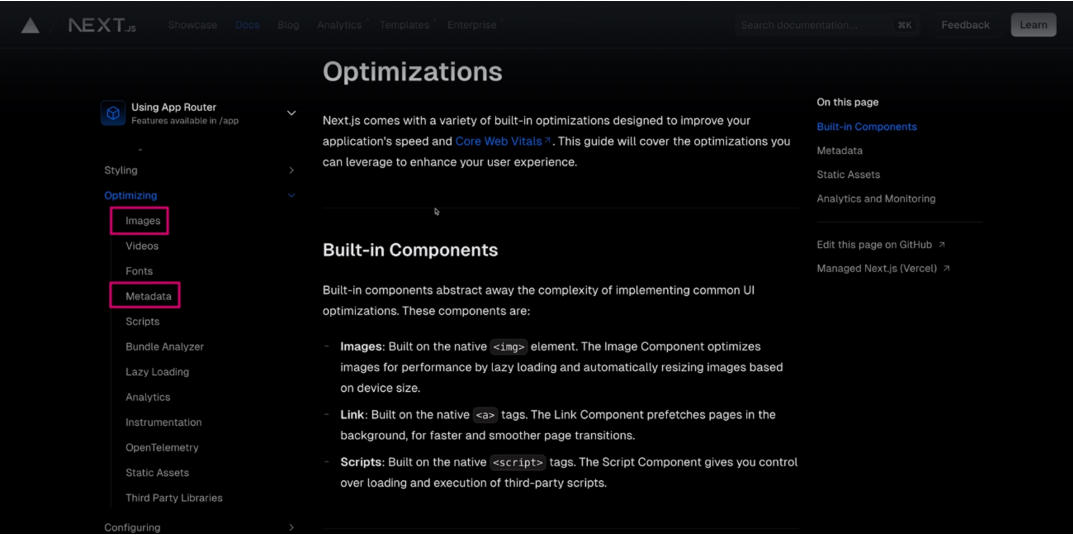
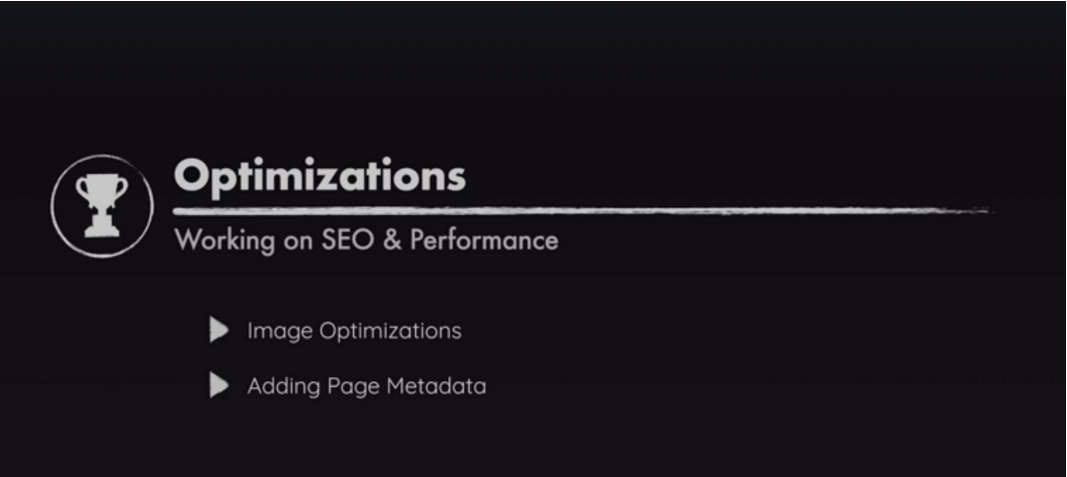
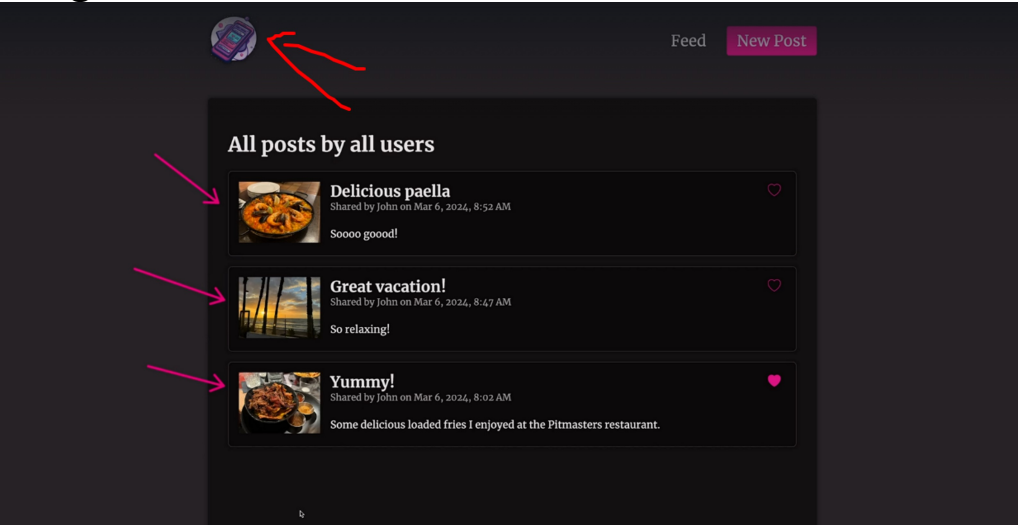


