



Content Management

CSS Animations

How does it work and what can we do with it?

Vidhi

Adi

MA Web Design and Content Planning 22/23

University of Greenwich



CSS animations

CSS animations are a powerful tool for web developers to enhance the visual experience of a website.

They allow us to add dynamic, eye-catching effects to our website, making it more engaging and interactive.

They are a big help to make websites more attractive overall.



What are CSS Animations?

CSS Animations are a way to **animate** elements on a web page using only CSS code.

They work **by defining keyframes**, which specify the styles for the element at different points in the animation timeline.

By using transitions between these keyframes, you can create smooth and fluid animations.



How do they work?

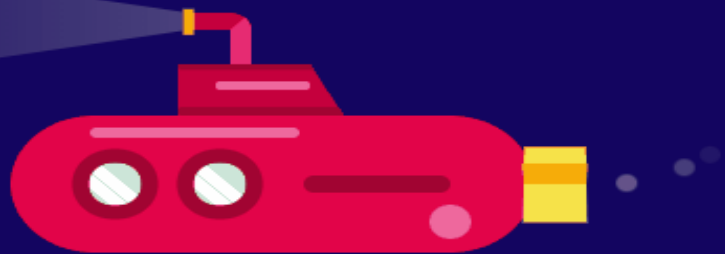
To create a **CSS animation**, we need to define 2 things:

- 1) **Keyframes** - It specifies the style for the element at different points in the animation timeline.
- 2) **Animation property** - It sets the animation's behaviour, such as duration, easing and iteration count.



Live Demonstration

by Adi



CSS Properties



Property	Description
@keyframes	Specifies animation code
animation	A short-hand property for setting all the animation properties
animation-name	Specifies the name of the @keyframe animation
animation-delay	Specifies a delay for the start of an animation
animation-direction	Specifies whether an animation should be played forwards, backwards or in alternate cycles
animation-duration	Specifies how long time an animation should take to complete one cycle
animation-iteration-count	Specifies the number of times an animation should be played
animation-play-state	Specifies whether the animation is running or paused
animation-timing-function	Specifies the speed curve of the animation



How to use them?

CSS animations can be used in a variety of ways to enhance your website. Below are some examples of common use cases:

- 1) Adding a hover effect to button or links.
- 2) Creating a loading spinner or progress bar.
- 3) Animating elements as they enter or exit the viewport.
- 4) Creating dynamic, eye-catching transitions between pages.



Browser Support

The only browser not supporting CSS Animations currently is **Opera Mini**.

Also, @keyframes is not supported in an inline or scoped stylesheet in **Firefox**.



To conclude...

CSS animations are a simple and effective way to add dynamic, eye-catching effects to our websites.

By defining animations, we can create smooth and fluid animations that enhance the user experience.

Start experimenting with CSS animations today, and see what magic you create~



Thank you.

Any questions?