



_nology

TALENT IN **TECH**NICOLOUR

Flexbox

Aims of the session

- What is Flexbox and how can we use it?

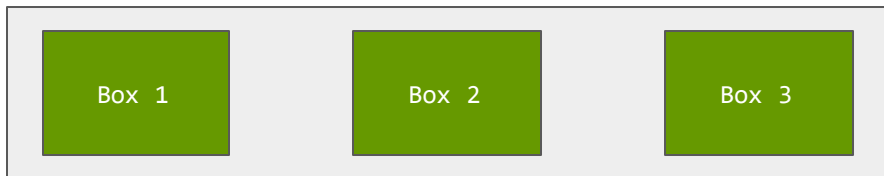
Why?

- Flexbox gives us an easy, more reliable way of designing the layout of your webpage.
- With less faff, not having to use position (relative/absolute etc.), flexbox is really time efficient for creating responsive layouts.



CSS Flexbox

- Uni directional layout model
- Horizontal or vertical
- Makes building responsive layouts easier
- Use flexbox to help solve alignment, scale or ordering issues in one dimension



`flex-direction: row;`



`flex-direction: column;`

CSS Flexbox options

CSS property	Options	Description
display	flex	Sets the container to use flexbox layout
flex-direction	row row-reverse column column-reverse	Direction to list items → ← ↓ ↑
flex-wrap	Nowrap wrap wrap-reverse	If and how to wrap content items
justify-content	flex-start flex-end center space-between space-around space-evenly	How to distribute the items in the container
align-items	stretch flex-start flex-end center	How to align the content items

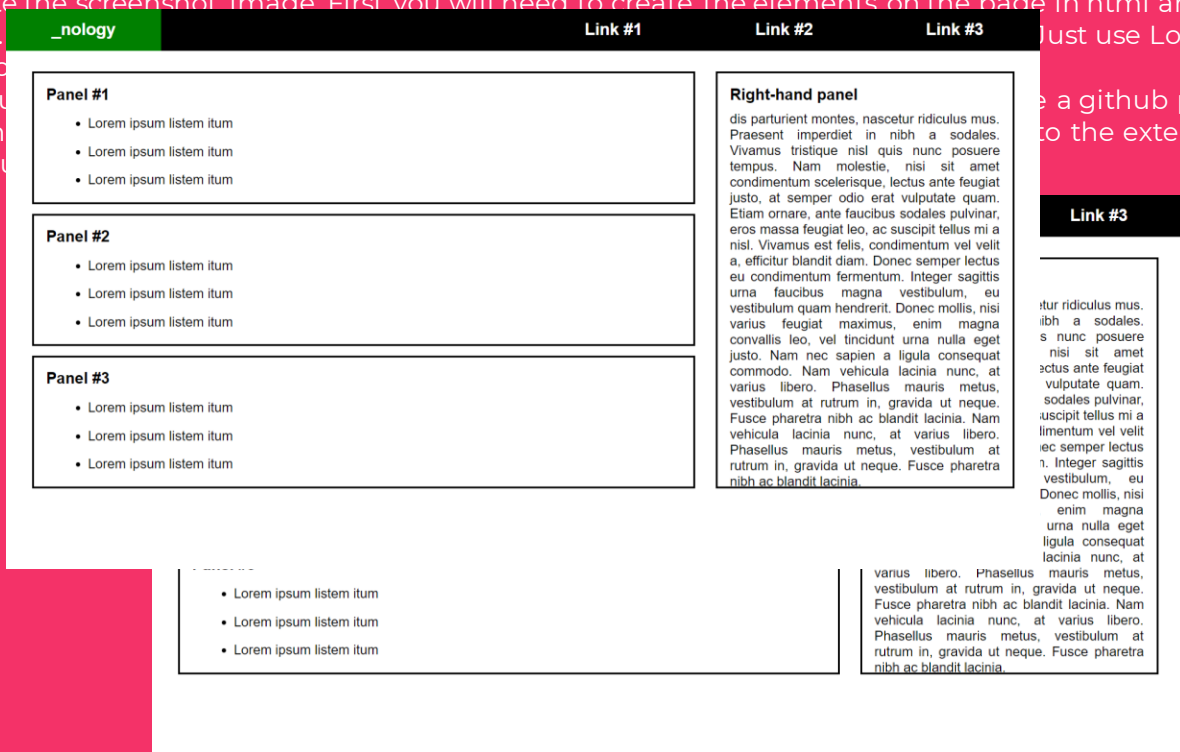
Resources

- https://developer.mozilla.org/en-US/docs/Web/CSS/CSS_Flexible_Box_Layout/Basic_Concepts_of_Flexbox
- <https://css-tricks.com/almanac/properties/j/justify-content/>
- <https://flexboxfroggy.com/>
- <https://medium.com/javascript-in-plain-english/5-fun-games-to-learn-css-concepts-34fdbdd0d00a>



