

salesforce

TASKRAY

The CSS We All Need To Know

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WELCOME TO

DREAMFORCE



We can all get better at CSS

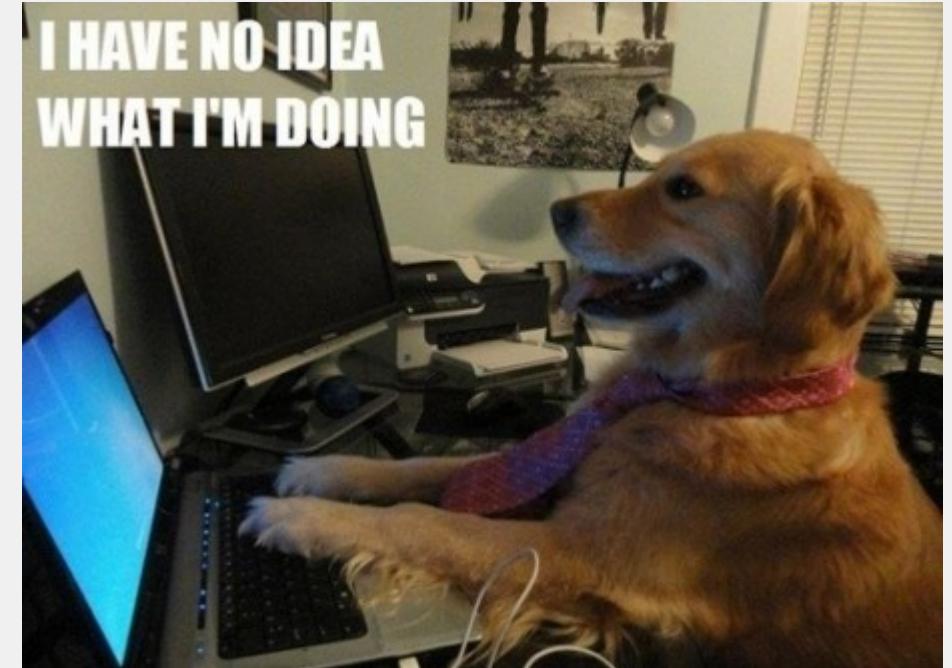
Everyone needs to use it, and it's actually pretty good at its job

Salesforce developers use CSS everywhere

- LWC, Aura, Visualforce
- Communities templates
- Custom Email Templates
- Random internal jobs

Everywhere else in your dev life

- Mastering CSS in Salesforce applies directly to development work outside of Salesforce



Agenda

Subjects (and demos)

- Selectors
- Specificity
- position: relative vs absolute
- calc(magic)
- Floats & clears
- Flexbox
- Animations



CSS

Selectors

#,.,>,*,....



Basic Selectors

- Element tags: p,div,a etc

Grouping selectors

- Combining multiple selectors
- :first-child, :last-child
- Direct Descendants

Demo:

<https://codepen.io/Mikename/pen/wvvPjeo?editors=1100#0>



Specificity

Why doesn't this rule apply!?



Specificity walkthrough

- <https://specifishity.com/>

Demo:

<https://codepen.io/Mikename/pen/GRROdyo?editors=1100>

The screenshot shows the Chrome DevTools Styles tab with the following CSS rules listed:

```
element.style {  
}  
div.card-container {  
    max-width: 60rem;  
    background-color: pink;  
}  
.card-container {  
    background-color: white;  
    border: 1px solid gray;  
    border-radius: 0.25rem;  
    padding: 0.25rem;  
}  
div {  
    display: block;  
}  
Inherited from html  
html {  
    color: -internal-root-color;  
}
```

The first two rules are highlighted in red, indicating they have higher specificity than the user agent styles. The third rule is in green, indicating it has the lowest specificity.

