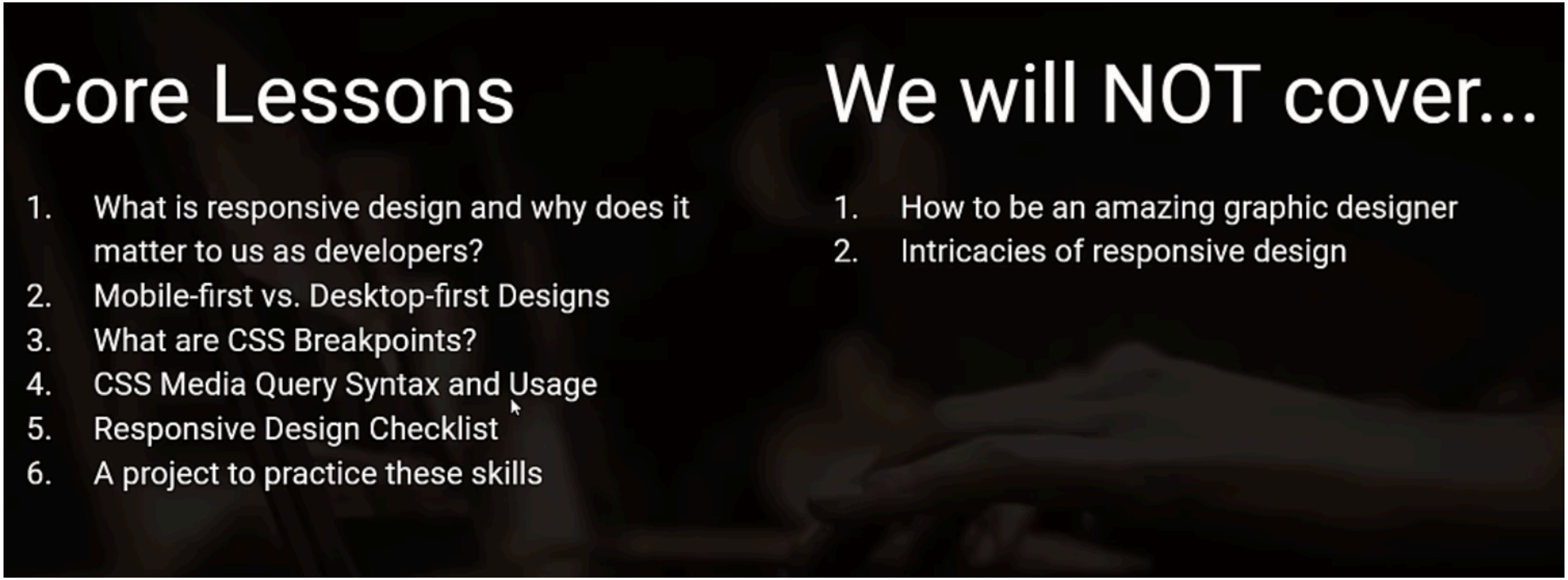
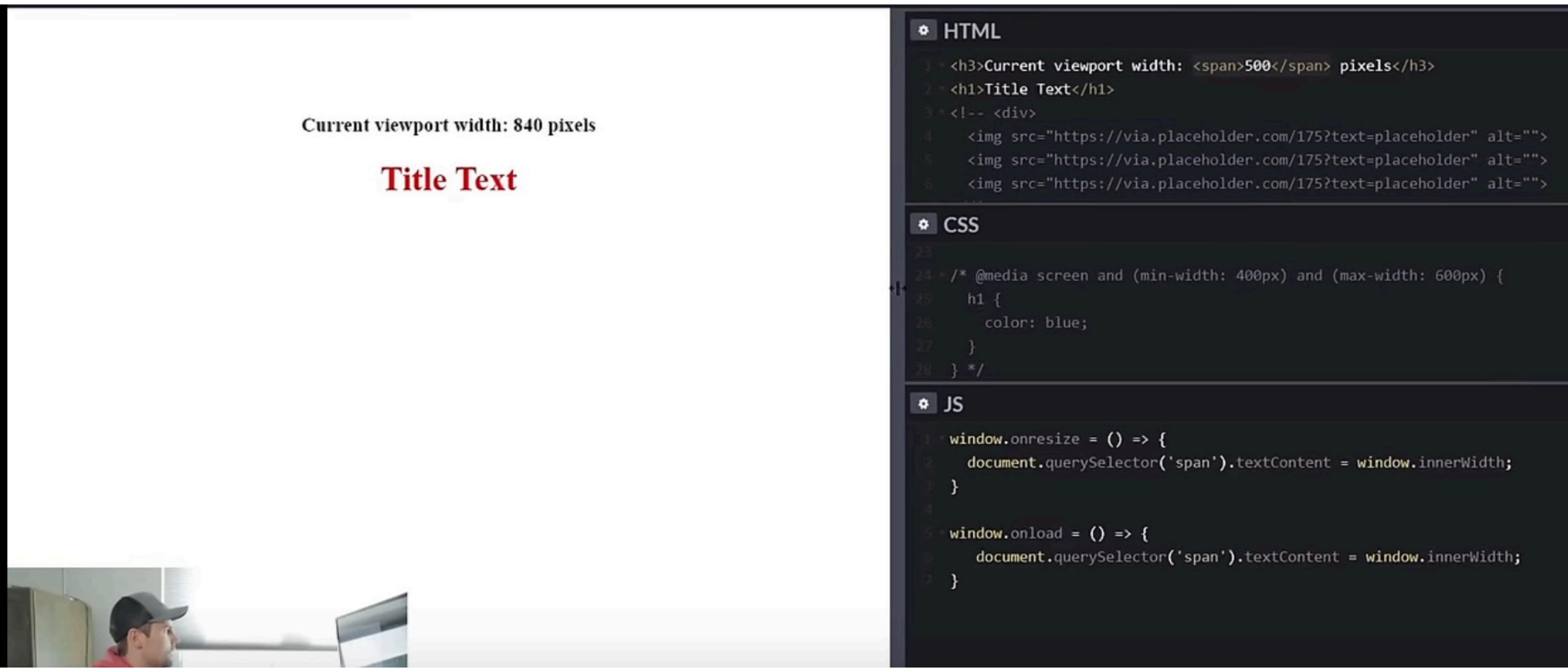


