

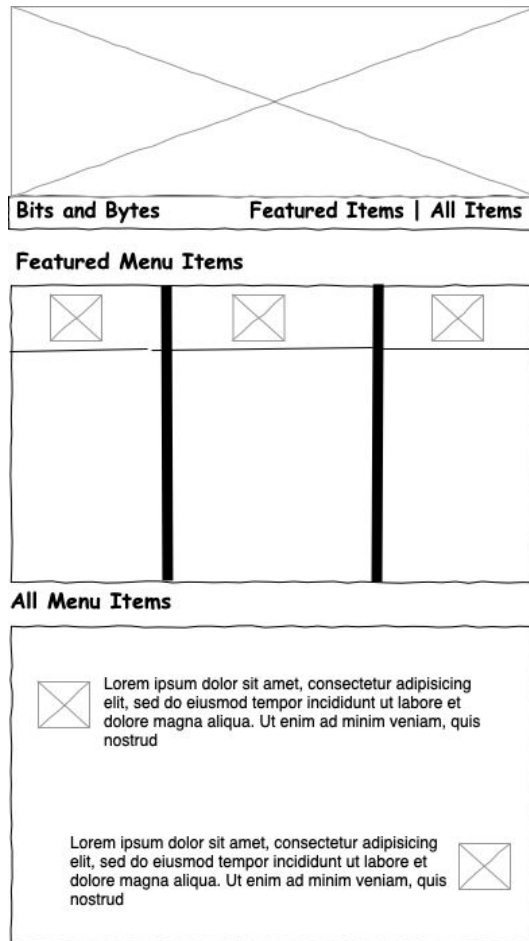
CSS FLEXBOX

FLEXBOX CODE EXERCISE

To learn how to use CSS **Flexbox**, we will lay out a site for a restaurant.

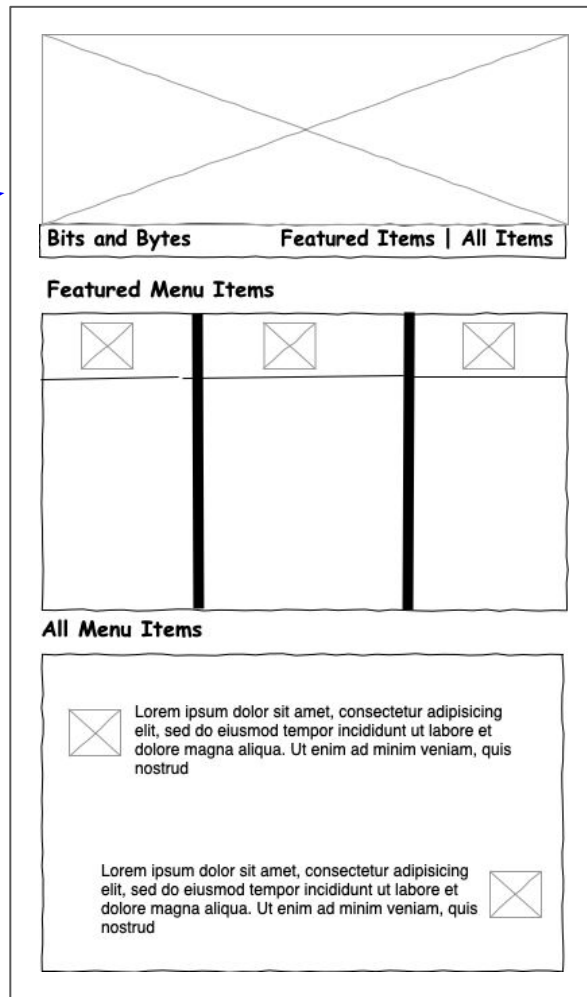
The diagram to the right is a **wireframe** of what we are aiming to build.

The HTML and styling info has been provided for us, but we will need to layout the page.