Position

Absolutely confused

position: relative

- Helps you position an element on the top, right, left, bottom of a parent

position: absolute

- How does it interact with position: relative
- Allows elements not to take up space

Demo: <https://codepen.io/Mikename/pen/rNNYvvZ?editors=1100>



Calc

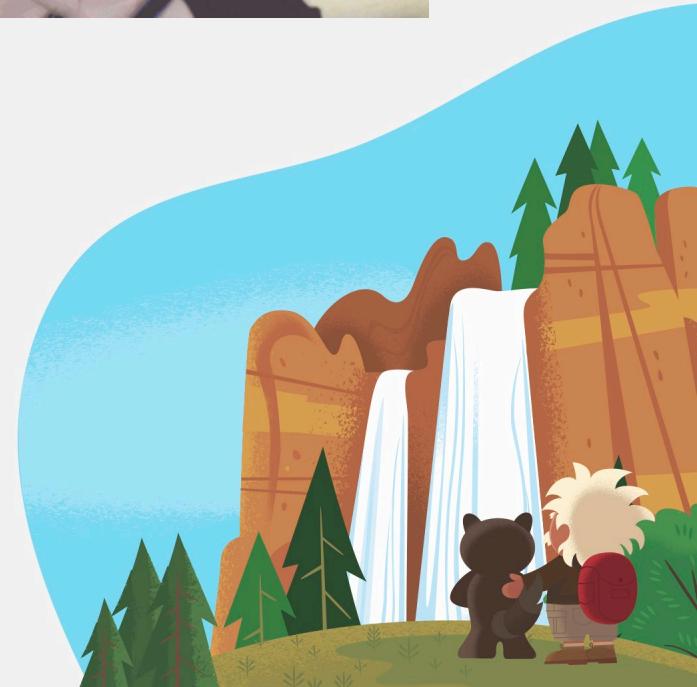
Basic math for your values!

+ , - , / , *

- left: calc(50% - 1rem)
- Whatever you want! (animation stuff is cool)



Demo: <https://codepen.io/Mikename/pen/gOOXzZL?editors=1100>



Floats



float: left, float:right

- Aligns a div within a parent

Clear

- The thing you usually forget
- Apply clear:both when you want a new line
- clear: left,right if you want a column of floats

You probably don't want to use this for new stuff

Demo:

<https://codepen.io/Mikename/pen/rNNYKWE?editors=1100>



Flexbox



Supported by all browsers!

Horizontally align multiple elements

- center, space-between, space-around
- Solves many of your floats and table problems from the past