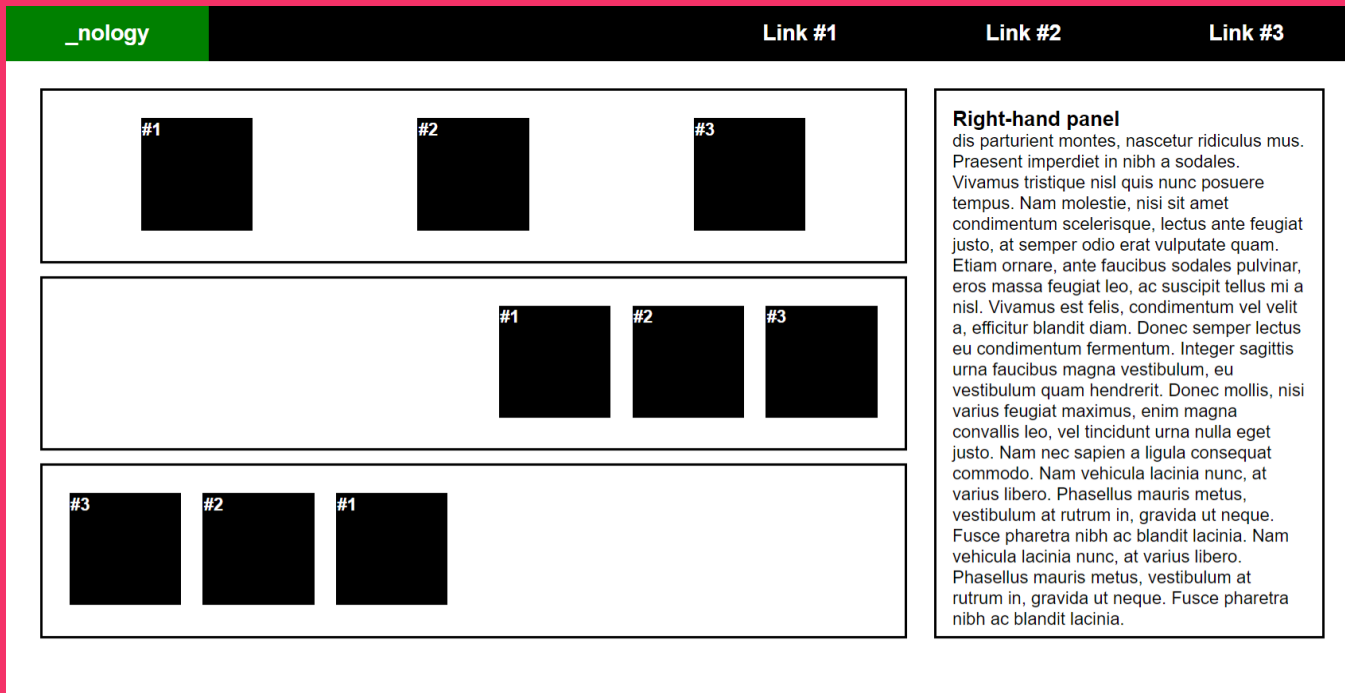
Challenge #1

- Emulate the screenshot image. First you will need to create the elements on the page in html and css before using flexbox. Use the placeholder text and use Lorem Ipsum for the text.
- Link your code to a github pages link from this repo and add a link to the extension challenge. No rush! Quick!



Challenge #1 Extension

- Build on the code you've already been working on for the previous challenge, to emulate the following screenshot.



Challenge #2

Go back to your Web Fundamentals Palace website we were working on for html and css, and use flex to emulate the following layout.

1. Position the king and queen, the children, and Susan using Flexbox to look like main (screenshot here).

2. Extension: add in the lines between the family tree using span tags.

