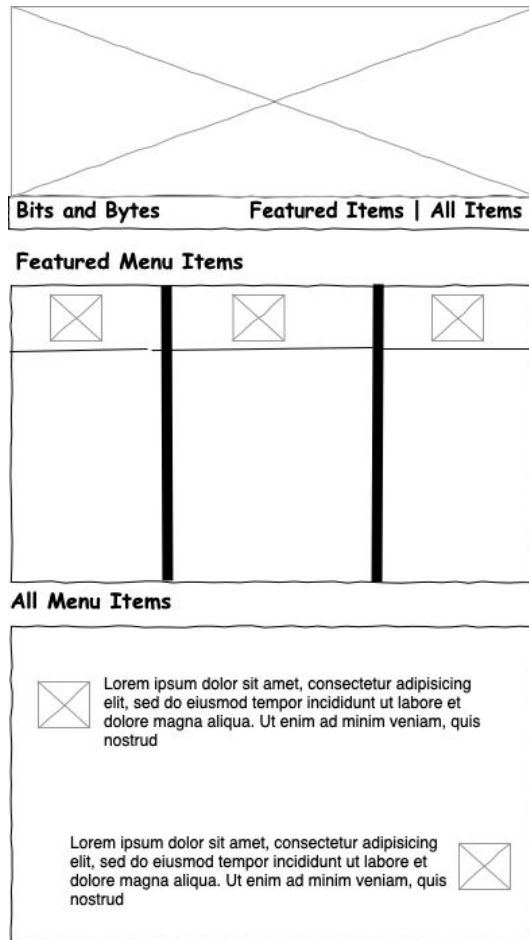# CSS Flexbox

Flexbox Code Exercise

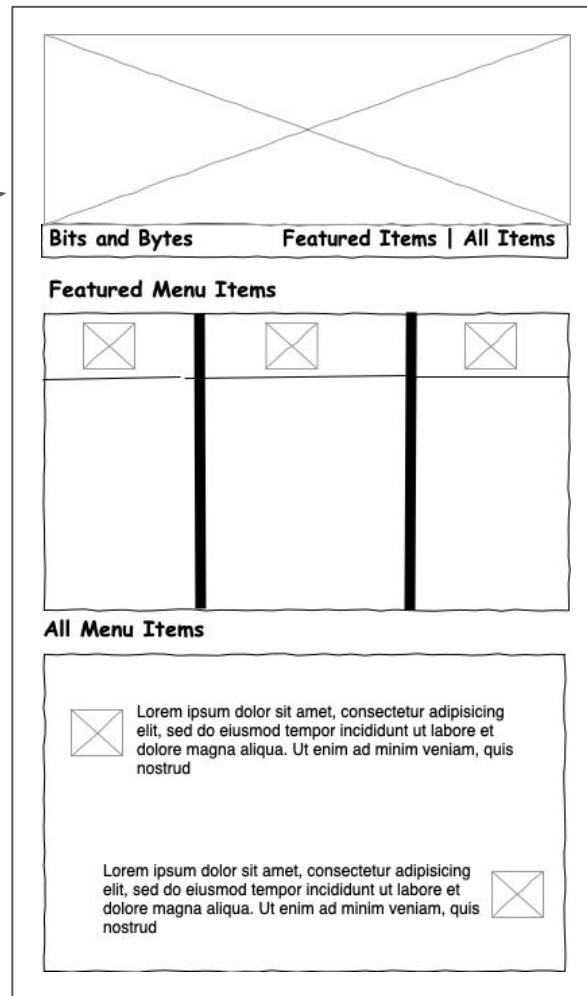To learn how to use CSS **Flexbox**, we will lay out a site for a restaurant.

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.