FLEXBOX CODE EXERCISE

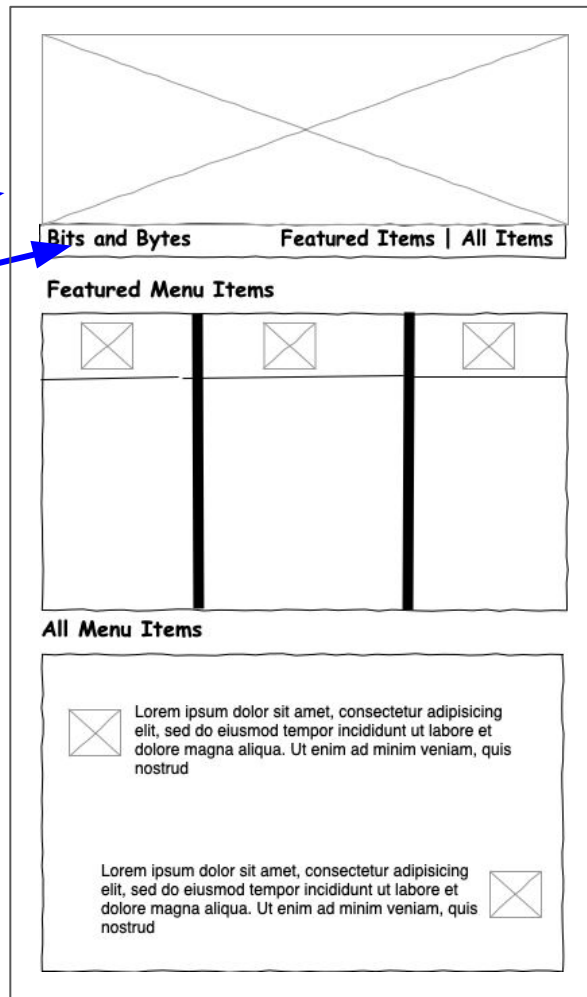
Container



FLEXBOX CODE EXERCISE

Container

Header image footer

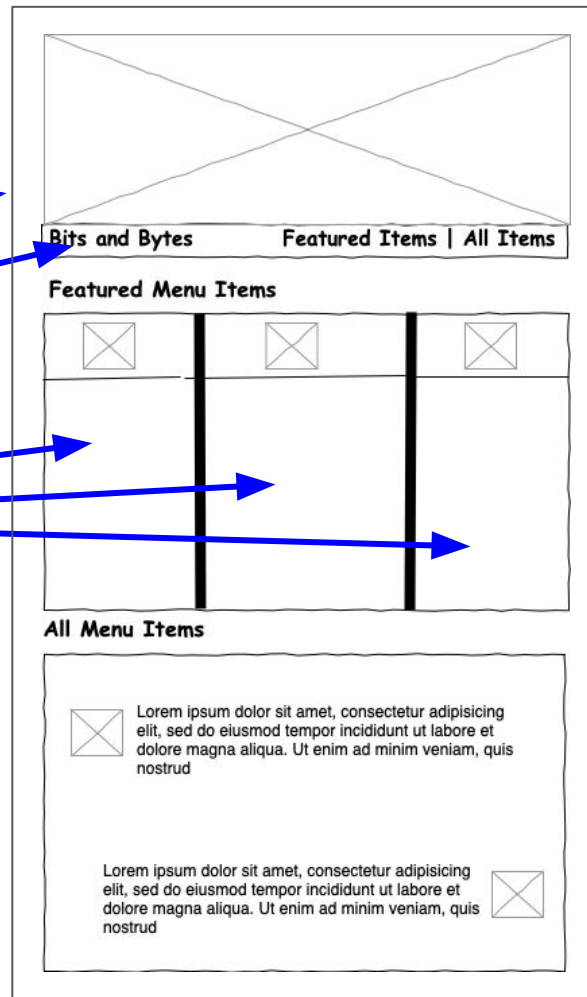