Core Lessons

1. What is responsive design and why does it matter to us as developers?
2. Mobile-first vs. Desktop-first Designs
3. What are CSS Breakpoints?
4. CSS Media Query Syntax and Usage
5. Responsive Design Checklist
6. A project to practice these skills

We will NOT cover...

1. How to be an amazing graphic designer
2. Intricacies of responsive design



Current viewport width: 840 pixels

Title Text

HTML

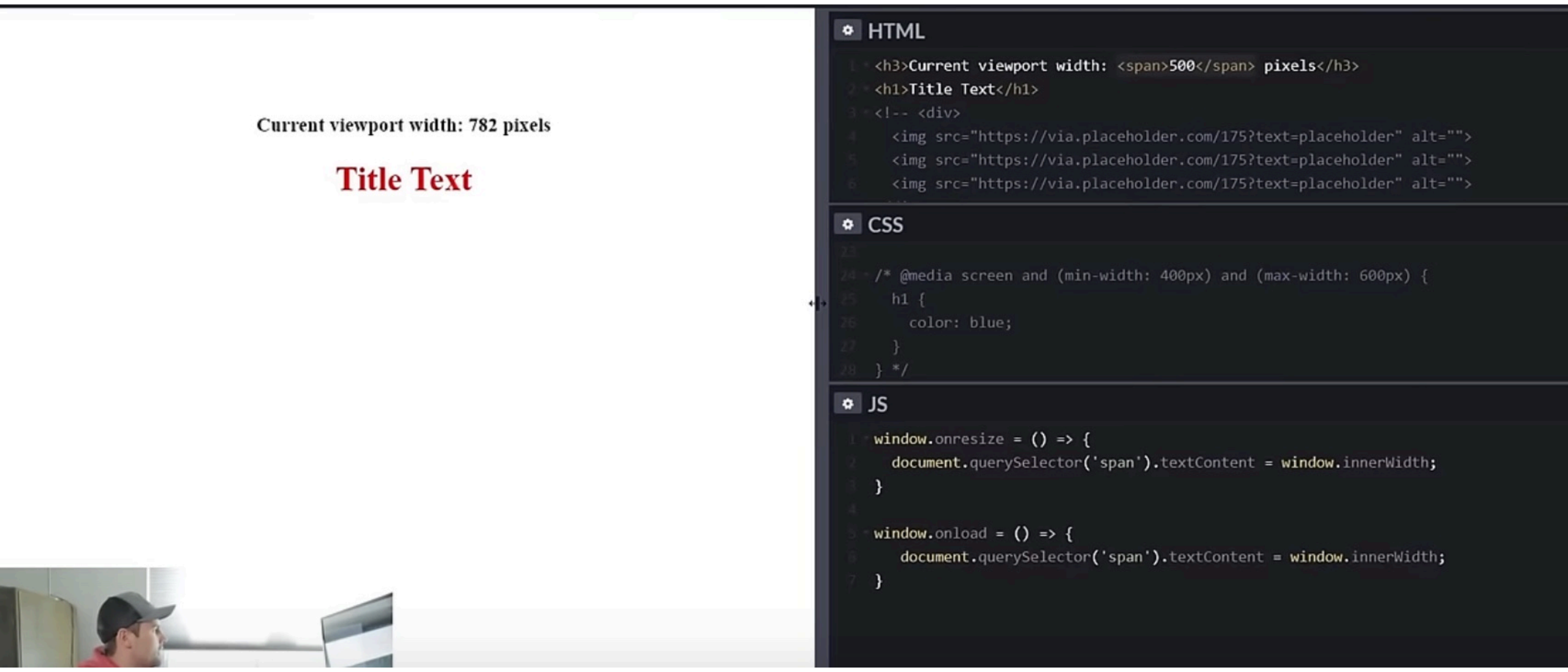
```html
<h3>Current viewport width: <span>500</span> pixels</h3>
<h1>Title Text</h1>
<!-- <div>
  <img src="https://via.placeholder.com/175?text=placeholder" alt="">
  <img src="https://via.placeholder.com/175?text=placeholder" alt="">
  <img src="https://via.placeholder.com/175?text=placeholder" alt="">
```

CSS

```css

/* @media screen and (min-width: 400px) and (max-width: 600px) {
  h1 {
    color: blue;
  }
} */
```

JS

```javascript
window.onresize = () => {
  document.querySelector('span').textContent = window.innerWidth;
}

window.onload = () => {
   document.querySelector('span').textContent = window.innerWidth;
}
```



