

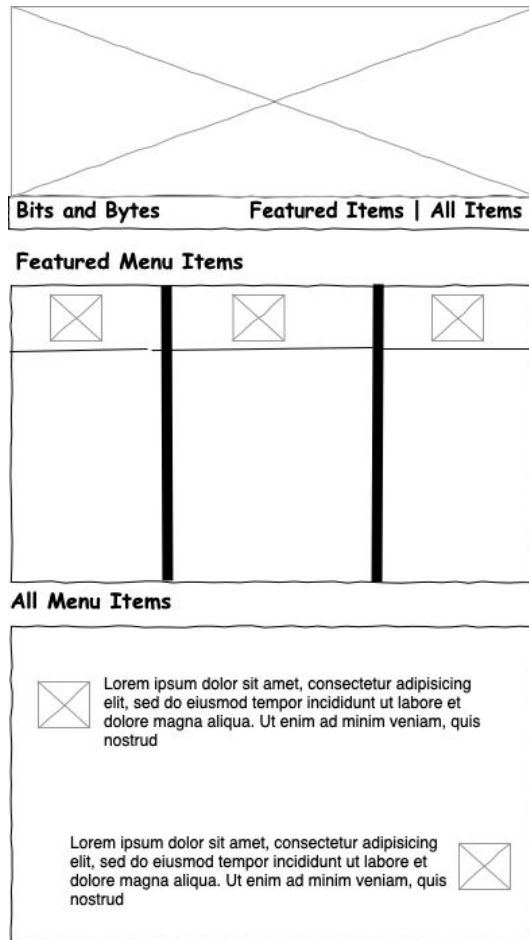
# CSS FLEXBOX

# FLEXBOX CODE EXERCISE

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

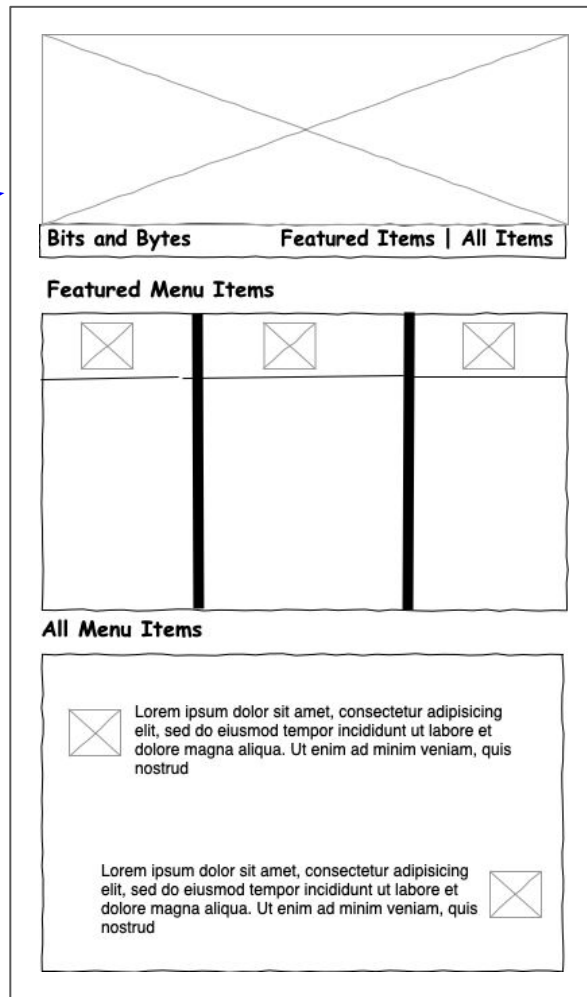
The diagram to the right is a **wireframe** of what we are aiming to build.