FLEXBOX CODE EXERCISE

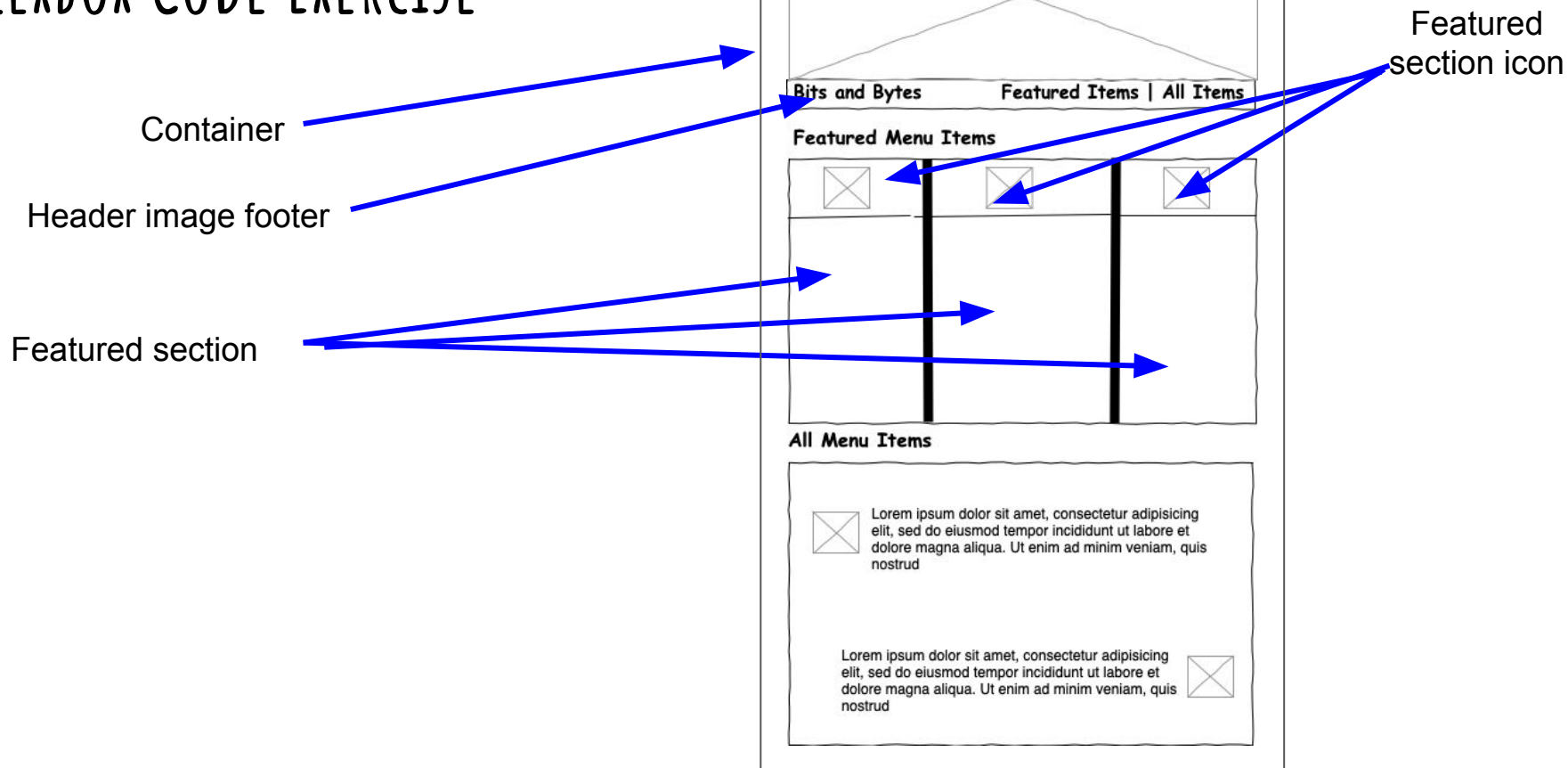
Container

Header image footer

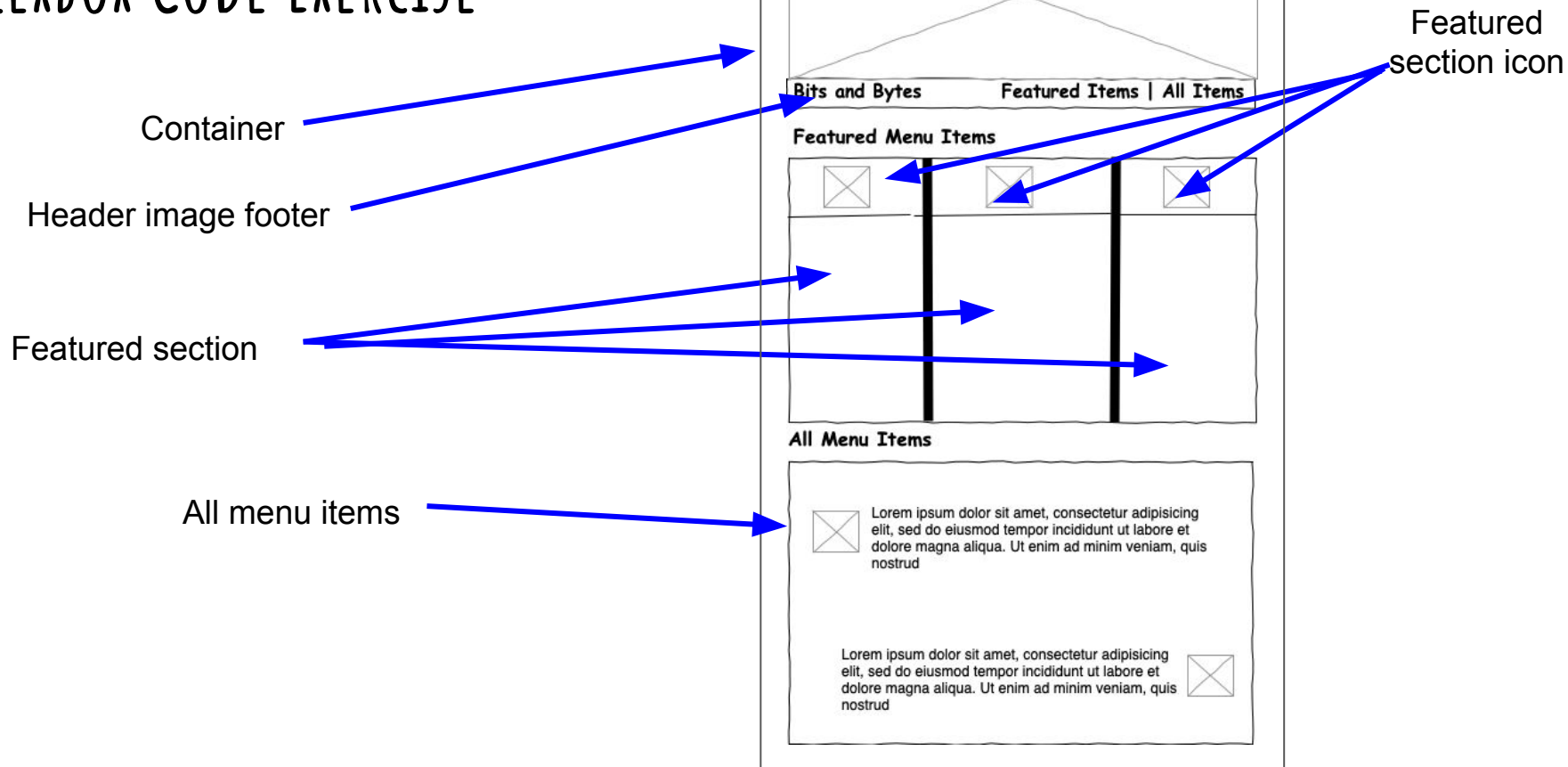
Featured section



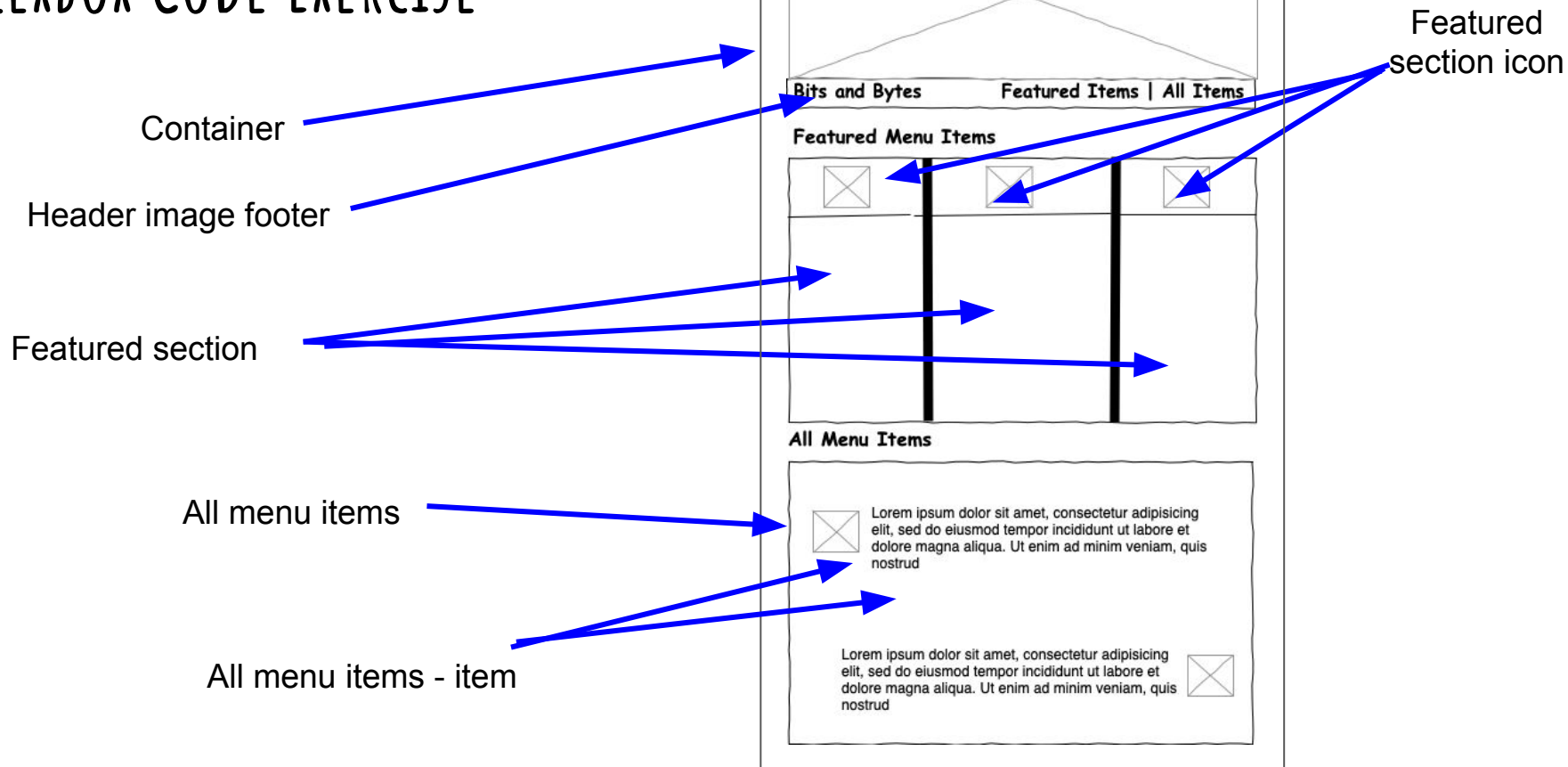