Bits and Bytes   Featured Items | All Items

Featured Menu Items

All Menu Items

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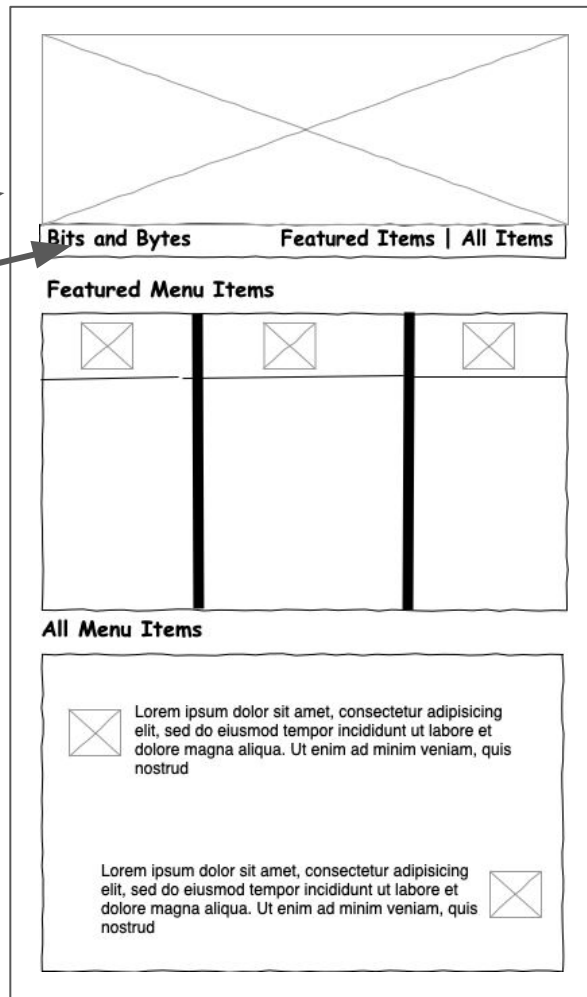
Flexbox Code Exercise

Container

Flexbox Code Exercise

Container

Header image footer

Flexbox Code Exercise

Container

Header image footer

Featured section

Bits and Bytes   Featured Items | All Items

Featured Menu Items

All Menu Items

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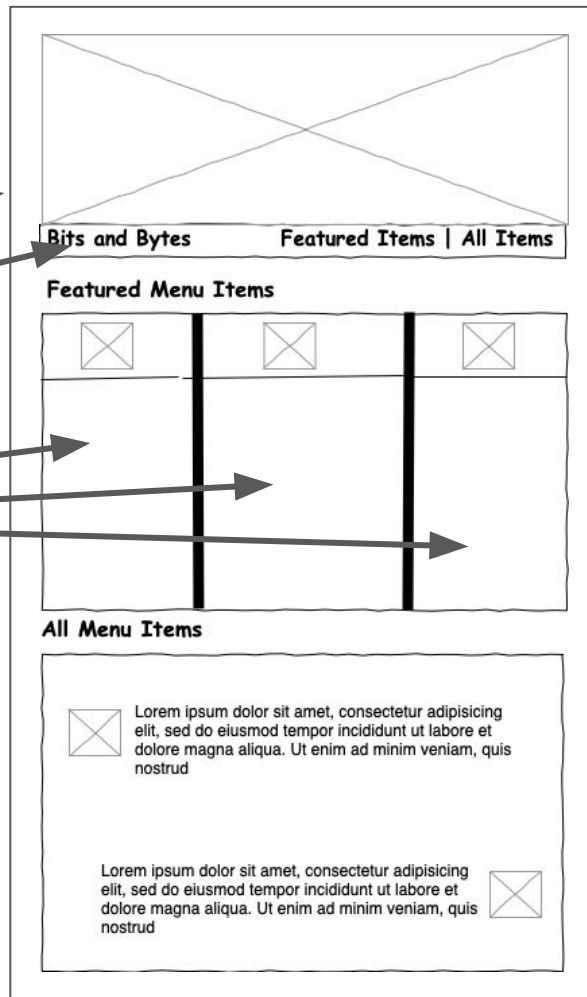# Flexbox Code Exercise