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



# FLEXBOX CODE EXERCISE

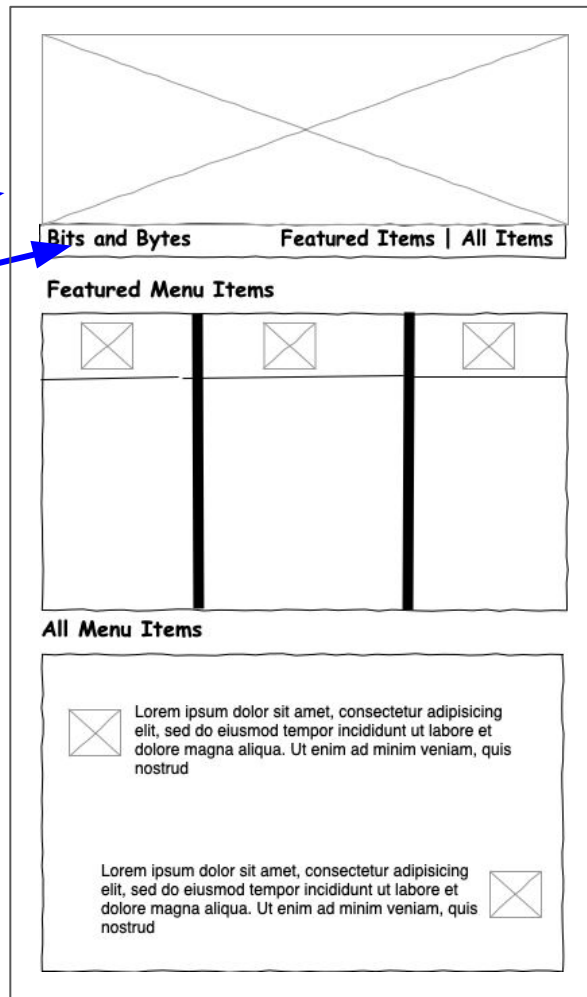
Container



# FLEXBOX CODE EXERCISE

Container

Header image footer

