

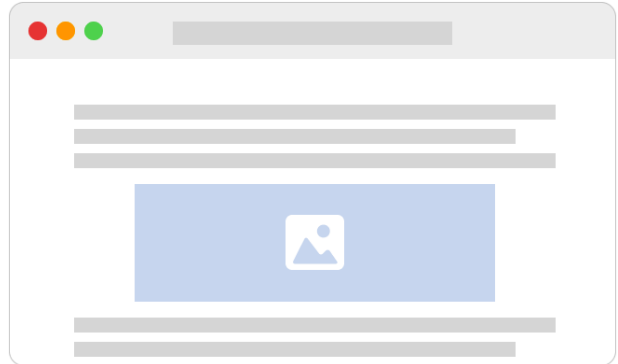
# Chapter 01: A Brief Introduction to Next.js

*No images*

## Chapter 2: Exploring Different Rendering Strategies

*No images*

## Chapter 3: Next.js Basics and Built-In Components





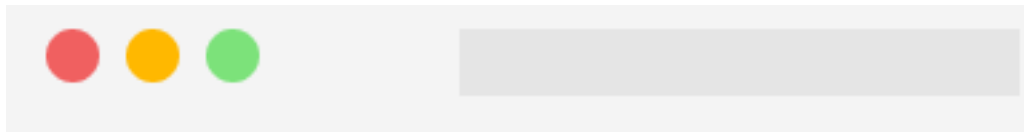


REACTJS.ORG

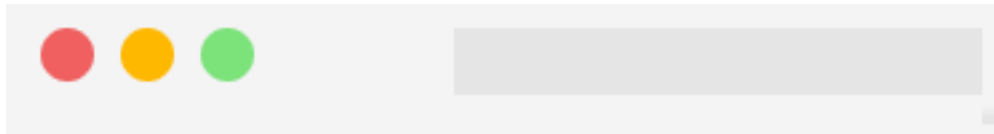
**React – A JavaScript library for building user interfaces**

A JavaScript library for building user interfaces

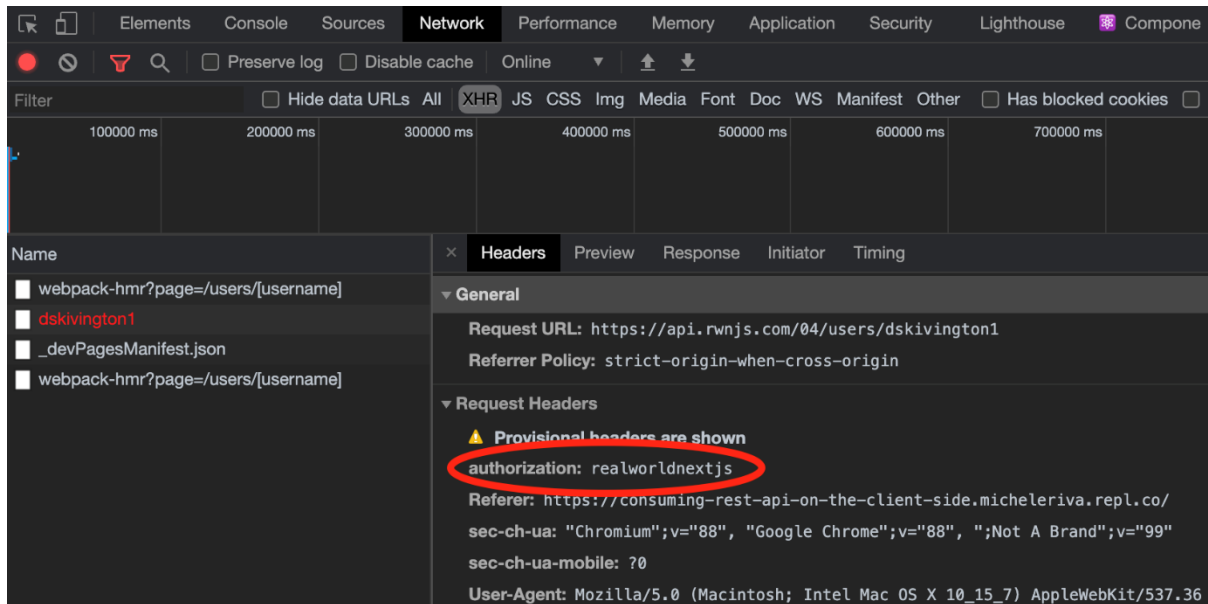
## Chapter 4: Organizing the Code Base and Fetching Data in Next.js