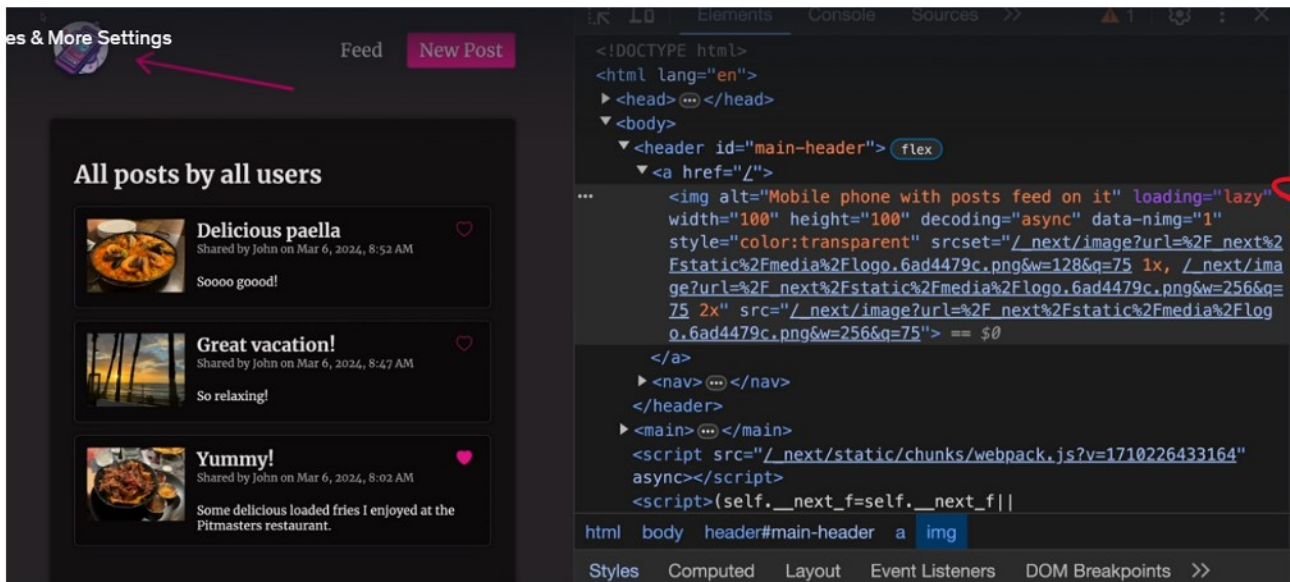
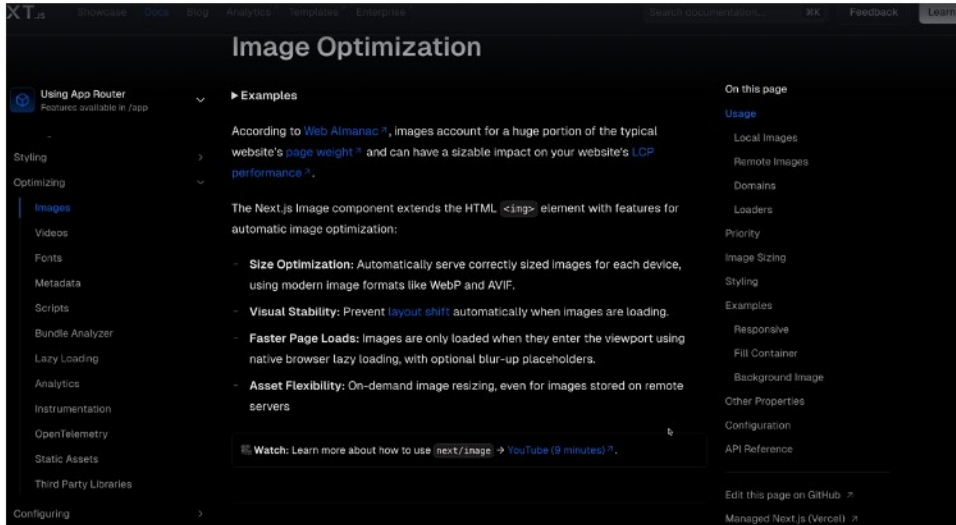
# Section 8: NextJS App Optimizations