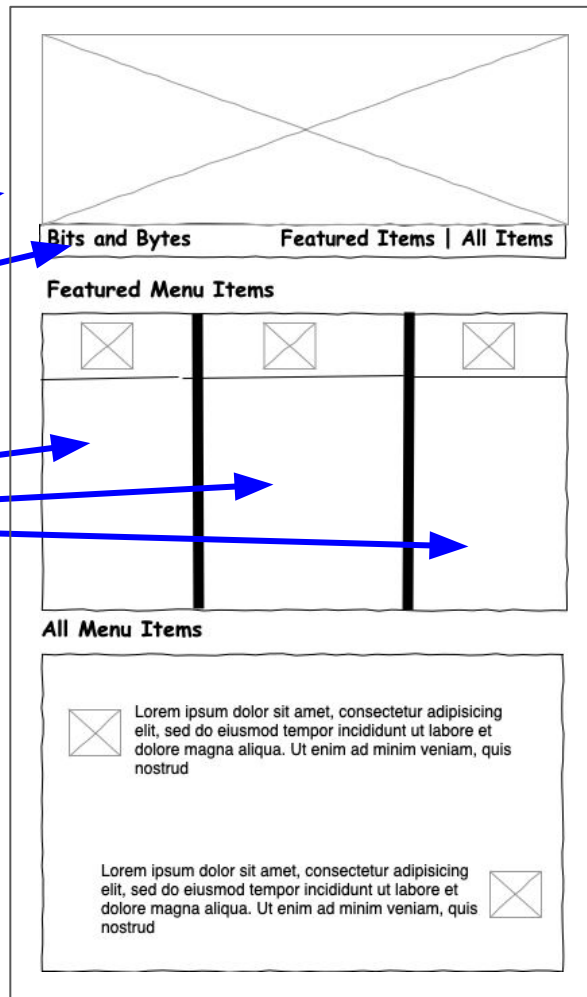


# FLEXBOX CODE EXERCISE

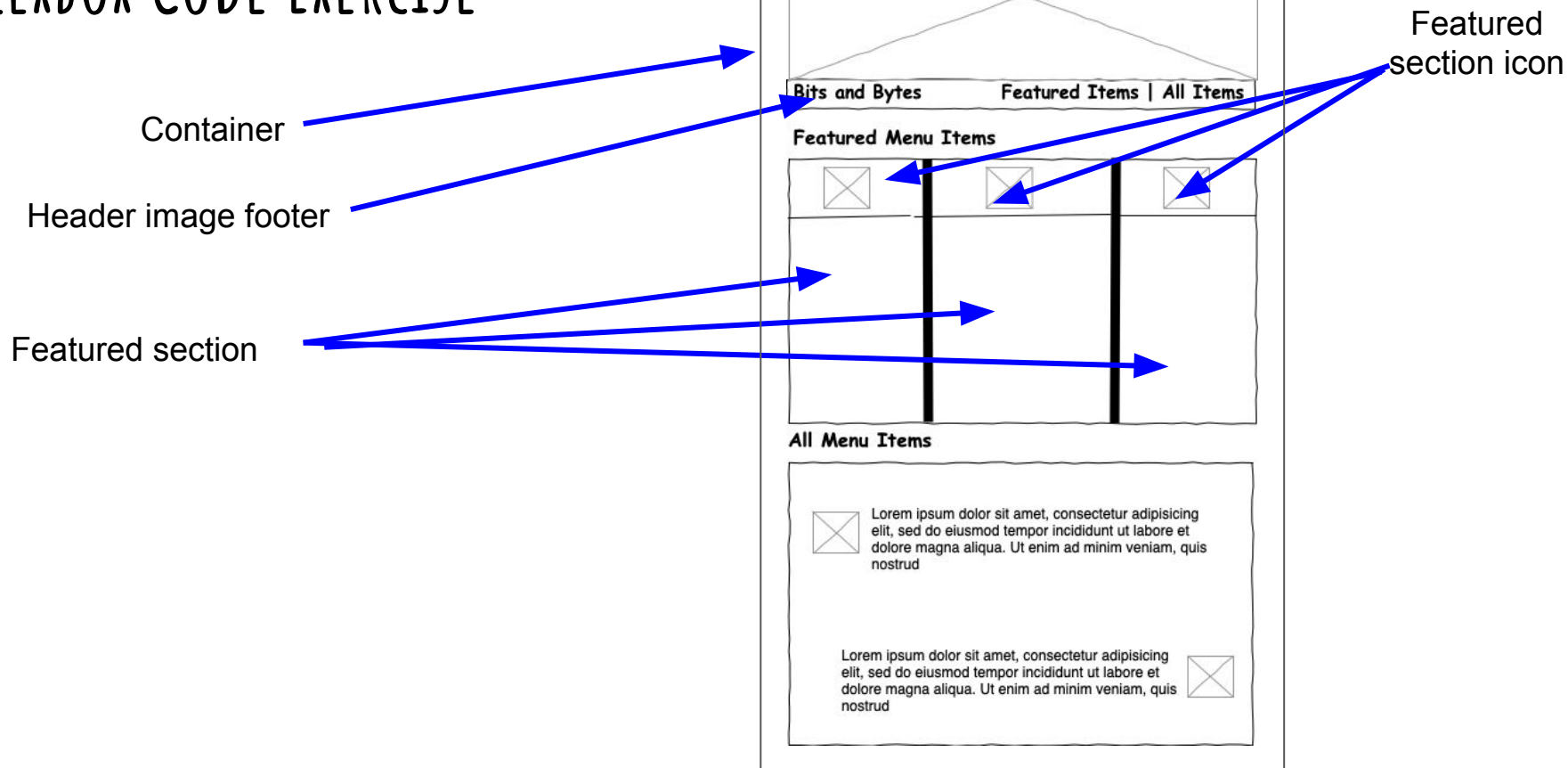
Container

Header image footer

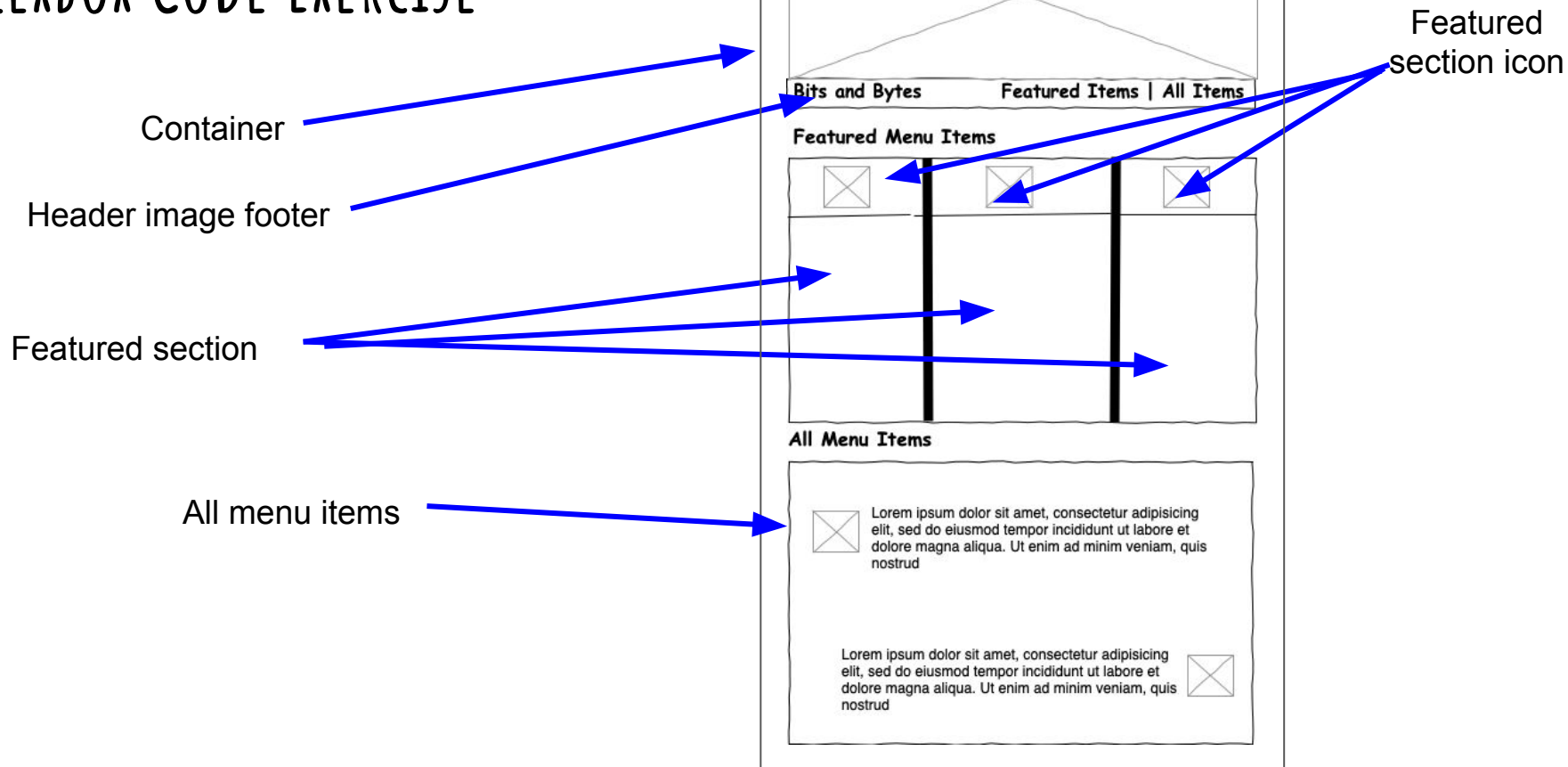
Featured section