FLEXBOX CODE EXERCISE



FLEXBOX CODE EXERCISE

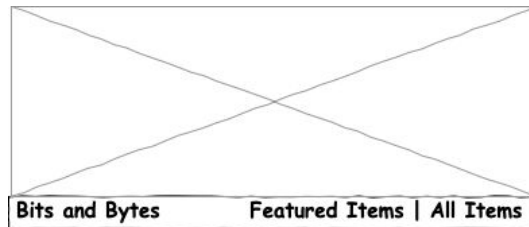


FLEXBOX CODE EXERCISE

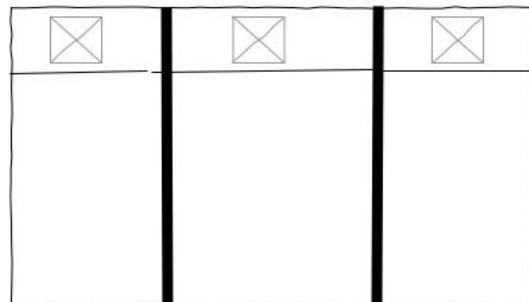


FLEXBOX CODE EXERCISE

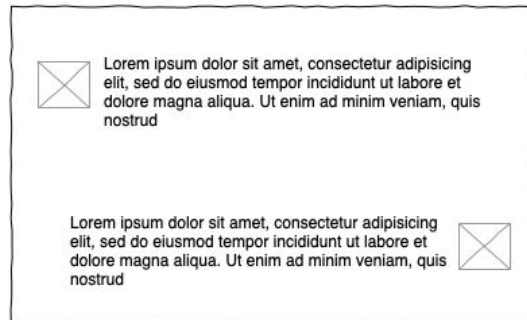
- Specify Flexbox container:
 - `display: flex;`
- Direct **children** of container **are Flexbox items**.
- **Default flex-direction** is **row**