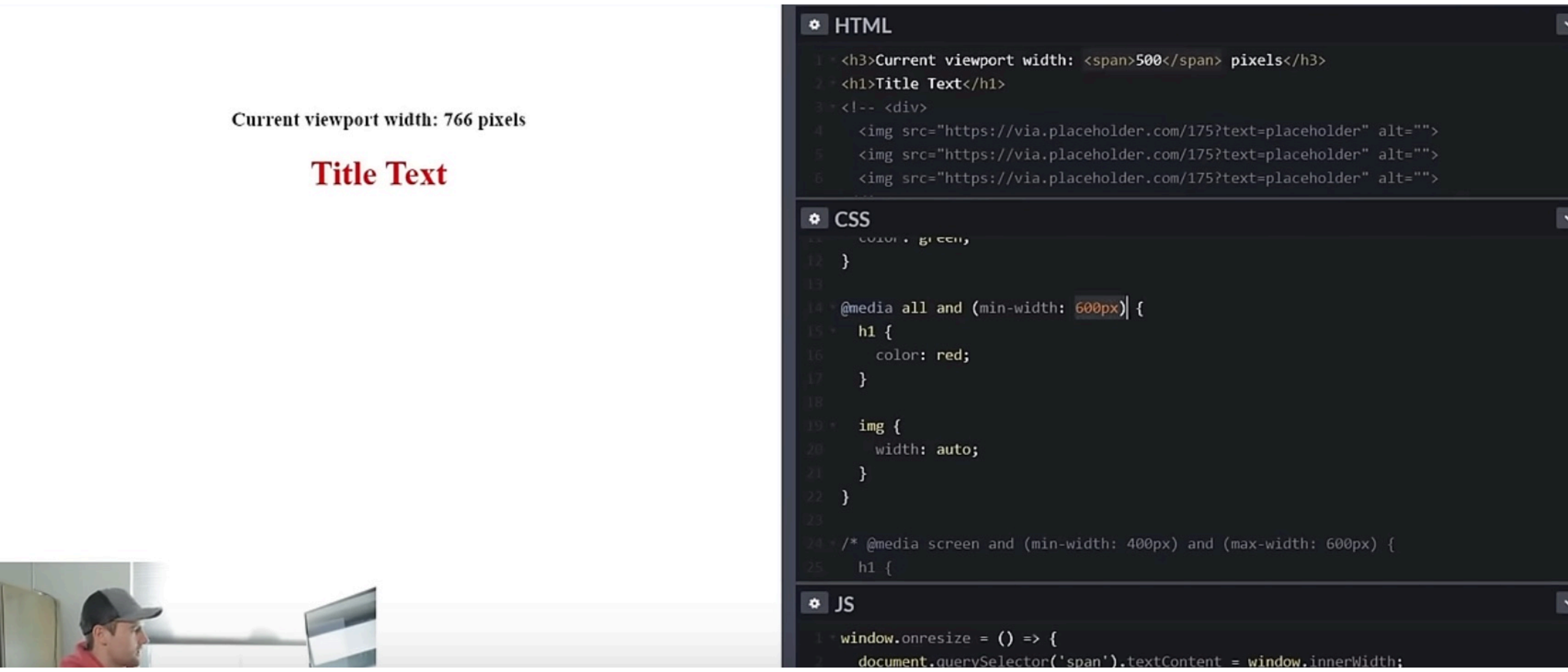
Current viewport width: 782 pixels

Title Text

```html
<h3>Current viewport width: <span>500</span> pixels</h3>
<h1>Title Text</h1>
<!-- <div>
  <img src="https://via.placeholder.com/175?text=placeholder" alt="">
  <img src="https://via.placeholder.com/175?text=placeholder" alt="">
  <img src="https://via.placeholder.com/175?text=placeholder" alt="">
```

```css

/* @media screen and (min-width: 400px) and (max-width: 600px) {
  h1 {
    color: blue;
  }
} */
```

```javascript
window.onresize = () => {
  document.querySelector('span').textContent = window.innerWidth;
}

window.onload = () => {
   document.querySelector('span').textContent = window.innerWidth;
}
```