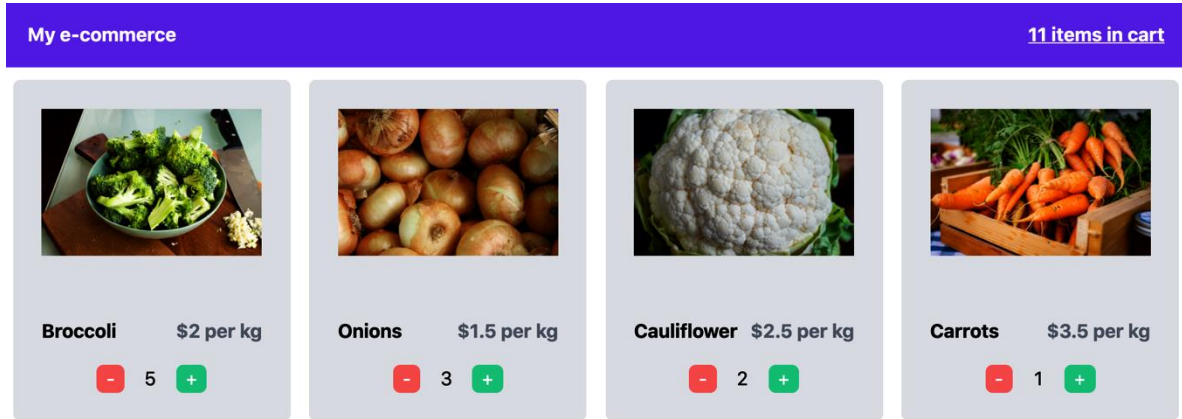
- [mkastel0](#)
- [dskivington1](#)
- [ldugmore2](#)
- [fonion3](#)
- [amccarron4](#)
- [nlofts5](#)
- [tmistry6](#)
- [asilverman7](#)
- [mypadelli8](#)
- [bullyott9](#)
- [eplumera](#)
- [ecaspellb](#)
- [wbraleyc](#)
- [dgiggd](#)
- [gpepperralle](#)



