# Web Programming with Python and JavaScript

Lecture 6: Front Ends

July 17, 2018

# Single-Page Applications

# HTML5 History API

/first

/second

/first

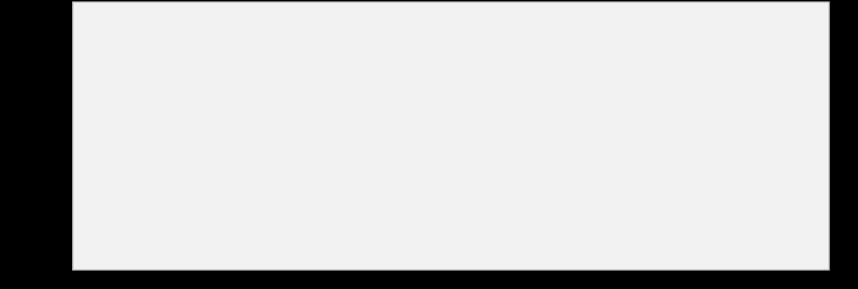
/third /second /first

/second

/first

### HTML5 History

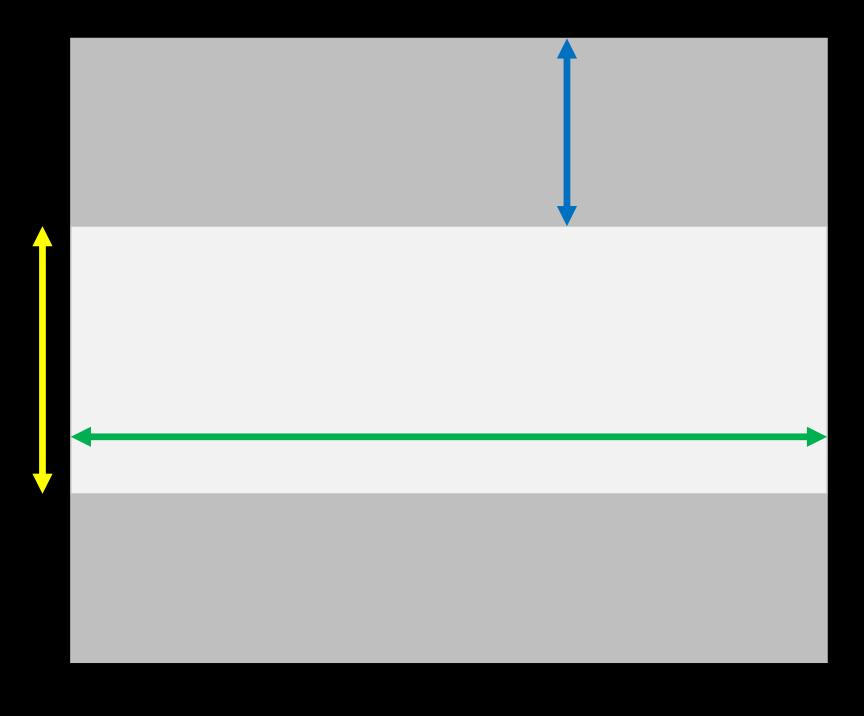
- pushState
- onpopstate



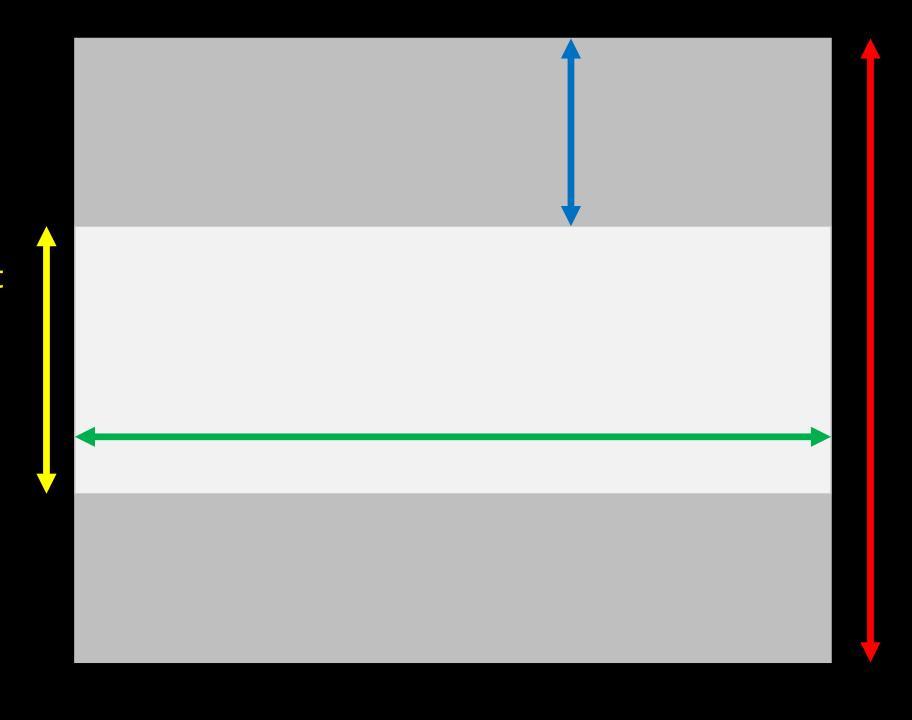
window.innerHeight Window.innerWidth

window.innerHeight
Window.innerWidth

window.innerHeight
Window.innerWidth
window.scrollY



window.innerHeight
Window.innerWidth
window.scrollY
document.body.
 offsetHeight



## JavaScript Templates

# **CSS Animation**

#### **CSS Animation Properties**

- animation-name
- animation-duration
- animation-iteration-count
- animation-fill-mode
- animation-play-state
- •

# SVG