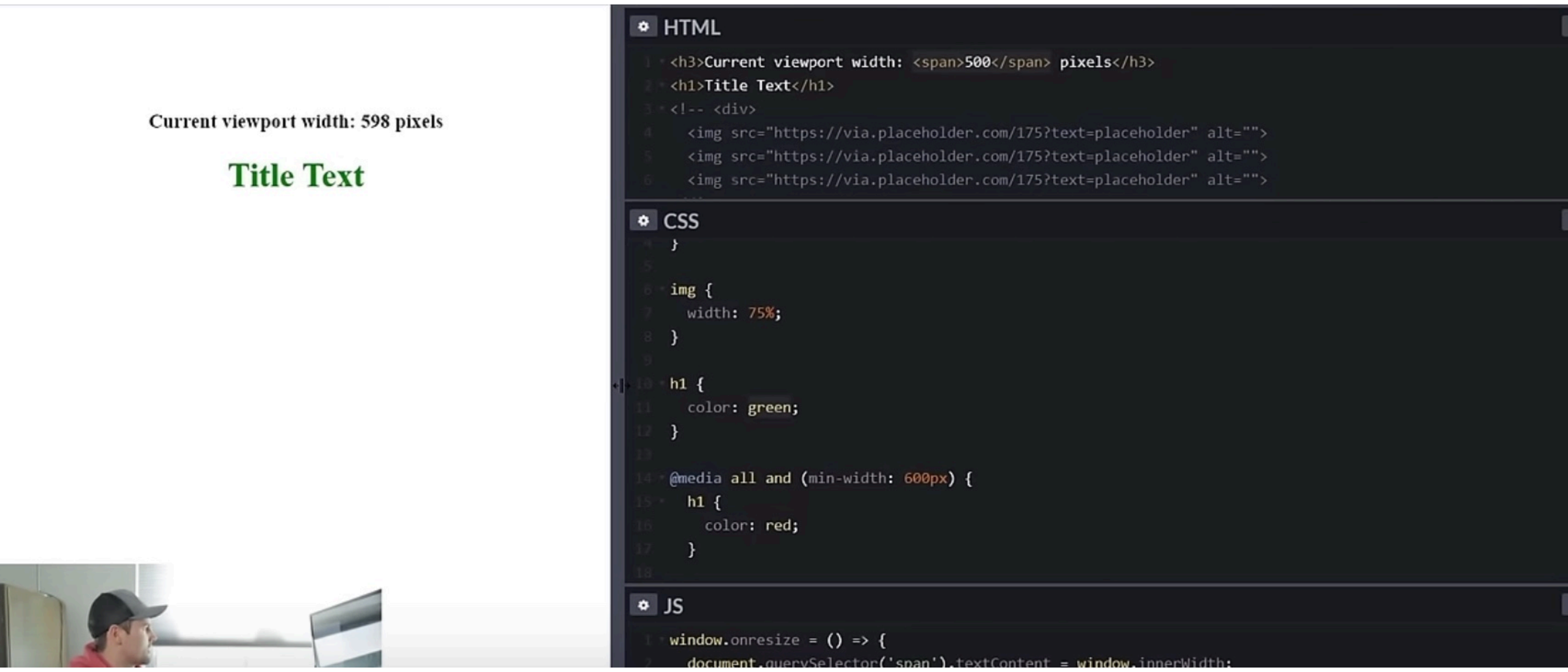
Current viewport width: 766 pixels

Title Text

```
<h3>Current viewport width: <span>500</span> pixels</h3>
<h1>Title Text</h1>
<!-- <div>
  <img src="https://via.placeholder.com/175?text=placeholder" alt="">
  <img src="https://via.placeholder.com/175?text=placeholder" alt="">
  <img src="https://via.placeholder.com/175?text=placeholder" alt="">
```

```
  color: green;
}

@media all and (min-width: 600px) {
  h1 {
    color: red;
  }

  img {
    width: auto;
  }
}

/* @media screen and (min-width: 400px) and (max-width: 600px) {
  h1 {
```

```
window.onresize = () => {
  document.querySelector('span').textContent = window.innerWidth;
```



Current viewport width: 598 pixels

Title Text

HTML

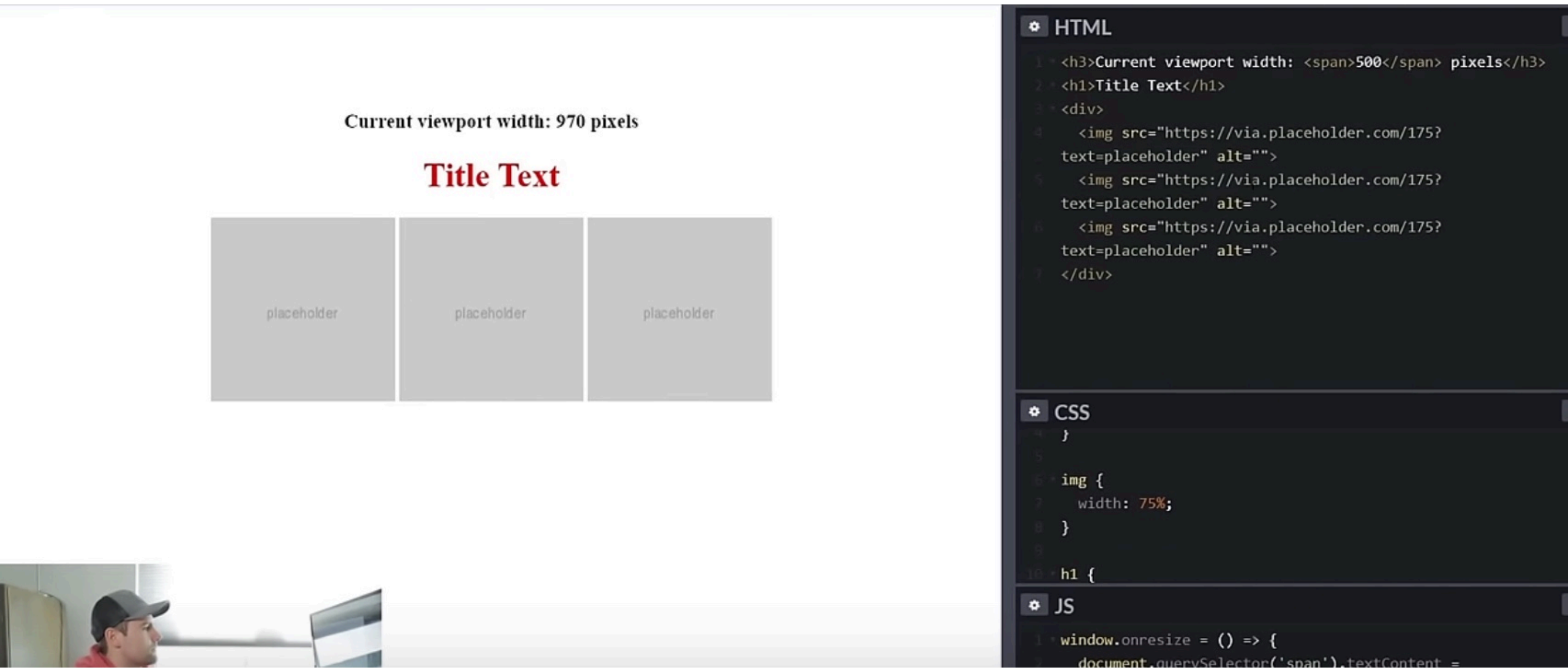
```html
<h3>Current viewport width: <span>500</span> pixels</h3>
<h1>Title Text</h1>
<!-- <div>
  <img src="https://via.placeholder.com/175?text=placeholder" alt="">
  <img src="https://via.placeholder.com/175?text=placeholder" alt="">
  <img src="https://via.placeholder.com/175?text=placeholder" alt="">
```