Featured Menu Items

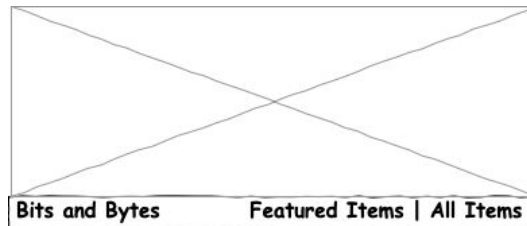
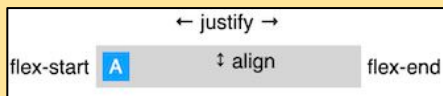


All Menu Items

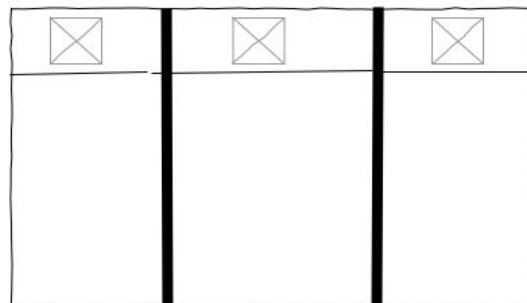


FLEXBOX CODE EXERCISE

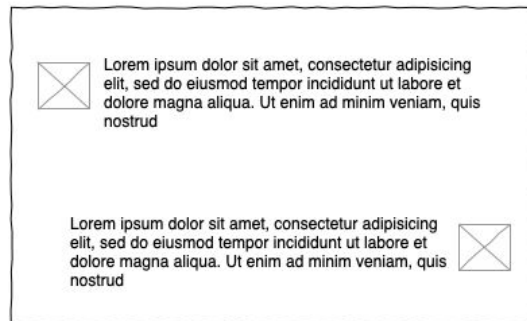
- Use `align-items` for vertical alignment
- Use `justify-content` for horizontal alignment
- When `flex-direction` is `column`, this behavior is reversed.



Featured Menu Items



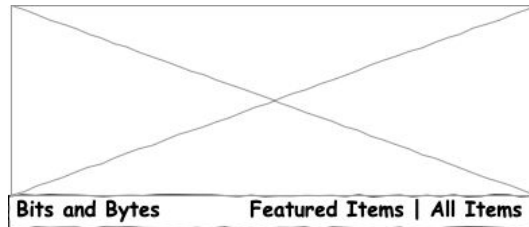
All Menu Items



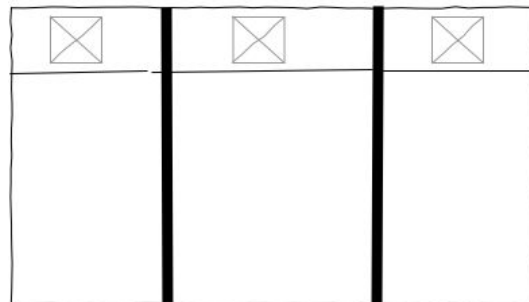
FLEXBOX CODE EXERCISE

Some options for
`justify-content`:

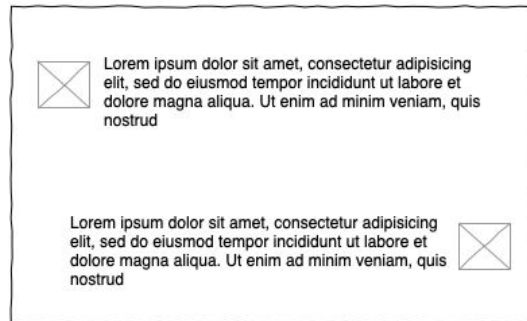
- `flex-start`
- `flex-end`
- `center`
- `space-between`
- `space-around`
- `space-evenly`



Featured Menu Items



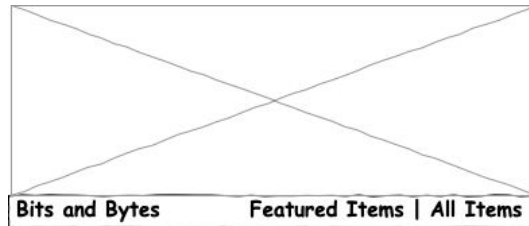
All Menu Items



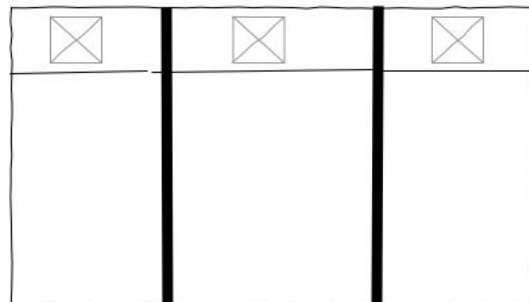
FLEXBOX CODE EXERCISE

Some options for
`align-items`:

