single dimension**: either row **or** column.

- Use **Grid** for laying out items in **two dimensions**: in rows **and** columns.

- When using both methods, you want to define a parent element, otherwise known as a container, that all the Flexbox or Grid items are nested in.

- Flexbox and Grid can work together on a single page. A Flexbox element can be nested in a Grid container and vice versa.

Flexbox

Flexbox properties include:
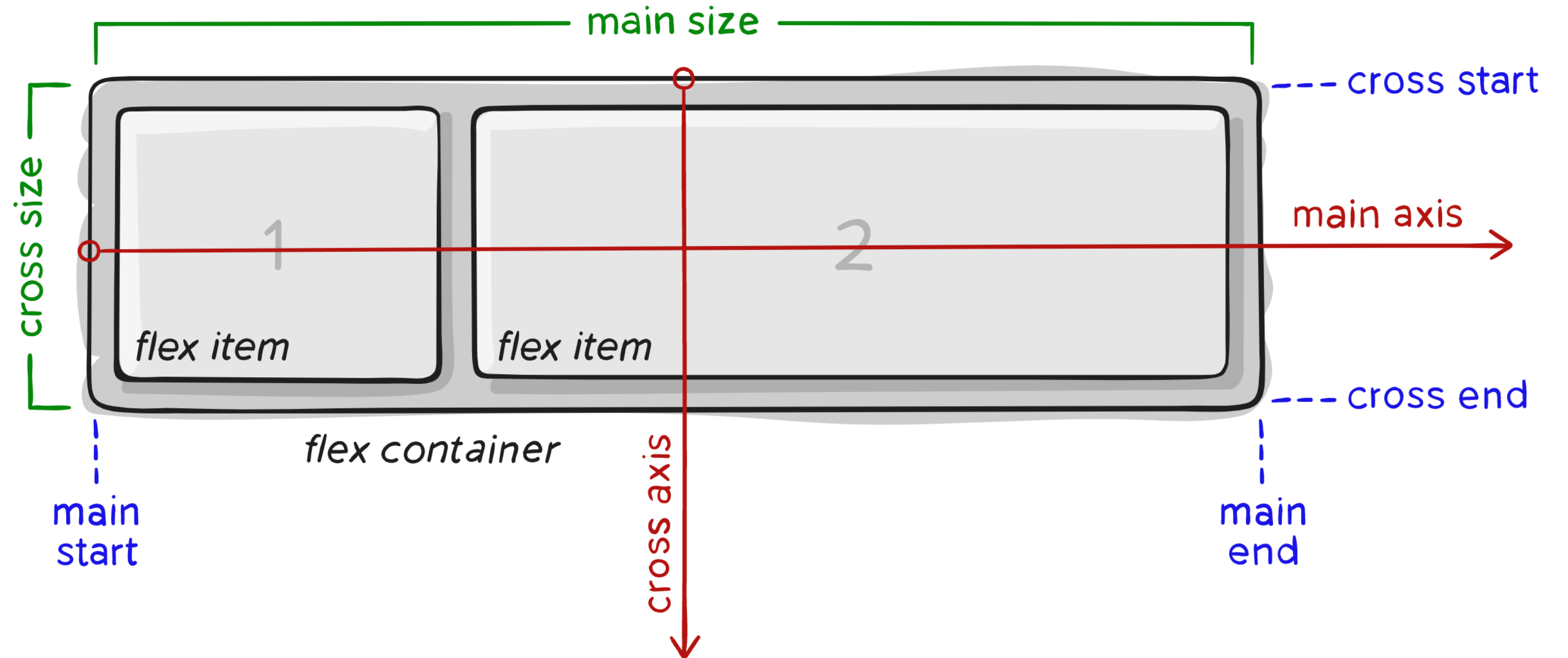
display

flex-direction

flex-wrap

flex-grow

flex-shrink

flex-basis

flex (flex-grow, flex-shrink and flex-basis combined)

justify-content

align-items

https://css-tricks.com/snippets/css/a-guide-to-flexbox/

Grid

Grid properties for parent/container element include:

display

grid-template-columns

grid-template-rows

grid-template-area

grid-template (shorthand for rows, columns areas)

column-gap
row-gap
grid-column-gap
grid-row-gap

Grid properties for children/Grid items include:

