Frontend Cheatsheet

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1 CSS

1.1 Postion

> **Definition**: Determines how an HTML element is positioned within its containing element or overall website.
> - **Static** - Normal
> - **Relative** - Shifts the element from its normal position
> - **Fixed** - Fixed even when the page is scrolled
> - **Absolute** - Element moves independently of other elements
> - **Sticky** - Element is normal but becomes fixed when it reaches a certain point

1.2 Display

> **Definition**: Determines how the element behaves in terms of layout and visibility within the document. Controls how the elements are displayed.
> - **Block** - Takes up the full width available
> - **Inline** - Takes up only as much width as necessary
> - **Inline-block** - Combines the two
> - **None** - Element is not displayed
> - **Flex** - Allows for flexible box model
> - **Grid** - Allows for grid layout

> **Warning**: Use FlexBox Froggy to learn how to use Flex.

2   Tailwind CSS

2.1   Custom Styles

> **Definition**:
>   1. **Square Brackets** - Used to apply custom styles to an element (good for single use).
>   2. **Tailwind Config** - Used to add custom styles to the tailwind config file (good for global use).

2.2   Clean Code

> **Definition**:
>   - Break your layouts into specific components.
>   - Use directives (ie. @) for longer list of classes.
>   - Base: Applied globally.
>   - Components: Applied to specific components.
>   - Utilities: Applied to specific elements.
>   - Use component libraries for buttons, cards, etc.

3   GSAP (GreenSock Animation Platform)

> **Definition**: Animation library that allows for complex animations

4   Framer Motion

> **Definition**: Animation library that allows for simple animations

5   3JS

> **Definition**: Animation library that allows for 3D animations