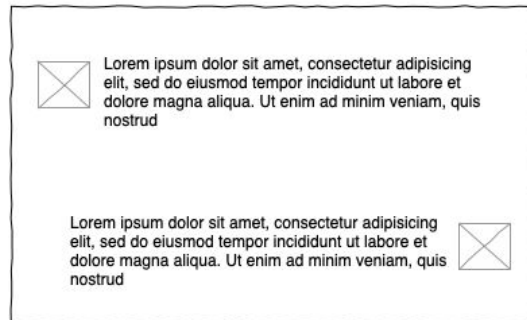
- `stretch`
- `flex-start`
- `flex-end`
- `center`



Featured Menu Items

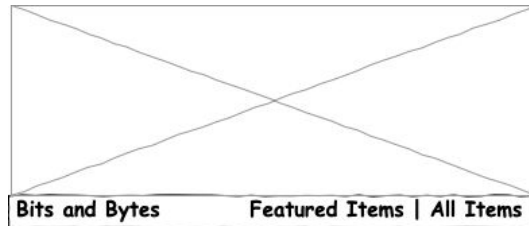


All Menu Items

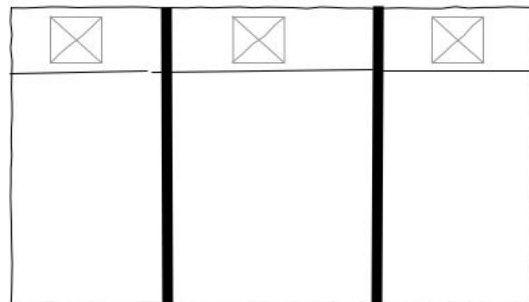


FLEXBOX CODE EXERCISE

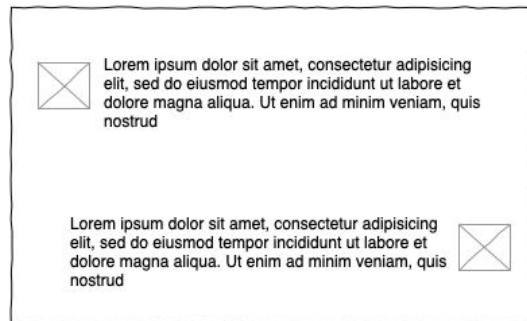
- **flex-grow**
 - Allows element to grow
 - 0 = false
 - 1 x = grow ratio
- **flex-shrink**
 - Allows element to shrink
 - 0 = false
 - 1 x = shrink ratio
- **flex-basis**
 - Defines the minimum (or ideal minimum) size of an element before the remaining space is distributed.



Featured Menu Items

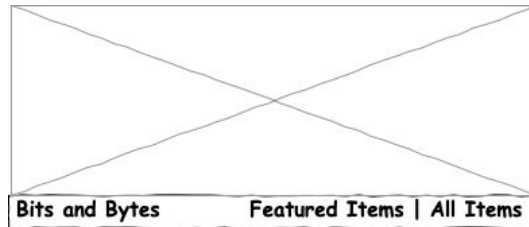


All Menu Items

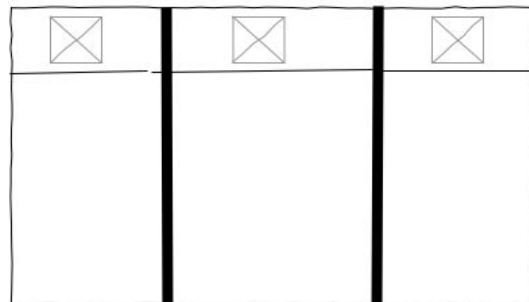


FLEXBOX CODE EXERCISE

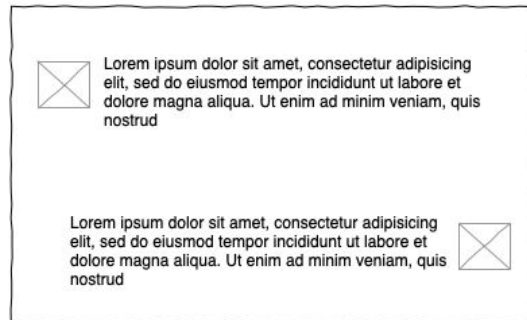
- **order**
 - Can specify **flex-item order** with numbers in this property
- **Row-reverse**
 - can be specified as **flex-direction**