**Job title:** Financial Advisor

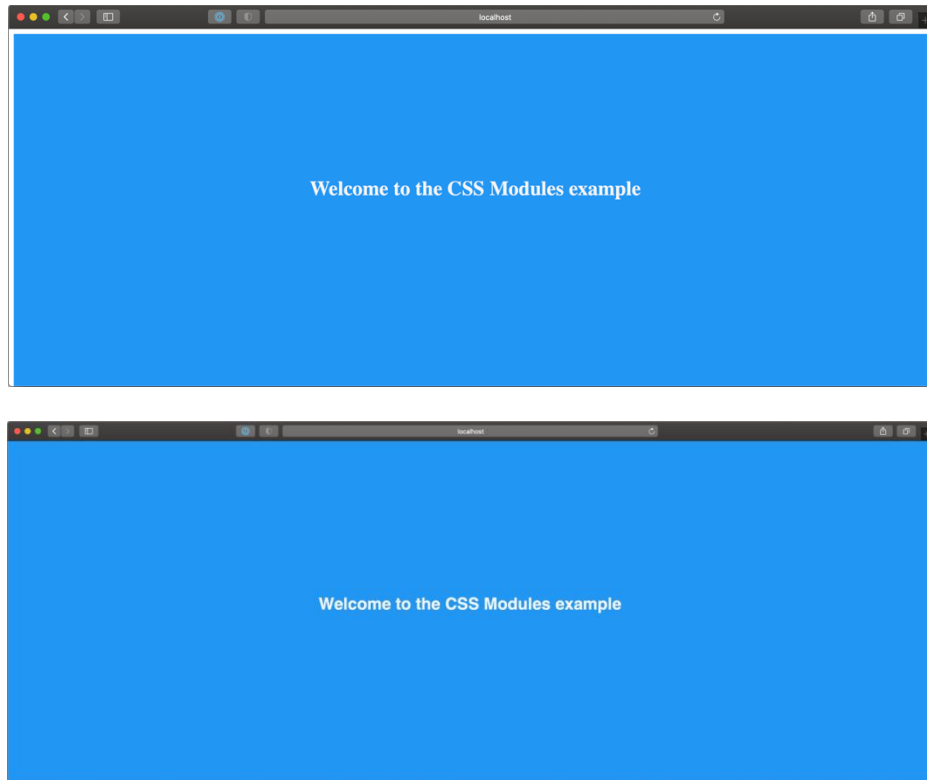


## Chapter 5: Managing Local and Global States in Next.js





## Chapter 6: CSS and Built-In Styling Methods



## Chapter 7: Using UI Frameworks

brand.100

brand.200

brand.300

brand.400

### Chakra UI

Rendering in light mode

Toggle dark mode



**Edi Le Grice**

Marketing Assistant

### Chakra UI

Rendering in dark mode













Toggle light mode















**Edi Le Grice**

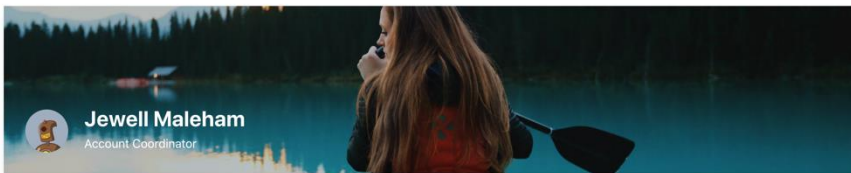
Marketing Assistant

## ACME Corporation Employees

 <b>Edi Le Grice</b> Marketing Assistant	 <b>Annalee Grout</b> Human Resources Assistant II	 <b>Lainey Coners</b> Structural Analysis Engineer
 <b>Philis Aspy</b> Food Chemist	 <b>Bartolemo Traynor</b> Librarian	 <b>Patty Bassett</b> Chief Design Engineer
 <b>Barr Bockman</b> Account Executive	 <b>Dmitri Bernardy</b> Nurse	 <b>Philis Maycey</b> Sales Associate
 <b>Goldie Sambles</b> Environmental Specialist	 <b>Colan Fidian</b> Cost Accountant	 <b>Marc Hartzog</b> GIS Technical Architect

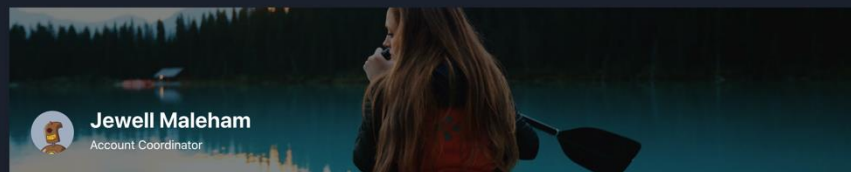
## ACME Corporation Employees

 <b>Edi Le Grice</b> Marketing Assistant	 <b>Annalee Grout</b> Human Resources Assistant II	 <b>Lainey Coners</b> Structural Analysis Engineer
 <b>Philis Aspy</b> Food Chemist	 <b>Bartolemo Traynor</b> Librarian	 <b>Patty Bassett</b> Chief Design Engineer
 <b>Barr Bockman</b> Account Executive	 <b>Dmitri Bernardy</b> Nurse	 <b>Philis Maycey</b> Sales Associate
 <b>Goldie Sambles</b> Environmental Specialist	 <b>Colan Fidian</b> Cost Accountant	 <b>Marc Hartzog</b> GIS Technical Architect



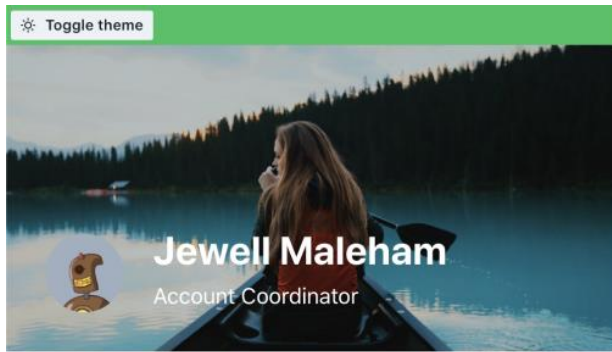
Duis bibendum. Morbi non quam nec dui luctus rutrum. Nulla tellus. In sagittis dui vel nisi. Duis ac nibh. Fusce lacus purus, aliquet at, feugiat non, pretium quis, lectus. Suspendisse potenti. In eleifend quam a odio. In hac habitasse platea dictumst. Maecenas ut massa quis augue luctus tincidunt. Nulla mollis molestie lorem. Quisque ut erat. Curabitur gravida nisi at nibh. In hac habitasse platea dictumst. Aliquam augue quam, sollicitudin vitae, consectetuer eget, rutrum at, lorem. Integer tincidunt ante vel ipsum. Praesent blandit lacinia erat. Vestibulum sed magna at nunc commodo placerat. Praesent blandit. Nam nulla. Integer pede justo, lacinia eget, tincidunt eget, tempus vel, pede. Morbi porttitor lorem id ligula. Suspendisse ornare consequat lectus. In est risus, auctor sed, tristique in, tempus sit amet, sem.