CSS

```css
}

img {
  width: 75%;
}

h1 {
  color: green;
}

@media all and (min-width: 600px) {
  h1 {
    color: red;
  }

```

JS

```js
window.onresize = () => {
  document.querySelector('span').textContent = window.innerWidth;
```



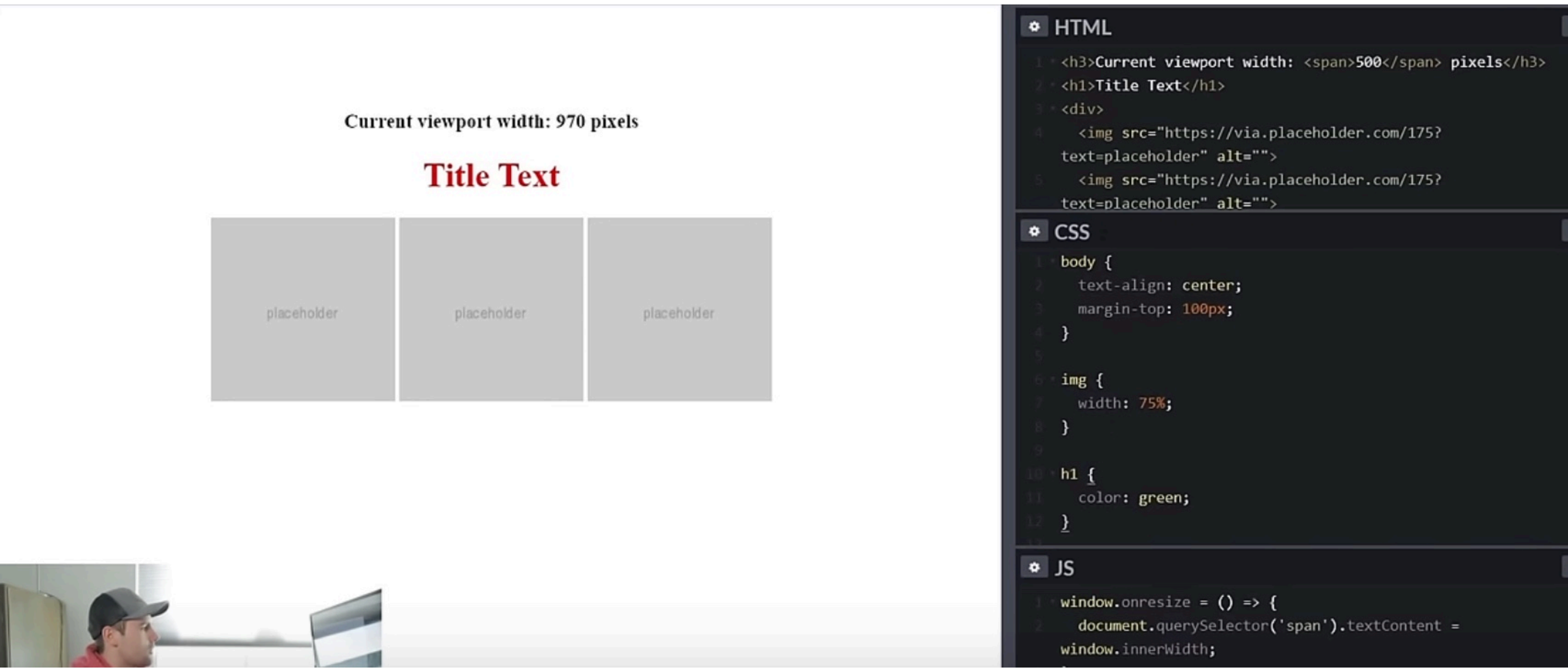
Current viewport width: 970 pixels

Title Text

```html
<h3>Current viewport width: <span>500</span> pixels</h3>
<h1>Title Text</h1>
<div>
  <img src="https://via.placeholder.com/175?
text=placeholder" alt="">
  <img src="https://via.placeholder.com/175?
text=placeholder" alt="">
  <img src="https://via.placeholder.com/175?
text=placeholder" alt="">
</div>
```

```css
}

img {
  width: 75%;
}

h1 {
```

```js
window.onresize = () => {
  document.querySelector('span').textContent =
```