15 September 2024 10:59



In this section, we are going to optimize these images.





```

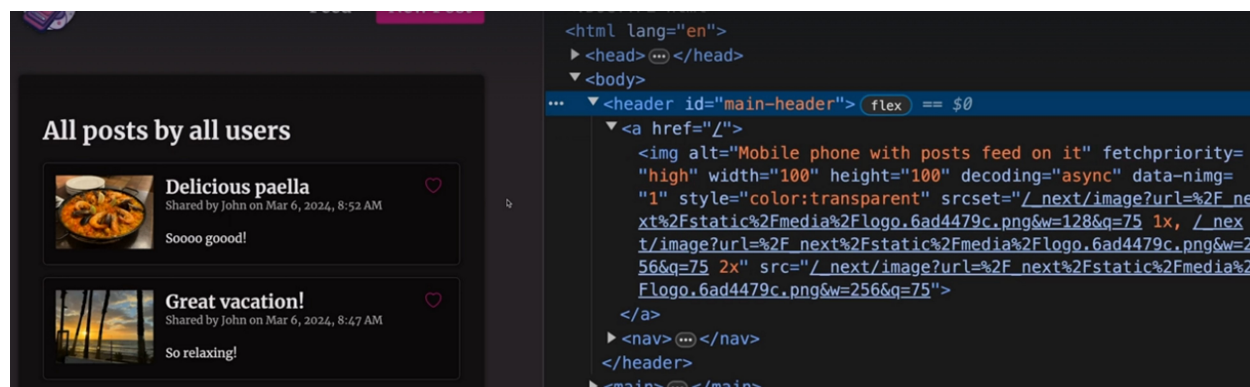
5
6   export default function Header() {
7     return (
8       <header id="main-header">
9         <Link href="/">
10          <Image
11            src={logo}
12            width={100}
13            height={100}
14            priority
15            alt="Mobile phone with posts feed on it"
16          />
17        </Link>
18        <nav>

```

that's worth noting about using the image component on this image is that, as mentioned by default, NextJS sets this loading attribute on the native image element to lazy, and that's the attribute that's supported by all modern browsers that will make sure that the image only loaded and displayed if it's visible on the screen.

Now the problem we have here is that this **image** here is in the header, and therefore it will always be visible on the screen when the page loads, so lazy loading this image here doesn't make any sense. Instead, it's just an unnecessary check for the browser to find out whether this image needs to be loaded or not, because we as a developer already know that it always needs to be loaded.

So therefore, what you should do if you have an image where you know with certainty that it will be displayed on the screen when the page loads, is you should add another special prop to this image component, the priority prop. This tells NextJS, and therefore in the end, the browser, that this image will always be visible when the page loads and therefore when navigating to that page, NextJS would preload the image and lazy loading will also be disabled so that the browser doesn't need to check whether the image should be loaded or not, but that it will instead always load it. So after adding priority here and saving that file, if I reload, you see that now this lazy loading attribute has been removed, and instead this fetchpriority, which is set to high, attribute has been added. And therefore you want to consider adding this priority prop here to all images where you know with certainty that they will be visible after the page has been loaded.