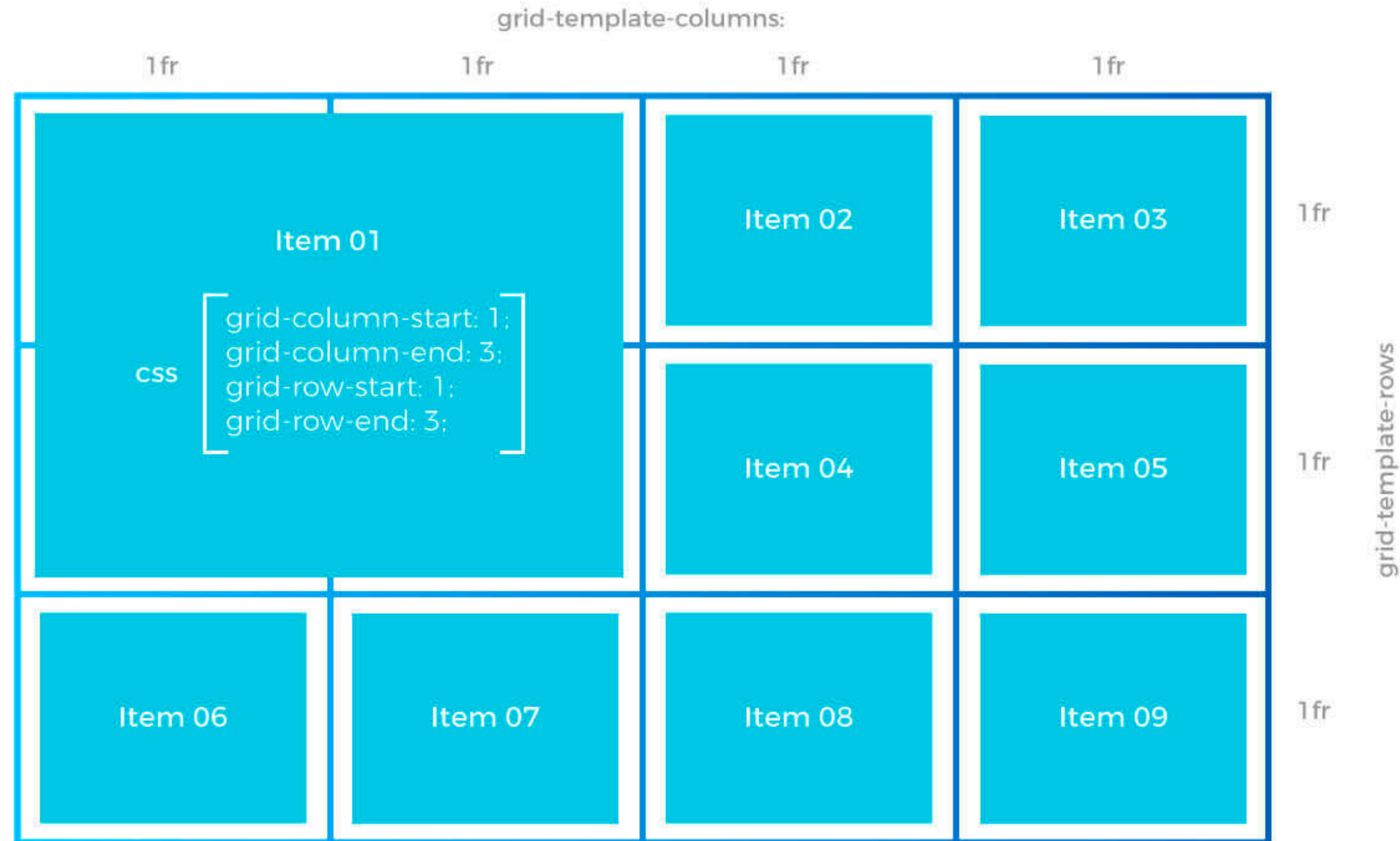grid-column-start
grid-column-end
grid-row-start
grid-row-end

grid-column (shorthand for start and end)

grid-row (shorthand for start and end)

grid-area

align-self

What's going on here?

To do:
- Personalize the landing page for all your projects (landing page template in Resources folder)
- Use comments to explain what is going on and what adjustments you have made
- Wireframe and/or sitemap for the next project **Laying Out Layouts**

Laying Out Layouts: Now that you have learned various ways to create responsive designs, make an informational website both telling and demonstrating how the CSS Box Model works, and how to use Floats, Flexbox, and CSS Grid to create responsive designs. How can you make this website conceptual? Can you make it a game or a statement of something? Wireframe this idea for the website to go over in class.