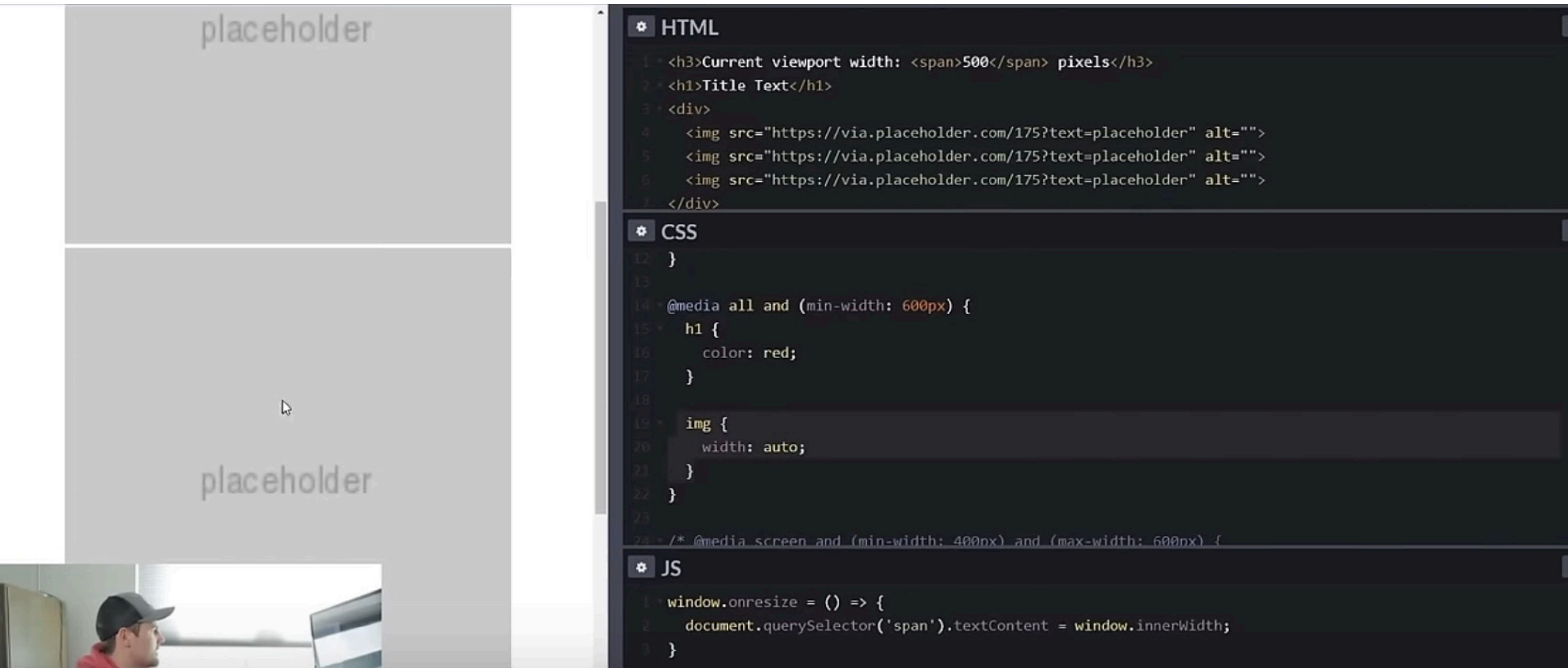
Current viewport width: 970 pixels

Title Text

```html
<h3>Current viewport width: <span>500</span> pixels</h3>
<h1>Title Text</h1>
<div>
  <img src="https://via.placeholder.com/175?
text=placeholder" alt="">
  <img src="https://via.placeholder.com/175?
text=placeholder" alt="">
```

```css
body {
  text-align: center;
  margin-top: 100px;
}

img {
  width: 75%;
}

h1 {
  color: green;
}
```

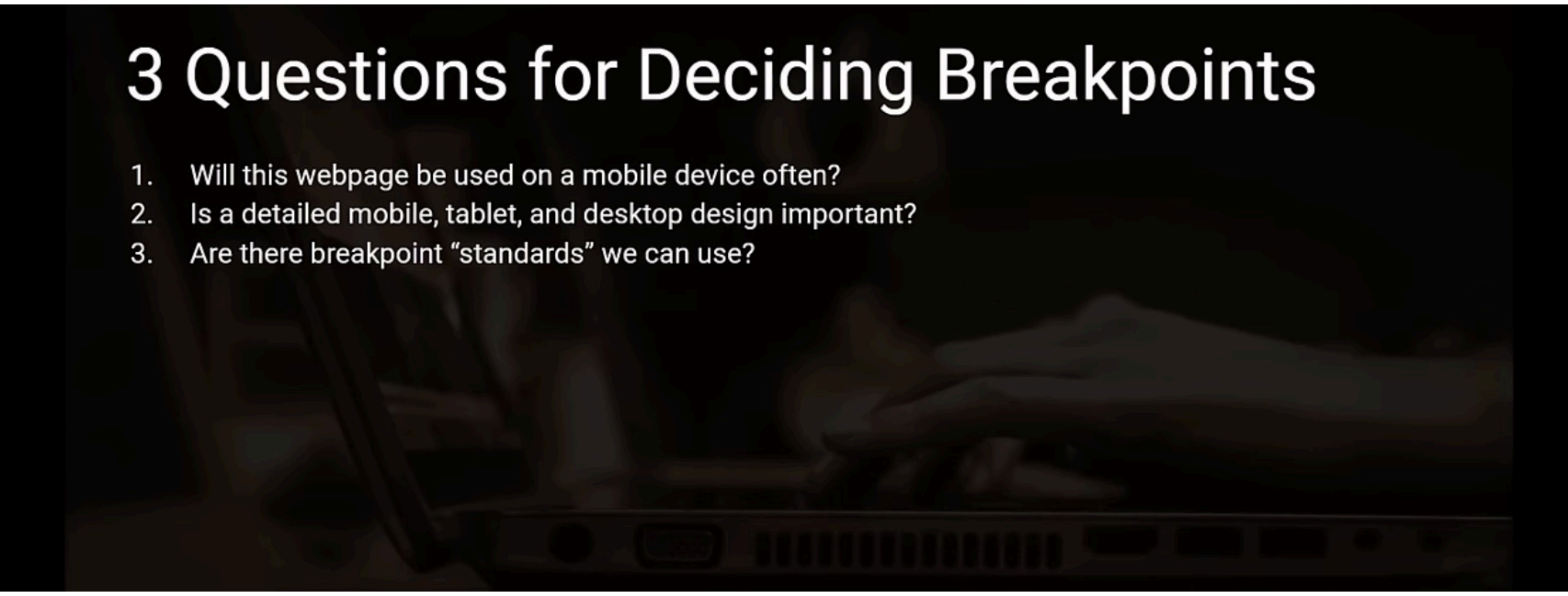
```js
window.onresize = () => {
  document.querySelector('span').textContent =
window.innerWidth;
}
```



```html
<h3>Current viewport width: <span>500</span> pixels</h3>
<h1>Title Text</h1>
<div>
  <img src="https://via.placeholder.com/175?text=placeholder" alt="">
  <img src="https://via.placeholder.com/175?text=placeholder" alt="">
  <img src="https://via.placeholder.com/175?text=placeholder" alt="">
</div>
```