So after adding priority here and saving that file, if I reload, you see that now this lazy loading attribute has been removed, and instead this fetchpriority, which is set to high, attribute has been added. And therefore you want to consider adding this priority prop here to all images where you know with certainty that they will be visible after the page has been loaded. That's definitely something you should consider.

Why do images that are loaded with help of the next/image and that fill prop take up the entire available screen space? Well, because the fill prop essentially tells NextJS that we don't know the exact size of the loaded image, and that if they offer, should fill up all the space it can get, and by default, if you don't have any other settings, so to say,

that will be the entire screen space. Now, that's, of course, not what we want, and therefore, what you should do when you're using the next/image with the fill prop is you should go to the container element of that image, or add such a container element if you don't have one, and change the CSS style settings on that container.

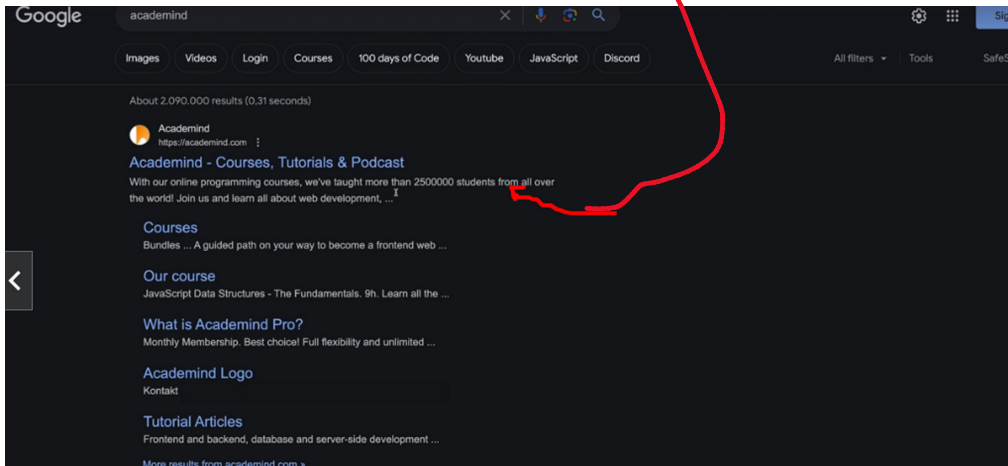
```
import { formatDate } from '@lib/format';
import LikeButton from './like-icon';
import { togglePostLikeStatus } from '@actions/posts';

function Post({ post, action }) {
  return (
    <article className="post">
      <div className="post-image">
        <Image src={post.image} fill alt={post.title} />
      </div>
      <div className="post-content">
        <header>
          <div>
            <h2>{post.title}</h2>
          </div>
        </header>
      </div>
    </article>
  );
}
```

```

5
6 export const metadata = {
7   title: 'Latest Post',
8   description: ''
9 };

```



<https://nextjs.org/docs/app/building-your-application/optimizing/metadata>

Using App Router

Features available in /app

Getting Started

Installation

Project Structure

Building Your Application

Routing

Data Fetching

Rendering

Caching

Styling

Optimizing

Configuring

Testing

Authentication

Deploying

Upgrading

openGraph

layout.js | page.js

```

1 export const metadata = {
2   openGraph: {
3     title: 'Next.js',
4     description: 'The React Framework for the Web',
5     url: 'https://nextjs.org',
6     siteName: 'Next.js',
7     images: [
8       {
9         url: 'https://nextjs.org/og.png', // Must be an absolute URL
10        width: 800,
11        height: 600,
12      },
13      {
14        url: 'https://nextjs.org/og-alt.png', // Must be an absolute URL
15        width: 1800,
16        height: 1600,
17        alt: 'My custom alt',
18      },
19    ],
20    locale: 'en_US',
21    type: 'website',
22  },
23 }

```

On this page

The metadata object

generateMetadata function

Parameters

Returns

Metadata Fields

title

String

Template object

Default

Template

Absolute

description

Basic Fields

metadataBase

Default value

URL Composition

that will be used when you share a page on X or Facebook.