Vertical alignment

Absolute Centering

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

Old Demo: <https://codepen.io/Mikename/pen/BaamVpY?editors=1100>

Flexbox Demo: <https://codepen.io/Mikename/pen/jOOaKpJ?editors=1100>

Animations

Static Transforms

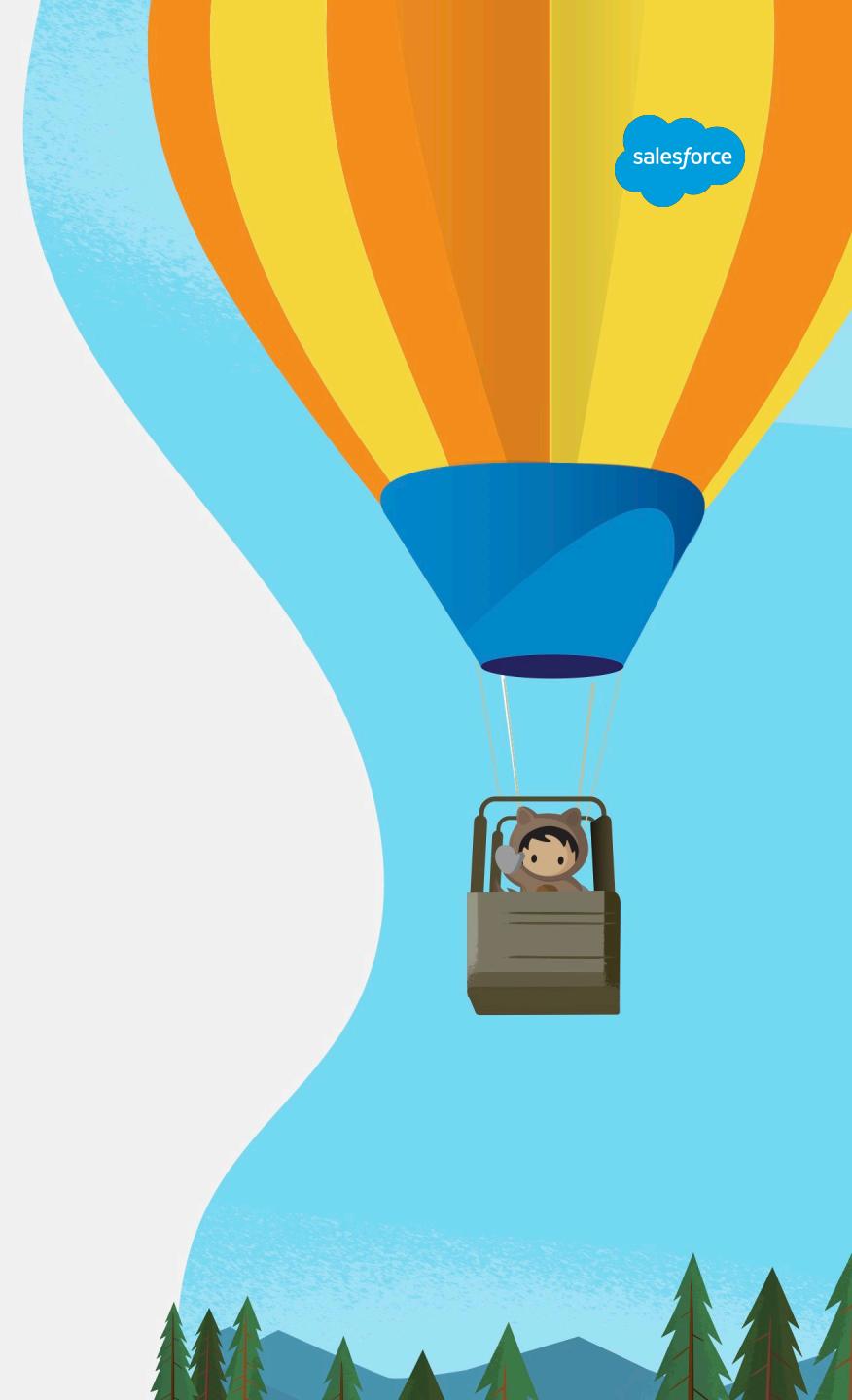
- Can help you position elements

Animation keyframes

- Define a series of frames for an animation with css rules that transform an element

Generally faster than Javascript animation

Demo: <https://codepen.io/Mikename/pen/abbVjbp?editors=1100>



Wrap Up

Where do I use all this stuff?



Everywhere

- Here's a cool thing I made
- Your career

A screenshot of a Salesforce interface showing a list of tasks. At the top, a message from a user named Rob says: "Hi Rob. Today is Saturday, October 19th. Have a productive day!" Below this is a dropdown menu for "Estimated End Date". To the right are "Expand" and "Collapse" buttons. The task list is divided into sections: "Overdue" (red background), "Today" (light blue background), and "Tomorrow", "Next Week", "Later", and "Unscheduled" (light blue background). Each task row includes a small profile picture, the task name, details, a due date field (set to 10/19/2019), and a status indicator (e.g., "Started", "Prioritized").

Task	Due Date	Status
Review Success Metrics Flatirons Industries - 50 Licenses: Customer Onboarding Phase 3	10/19/2019	Overdue
Review Plan & Portfolio with Client Sarah Sanders: Client Onboarding Financial Plan Creation	10/19/2019	Started
Schedule Implementation Meeting Sarah Sanders: Client Onboarding Financial Plan Creation	10/19/2019	Prioritized
> Tomorrow		
> Next Week		
> Later		
> Unscheduled		

Q&A

&

thank
you

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