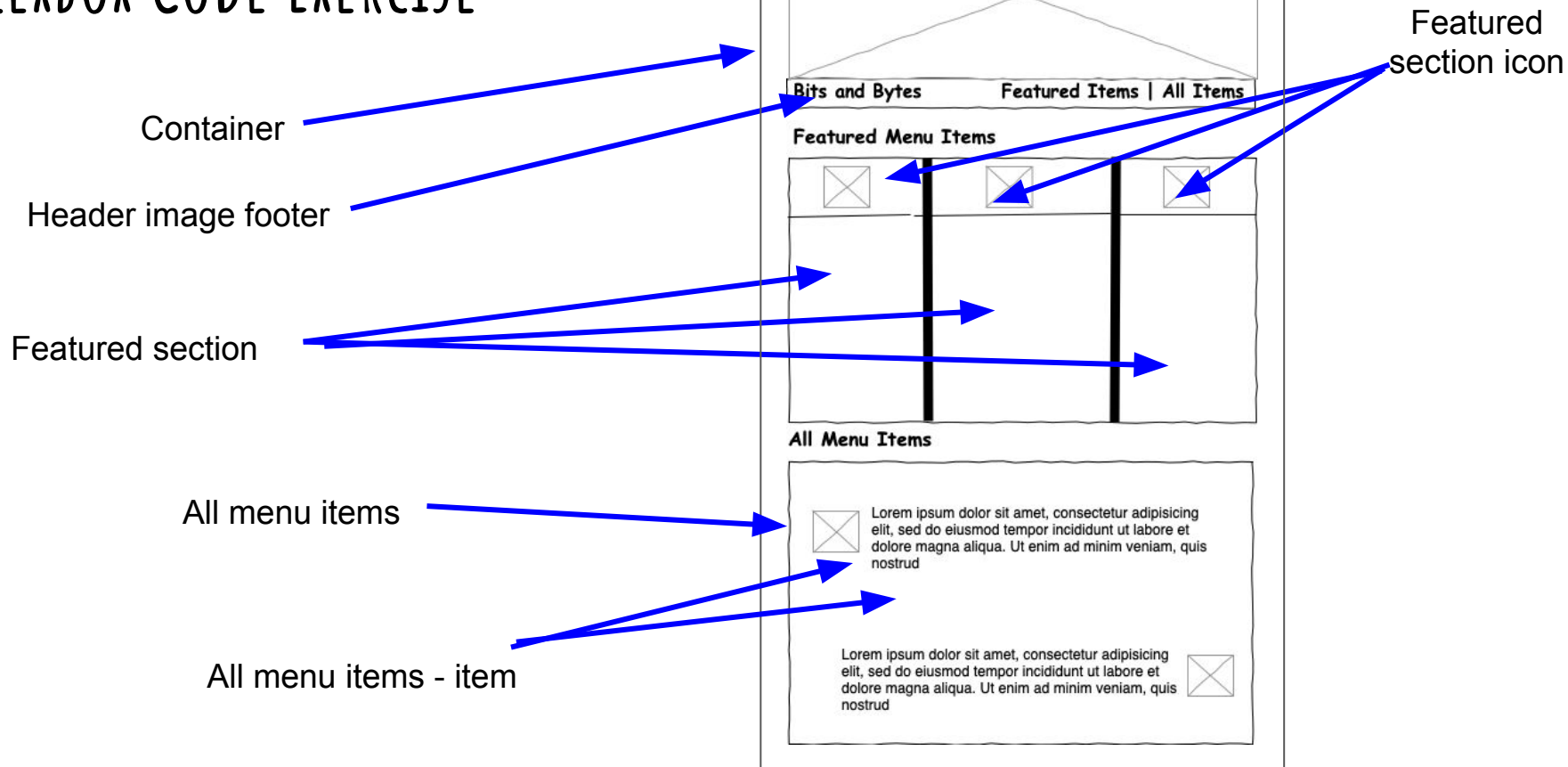
# FLEXBOX CODE EXERCISE



# FLEXBOX CODE EXERCISE



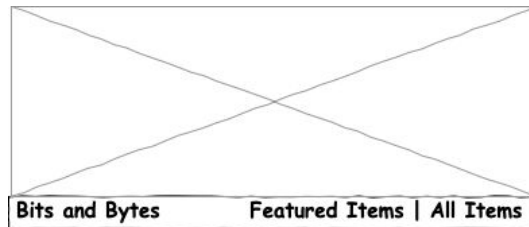
# FLEXBOX CODE EXERCISE



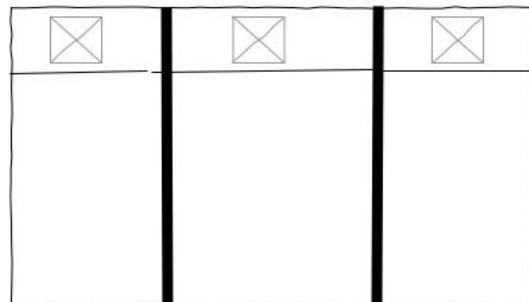


# FLEXBOX CODE EXERCISE

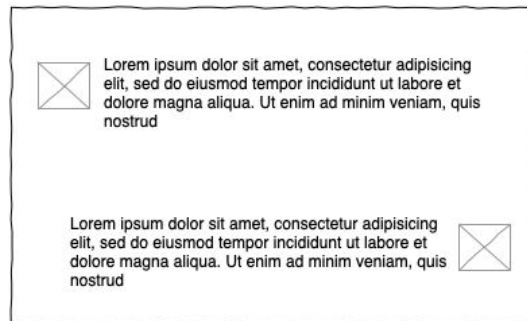
- Specify Flexbox container:
  - `display: flex;`
- Direct **children** of container **are Flexbox items**.
- **Default flex-direction** is **row**