[Back to all users](#)



Duis bibendum. Morbi non quam nec dui luctus rutrum. Nulla tellus. In sagittis dui vel nisi. Duis ac nibh. Fusce lacus purus, aliquet at, feugiat non, pretium quis, lectus. Suspendisse potenti. In eleifend quam a odio. In hac habitasse platea dictumst. Maecenas ut massa quis augue luctus tincidunt. Nulla mollis molestie lorem. Quisque ut erat. Curabitur gravida nisi at nibh. In hac habitasse platea dictumst. Aliquam augue quam, sollicitudin vitae, consectetuer eget, rutrum at, lorem. Integer tincidunt ante vel ipsum. Praesent blandit lacinia erat. Vestibulum sed magna at nunc commodo placerat. Praesent blandit. Nam nulla. Integer pede justo, lacinia eget, tincidunt eget, tempus vel, pede. Morbi porttitor lorem id ligula. Suspendisse ornare consequat lectus. In est risus, auctor sed, tristique in, tempus sit amet, sem.

[Back to all users](#)



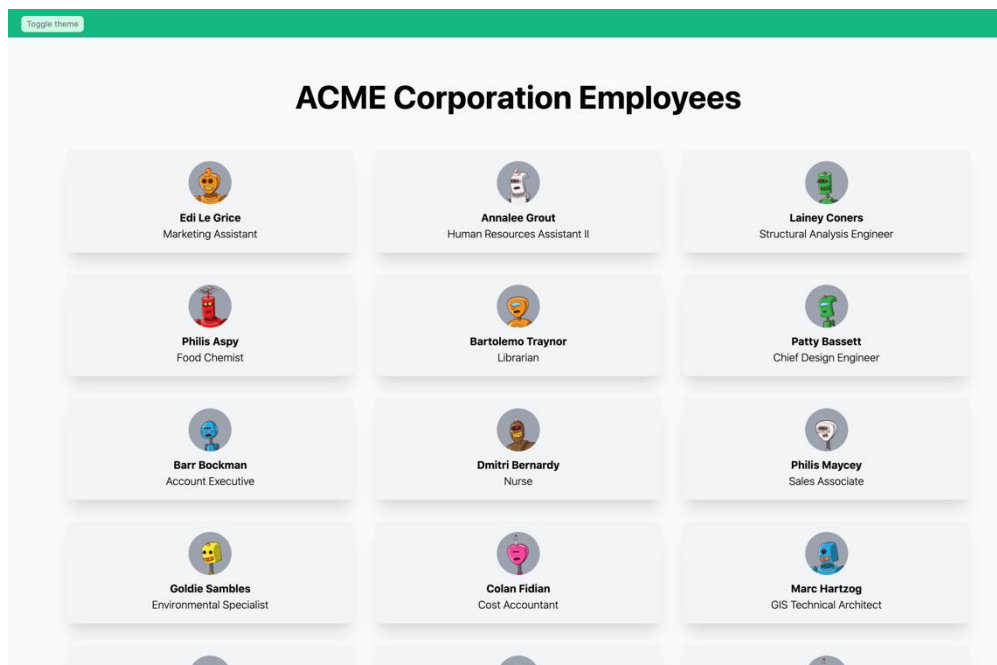
Duis bibendum. Morbi non quam nec dui luctus rutrum. Nulla tellus. In sagittis dui vel nisl. Duis ac nibh. Fusce lacus purus, aliquet at, feugiat non, pretium quis, lectus. Suspendisse potenti. In eleifend quam a odio. In hac habitasse platea dictumst. Maecenas ut massa quis augue luctus tincidunt. Nulla mollis molestie lorem. Quisque ut erat. Curabitur gravida nisi at nibh. In hac habitasse platea dictumst. Aliquam augue quam, sollicitudin vitae, consectetuer eget, rutrum at, lorem. Integer tincidunt ante vel ipsum. Praesent blandit lacinia erat. Vestibulum sed magna at nunc commodo placerat. Praesent blandit. Nam nulla. Integer pede justo, lacinia eget, tincidunt eget, tempus vel, pede. Morbi porttitor lorem id ligula. Suspendisse ornare consequat lectus. In est risus, auctor sed, tristique in, tempus sit amet, sem.