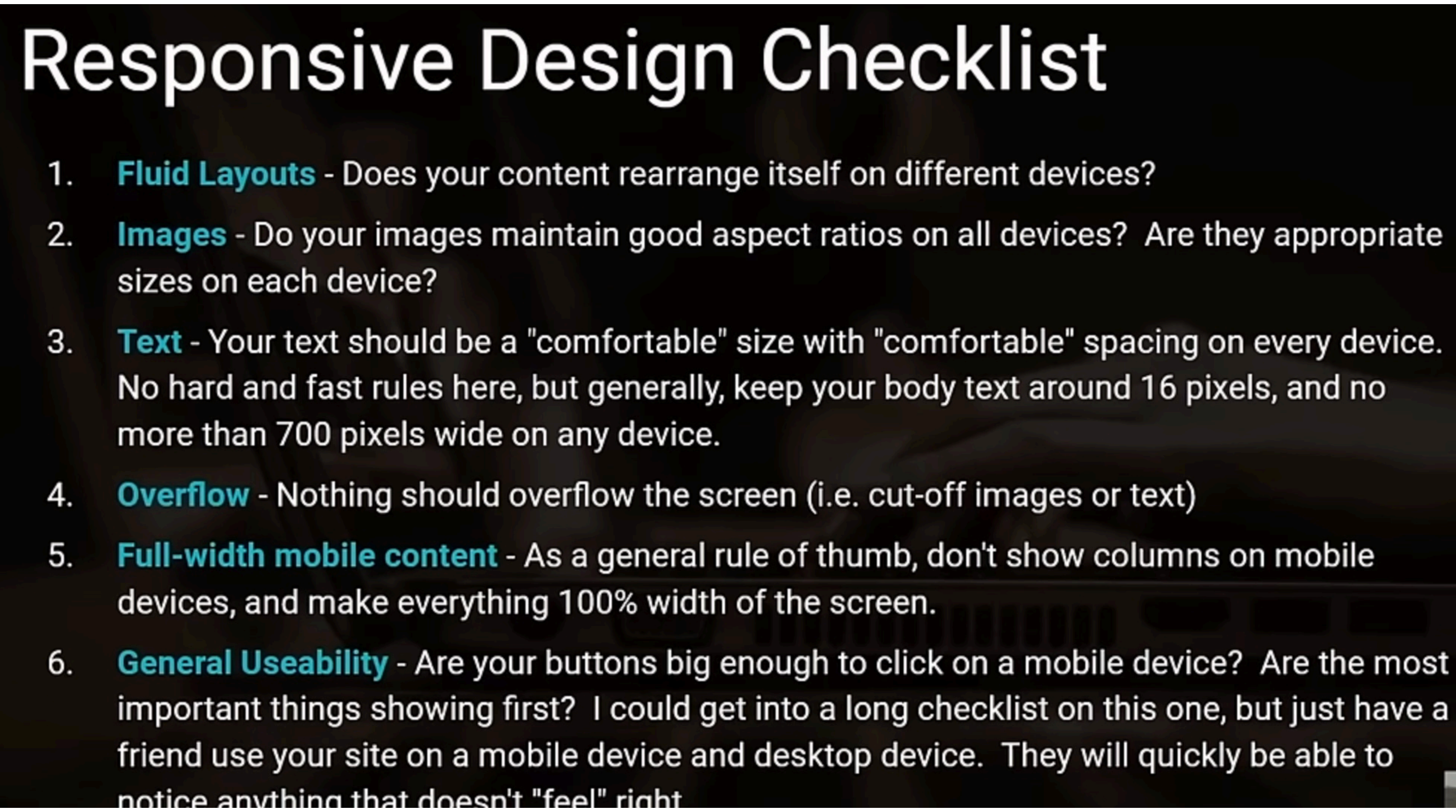
```css
}

@media all and (min-width: 600px) {
  h1 {
    color: red;
  }

  img {
    width: auto;
  }
}

/* @media screen and (min-width: 400px) and (max-width: 600px) {
```

```js
window.onresize = () => {
  document.querySelector('span').textContent = window.innerWidth;
}
```