Featured Menu Items

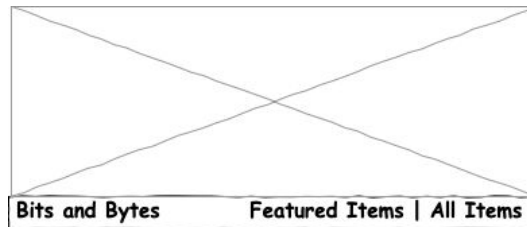
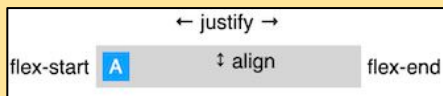


All Menu Items

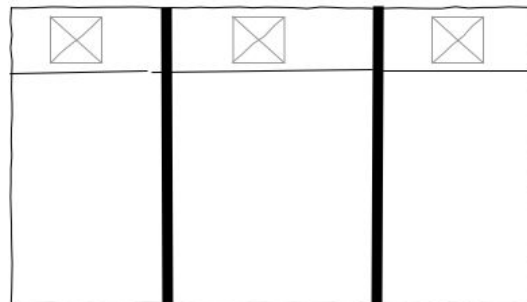


# FLEXBOX CODE EXERCISE

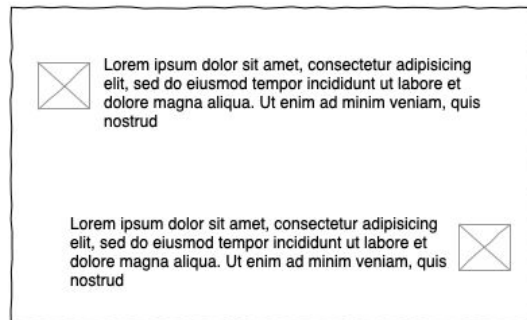
- Use `align-items` for vertical alignment
- Use `justify-content` for horizontal alignment
- When `flex-direction` is `column`, this behavior is reversed.



Featured Menu Items



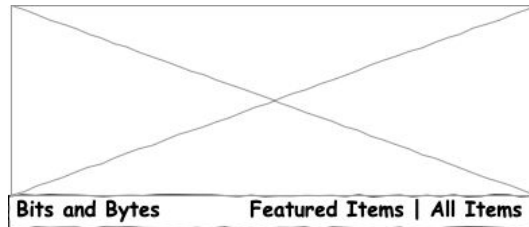
All Menu Items



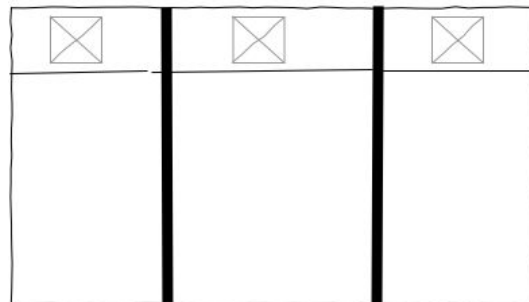
# FLEXBOX CODE EXERCISE

Some options for  
`justify-content`:

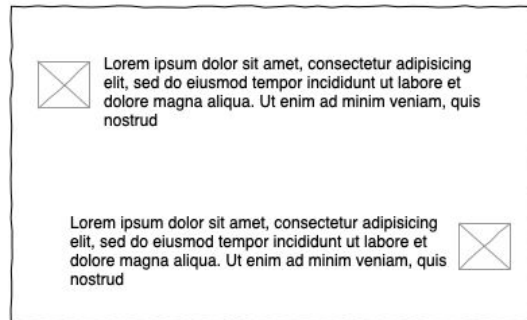
- `flex-start`
- `flex-end`
- `center`
- `space-between`
- `space-around`
- `space-evenly`