Featured Menu Items



All Menu Items



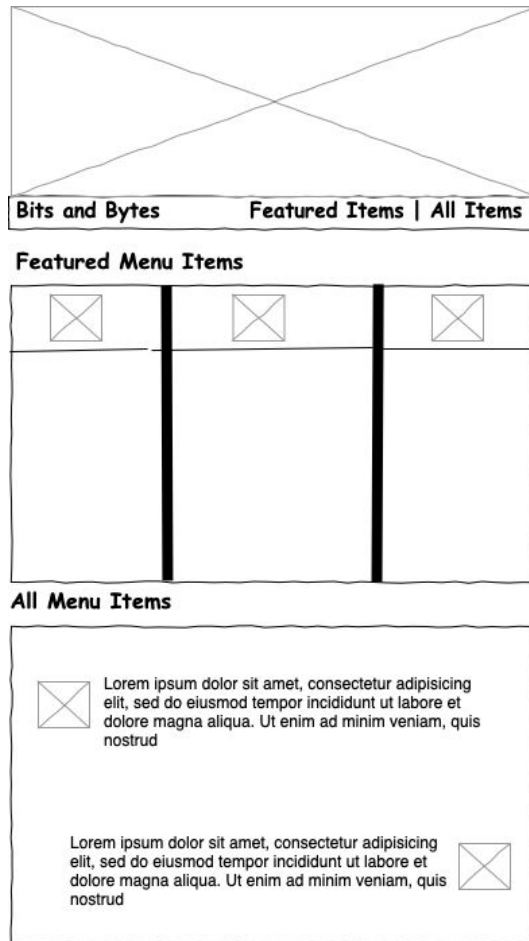
FLEXBOX CODE EXERCISE

The last problem to address is the responsive nature of the layout.

As we drag the window's edge to make the viewport smaller, notice the center flexbox, **#featured**, stays in a three-column layout.

We need to have the layout adjust when the viewport gets below 1024px.

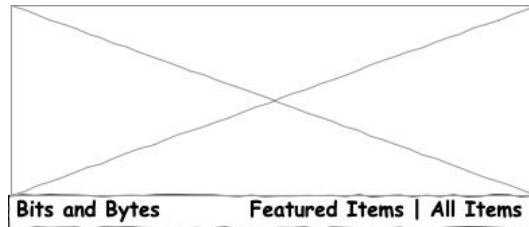
How can we achieve that?



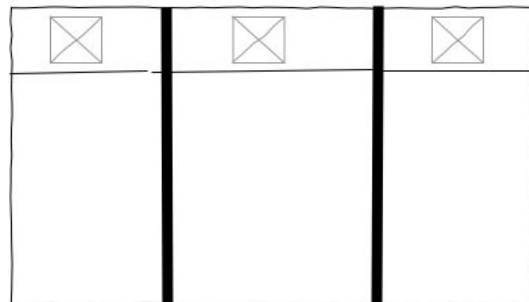
FLEXBOX CODE EXERCISE

flex-wrap:

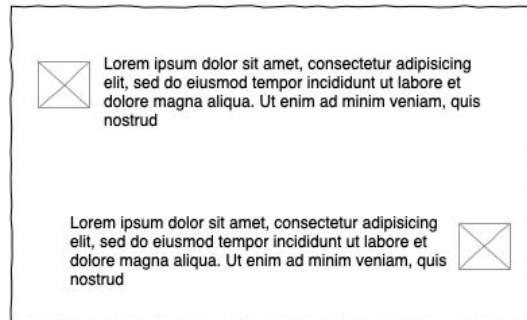
- nowrap
- wrap
- wrap-reverse



Featured Menu Items



All Menu Items



USEFUL LINKS

Flexbox Practice:

<https://flexboxfroggy.com/>

Flexbox on css-tricks.com:

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