Container

Header image footer

Featured section

Featured section icon

Bits and Bytes   Featured Items | All Items

Featured Menu Items

All Menu Items

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Featured
section icon

Container

Header image footer

Featured section

All menu items

Bits and Bytes   **Featured Items | All Items**

Featured Menu Items

All Menu Items

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Flexbox Code Exercise
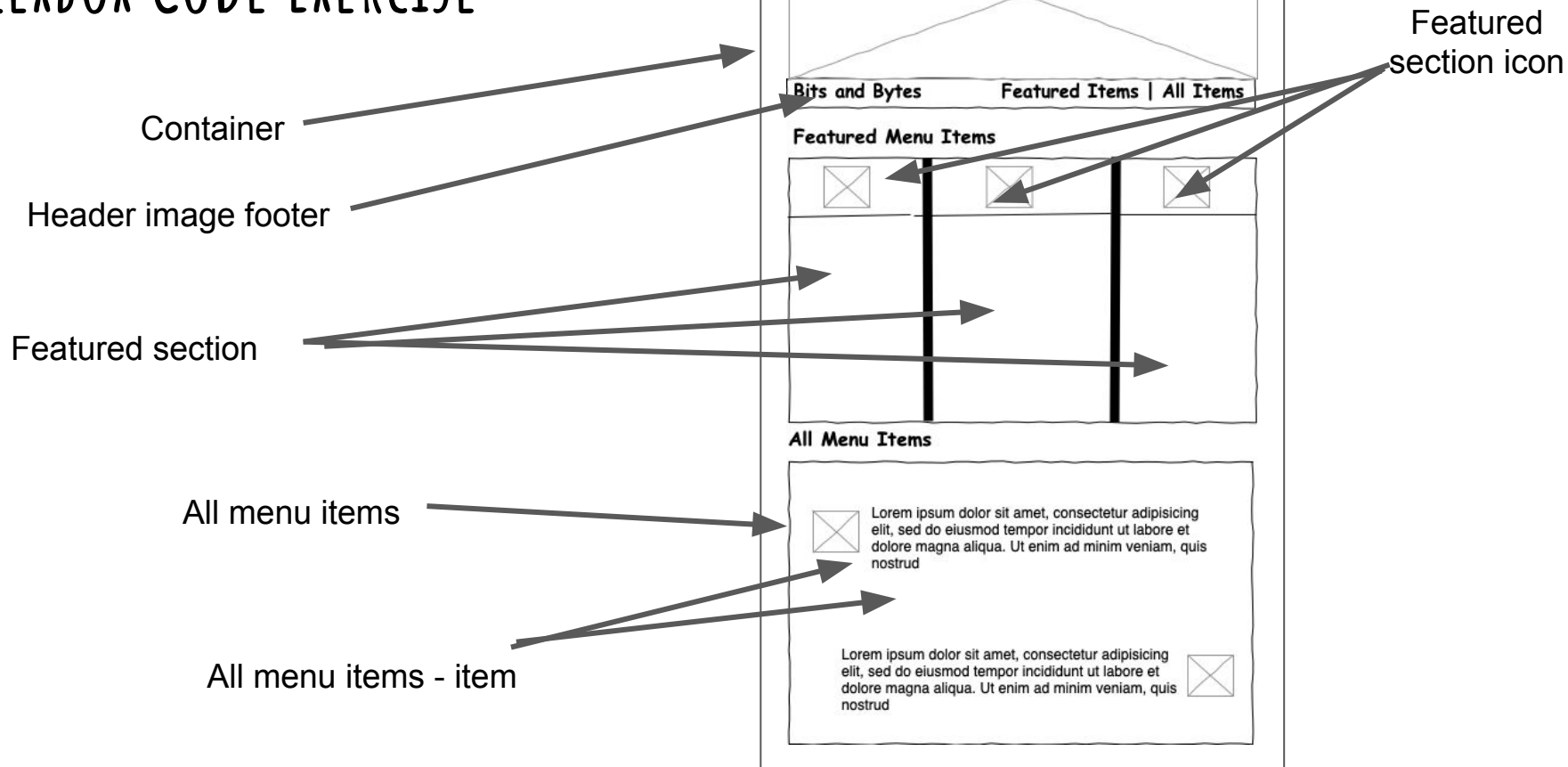
Container

Header image footer

Featured section

All menu items

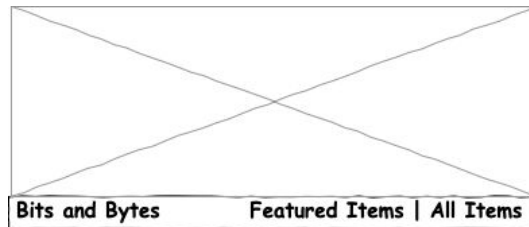All menu items - item

Featured section icon

Bits and Bytes   Featured Items | All Items

Featured Menu Items

All Menu Items

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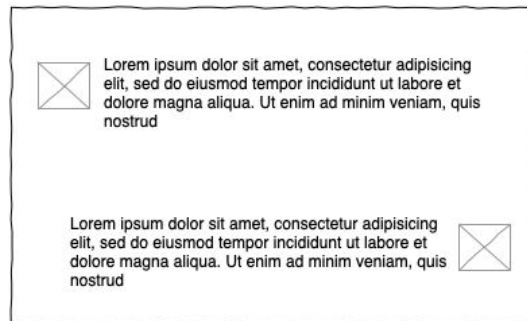
Flexbox Code Exercise