Featured Menu Items



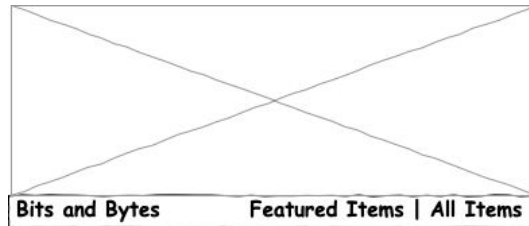
All Menu Items



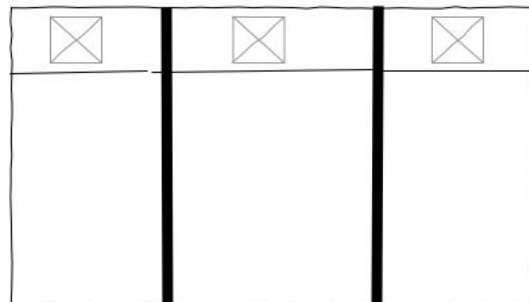
# FLEXBOX CODE EXERCISE

Some options for  
`align-items`:

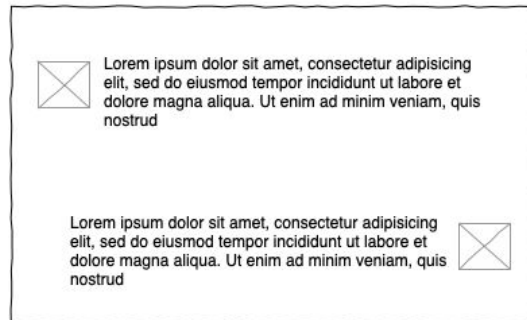
- `stretch`
- `flex-start`
- `flex-end`
- `center`



Featured Menu Items

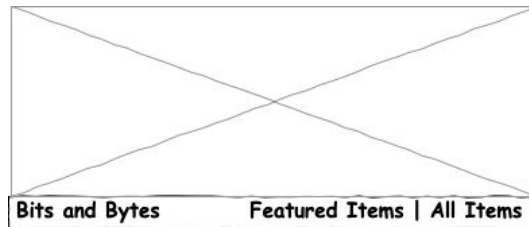


All Menu Items

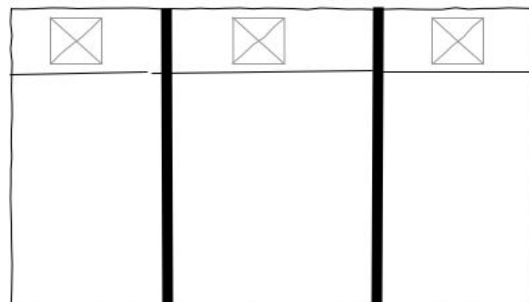


# FLEXBOX CODE EXERCISE

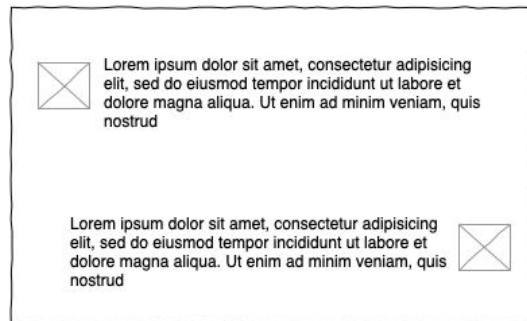
- **flex-grow**
  - Allows element to grow
  - 0 = false
  - 1 .... x = grow ratio
- **flex-shrink**
  - Allows element to shrink
  - 0 = false
  - 1 .... x = shrink ratio
- **flex-basis**
  - Defines the default size of an element before the remaining space is distributed.