[Back to all users](#)



Duis bibendum. Morbi non quam nec dui luctus rutrum. Nulla tellus. In sagittis dui vel nisl. Duis ac nibh. Fusce lacus purus, aliquet at, feugiat non, pretium quis, lectus. Suspendisse potenti. In eleifend quam a odio. In hac habitasse platea dictumst. Maecenas ut massa quis augue luctus tincidunt. Nulla mollis molestie lorem. Quisque ut erat. Curabitur gravida nisi at nibh. In hac habitasse platea dictumst. Aliquam augue quam, sollicitudin vitae, consectetuer eget, rutrum at, lorem. Integer tincidunt ante vel ipsum. Praesent blandit lacinia erat. Vestibulum sed magna at nunc commodo placerat. Praesent blandit. Nam nulla. Integer pede justo, lacinia eget, tincidunt eget, tempus vel, pede. Morbi porttitor lorem id ligula. Suspendisse ornare consequat lectus. In est risus, auctor sed, tristique in, tempus sit amet, sem.

[Back to all users](#)



















[Toggle theme](#)

# ACME Corporation Employees

 <b>Edi Le Grice</b> Marketing Assistant	 <b>Annalee Grout</b> Human Resources Assistant II	 <b>Lainey Coners</b> Structural Analysis Engineer
 <b>Phillis Aspy</b> Food Chemist	 <b>Bartolemo Traynor</b> Librarian	 <b>Patty Bassett</b> Chief Design Engineer
 <b>Barr Bockman</b> Account Executive	 <b>Dmitri Bernardy</b> Nurse	 <b>Phillis Maycey</b> Sales Associate
 <b>Goldie Sambles</b> Environmental Specialist	 <b>Colan Fidian</b> Cost Accountant	 <b>Marc Hartzog</b> GIS Technical Architect
		

## Chapter 8: Using a Custom Server

Name	Status	Type	Initiator	Size	Time	Waterfall
 about	200	document	Other	881 B	7 ms	
 webpack.js?ts=1627824916875	404	script	<a href="#">about</a>	272 B	5 ms	
 main.js?ts=1627824916875	404	script	<a href="#">about</a>	272 B	6 ms	
 _app.js?ts=1627824916875	404	script	<a href="#">about</a>	272 B	10 ms	
 about.js?ts=1627824916875	404	script	<a href="#">about</a>	272 B	10 ms	
 _buildManifest.js?ts=1627824916875	404	script	<a href="#">about</a>	272 B	9 ms	
 _ssgManifest.js?ts=1627824916875	404	script	<a href="#">about</a>	272 B	8 ms	
 react-refresh.js?ts=1627824916875	404	script	<a href="#">about</a>	272 B	10 ms	