- Specify Flexbox container:
  - `display: flex;`

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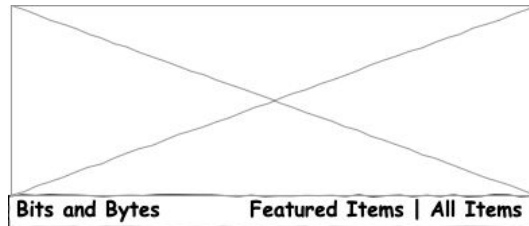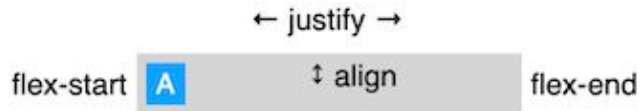
- **Default `flex-direction` is row**

Bits and Bytes   Featured Items | All Items
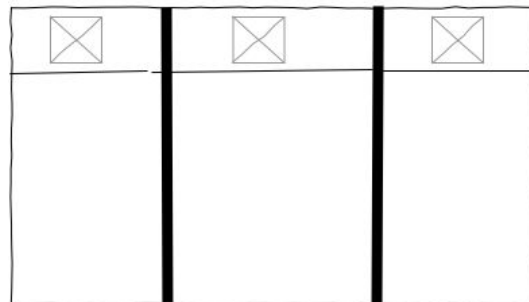
Featured Menu Items

All Menu Items

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Flexbox Code Exercise

- Use **`align-items`** for vertical alignment

- Use **`justify-content`** for horizontal alignment

← justify →

flex-start   ↕ align   flex-end

Bits and Bytes   Featured Items | All Items

Featured Menu Items

All Menu Items

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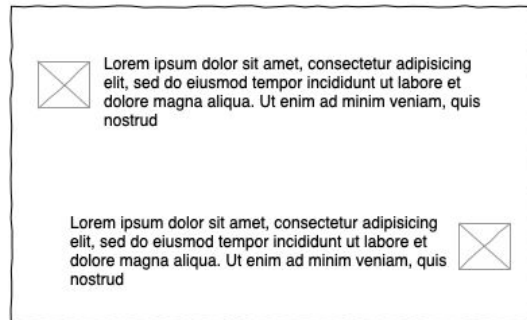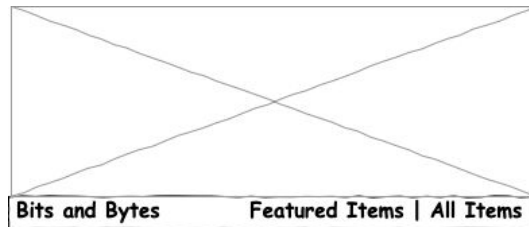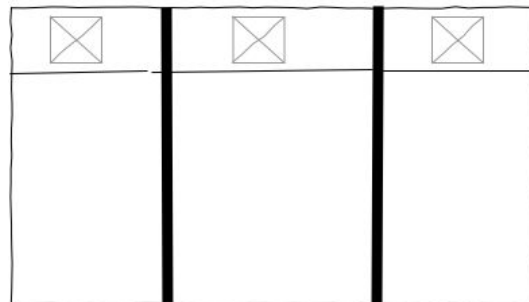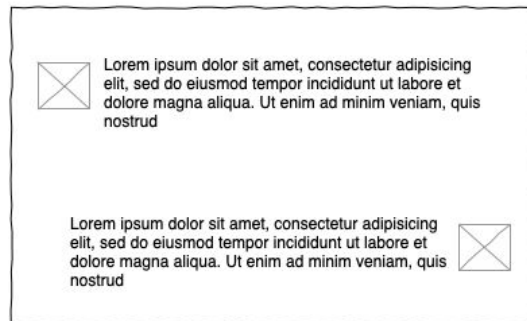
Flexbox Code Exercise

- **flex-basis**
    - **Size before** being put into flex container
    - Can limit with `min-width/max-width`
    - Ratio to other items when shrinking or growing can be specified with `flex-shrink` and `flex-grow`

- **order**
    - Can specify **flex-item order** with numbers in this property

- **Row-reverse**
    - can be specified as `flex-direction`

Bits and Bytes   Featured Items | All Items

Featured Menu Items

All Menu Items

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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?

Bits and Bytes   Featured Items | All Items

Featured Menu Items

All Menu Items

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