Featured Menu Items

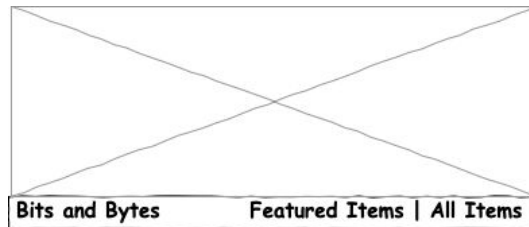


All Menu Items

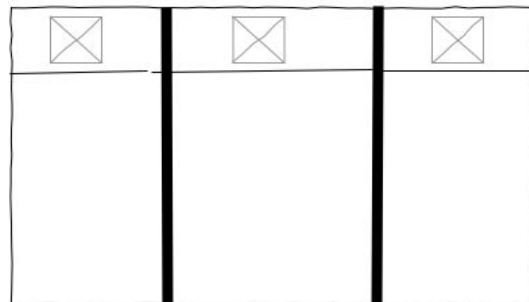


# FLEXBOX CODE EXERCISE

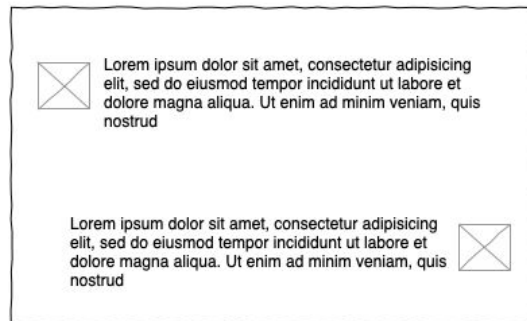
- **order**
  - Can specify **flex-item order** with numbers in this property
- **Row-reverse**
  - can be specified as **flex-direction**



## Featured Menu Items



## All Menu Items



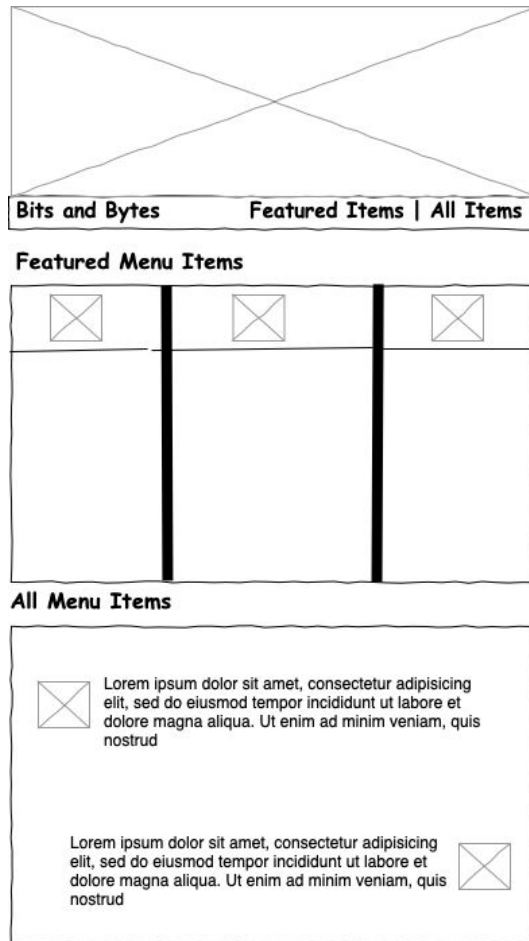
# FLEXBOX CODE EXERCISE

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.

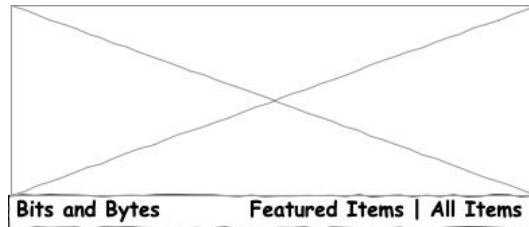
How can we achieve that?



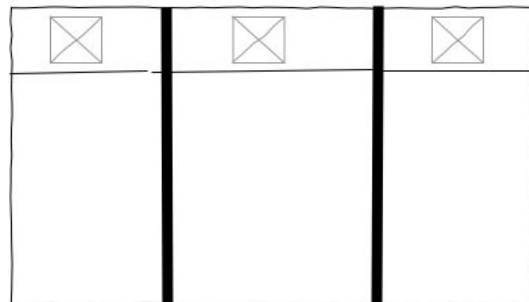
# FLEXBOX CODE EXERCISE

## flex-wrap:

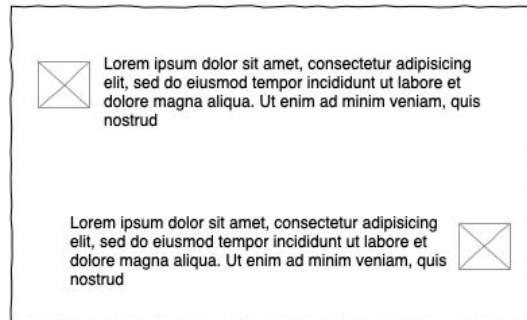
- nowrap
- wrap
- wrap-reverse



### Featured Menu Items



### All Menu Items





# USEFUL LINKS

Flexbox Practice:

<https://flexboxfroggy.com/>