## Chapter 9: Testing Next.js

```
λ → yarn test
yarn run v1.22.10
$ jest
PASS utils/tests/index.test.js
  cutTextToLength cuts a string when it's too long
    ✓ Should cut a string that exceeds 10 characters (2 ms)
    ✓ Should not cut a string if it's shorter than 10 characters
  slugify makes a string URL-safe
    ✓ Should convert a string to URL-safe format
    ✓ Should slugify a string with special characters
  composeArticleSlug should create a complete article URL given a title and an ID
    ✓ Should create a complete article URL (1 ms)
    ✓ Should create a complete article URL with special characters
  extractArticleIdFromSlug should correctly extract the ID out of an article URL
    ✓ Should correctly extract the ID out of an article URL

Test Suites: 1 passed, 1 total
Tests:       7 passed, 7 total
Snapshots:   0 total
Time:        0.599 s, estimated 1 s
Ran all test suites.
🌟 Done in 1.39s.
```

```
λ → yarn cypress
yarn run v1.22.10
$ cypress run
Cypress could not verify that this server is running:

> http://localhost:3000

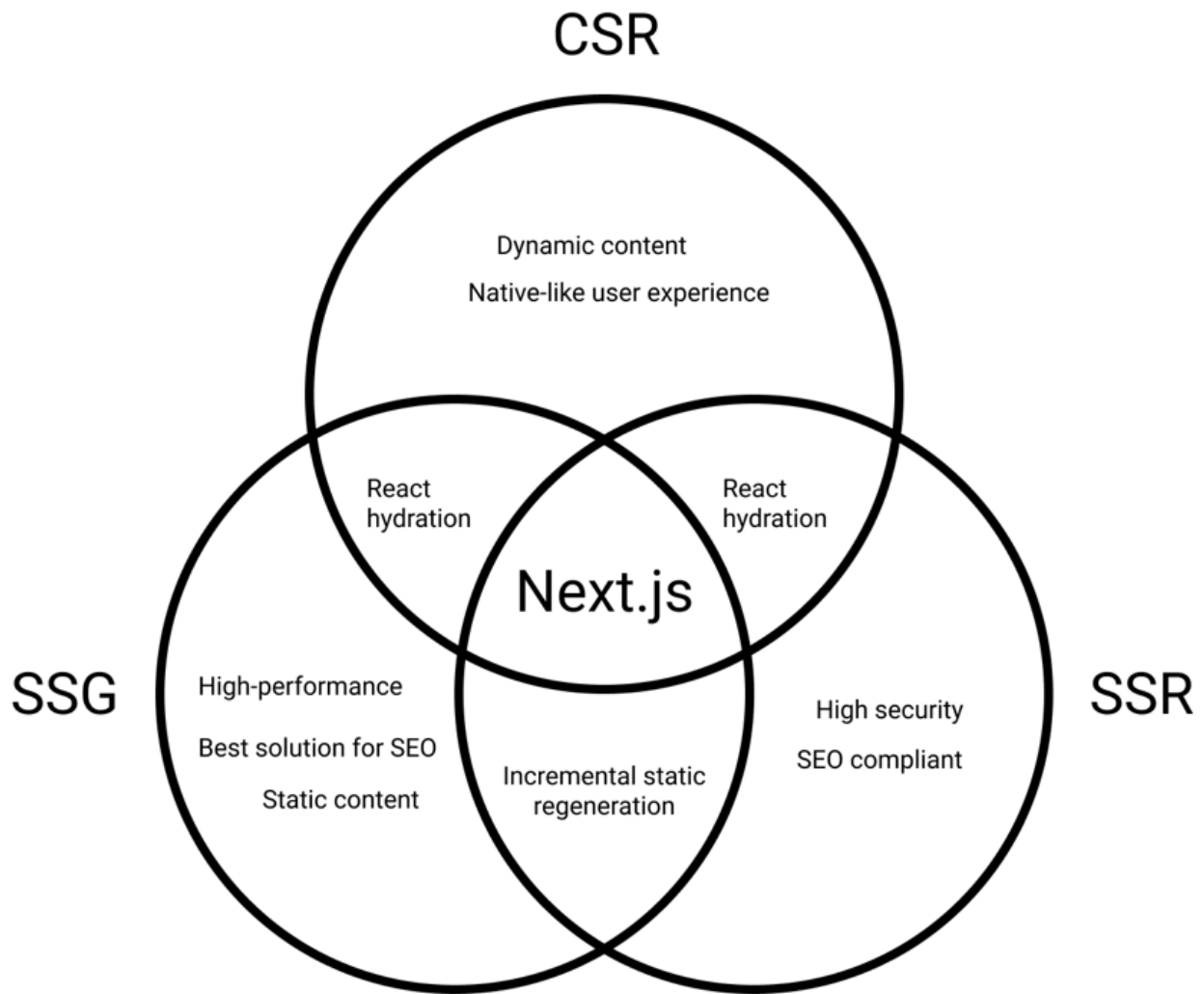
We are verifying this server because it has been configured as your `baseUrl`.

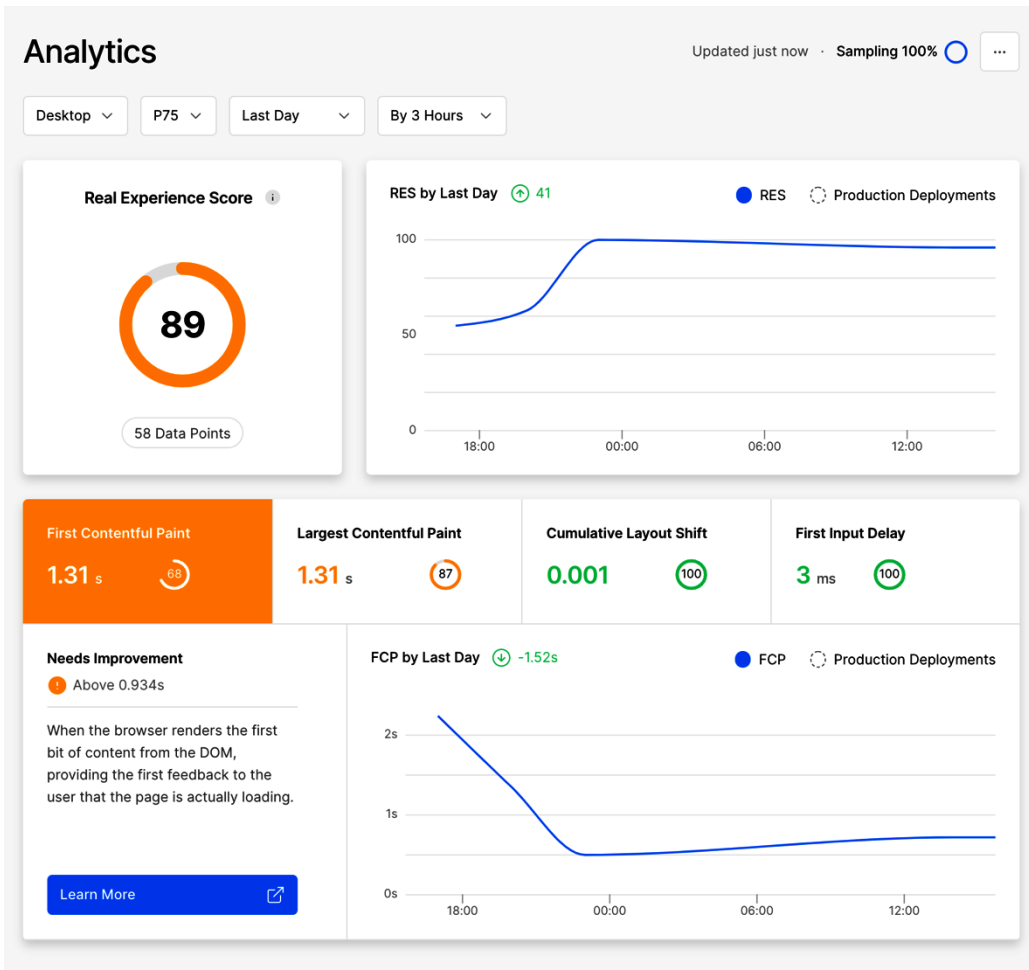
Cypress automatically waits until your server is accessible before running tests.

We will try connecting to it 3 more times...
```