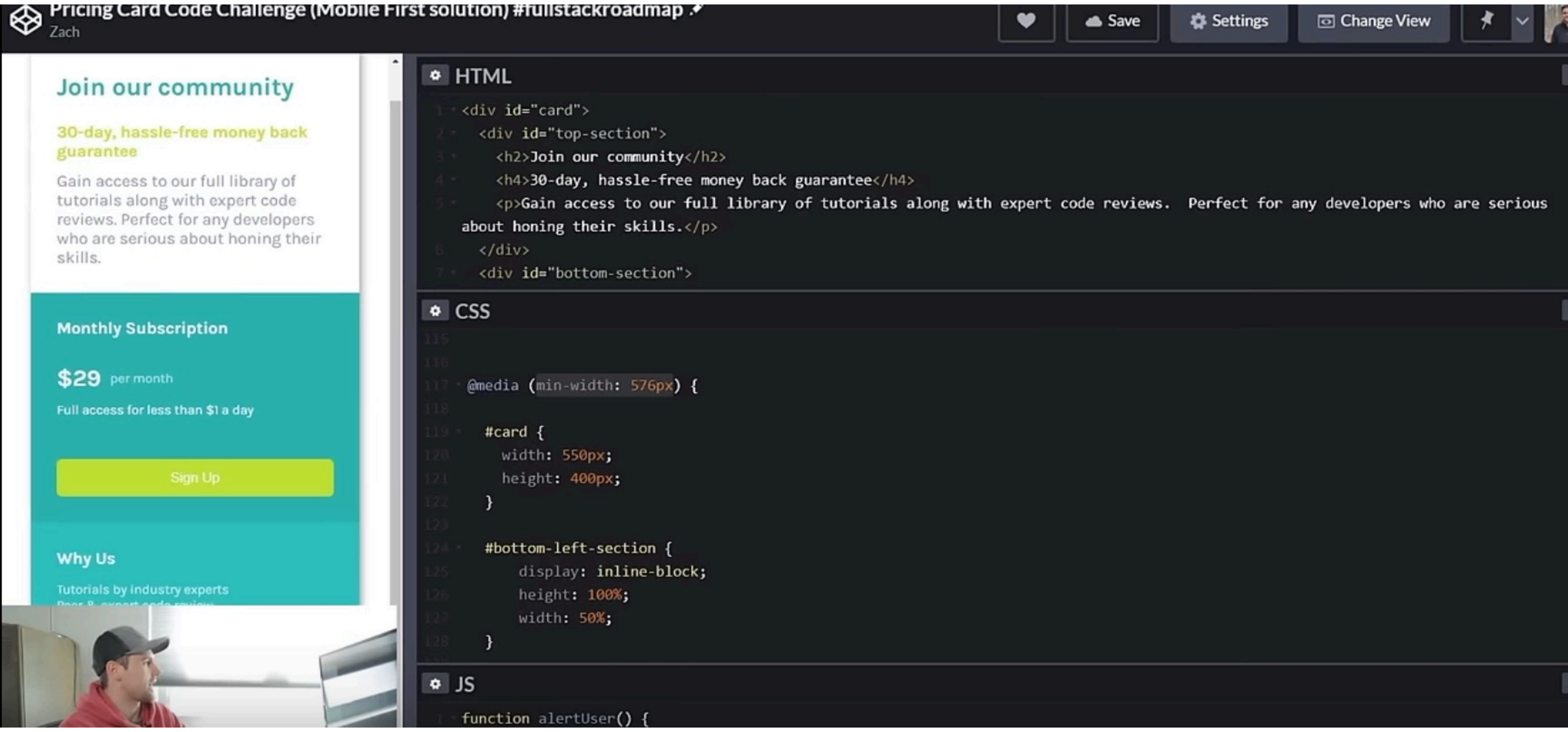
3 Questions for Deciding Breakpoints

1. Will this webpage be used on a mobile device often?
2. Is a detailed mobile, tablet, and desktop design important?
3. Are there breakpoint “standards” we can use?



Responsive Design Checklist

1. **Fluid Layouts** - Does your content rearrange itself on different devices?
2. **Images** - Do your images maintain good aspect ratios on all devices? Are they appropriate sizes on each device?
3. **Text** - Your text should be a "comfortable" size with "comfortable" spacing on every device. No hard and fast rules here, but generally, keep your body text around 16 pixels, and no more than 700 pixels wide on any device.
4. **Overflow** - Nothing should overflow the screen (i.e. cut-off images or text)
5. **Full-width mobile content** - As a general rule of thumb, don't show columns on mobile devices, and make everything 100% width of the screen.
6. **General Useability** - Are your buttons big enough to click on a mobile device? Are the most important things showing first? I could get into a long checklist on this one, but just have a friend use your site on a mobile device and desktop device. They will quickly be able to notice anything that doesn't "feel" right



Pricing Card Code Challenge (Mobile First solution) #fullstackroadmap

Zach

Join our community

30-day, hassle-free money back guarantee

Gain access to our full library of tutorials along with expert code reviews. Perfect for any developers who are serious about honing their skills.

Monthly Subscription

$29 per month

Full access for less than $1 a day

Sign Up

Why Us

Tutorials by industry experts

Peer & expert code review

```html
<div id="card">
  <div id="top-section">
    <h2>Join our community</h2>
    <h4>30-day, hassle-free money back guarantee</h4>
    <p>Gain access to our full library of tutorials along with expert code reviews.  Perfect for any developers who are serious about honing their skills.</p>
  </div>
  <div id="bottom-section">
```

```css


@media (min-width: 576px) {

  #card {
    width: 550px;
    height: 400px;
  }

  #bottom-left-section {
      display: inline-block;
      height: 100%;
      width: 50%;
  }
```

```js
function alertUser() {
```