## Chapter 10: Working with SEO and Managing Performance





```
Elements Console Sources Network Performance Memory Application Security Lighthouse >>
top Filter Default levels No Issues
[Error] _app.tsx:77216:6
{
  id: "1631368199628-4235989605981",
  name: "Next.js-hydration",
  startTime: 1899.300000011921,
  value: 23,
  label: "custom"
}
[[Prototype]]: Object

[Error] react_devtools_backend.js:4049
{
  id: "v2-1631368199649-3983077113632",
  name: "FCP",
  startTime: 1940.2000000178814,
  value: 1940.2000000178814,
  label: "web-vital"
}
[[Prototype]]: Object

[Error] react_devtools_backend.js:4049
{
  id: "v2-1631368199649-6753701318210",
  name: "TTFB",
  startTime: 0,
  value: 537,
  label: "web-vital"
}
[[Prototype]]: Object
```

# Chapter 11: Different Deployment Platforms

*No images*

## Chapter 12: Managing Authentication and User Session

**Encoded**  
PASTE A TOKEN HERE

```
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1bW11IjoIc255b2UuLjZG1pbiI6dHJ1ZSwiaWF0IjoxNjM0MTMxMjY4fQ.SAv6UDKd1b3CokrC8o3e_pZs_Fk0JyY2oDpYJ0bDUyU
```

**Decoded**  
EDIT THE PAYLOAD AND SECRET

**HEADER: ALGORITHM & TOKEN TYPE**

```
{  "alg": "HS256",  "typ": "JWT"}
```

**PAYLOAD: DATA**

```
{  "name": "Jane Doe",  "admin": true,  "iat": 1634131268}
```

**VERIFY SIGNATURE**

```
HMACSHA256(  base64UrlEncode(header) + "." +  base64UrlEncode(payload),  your-256-bit-secret)
```

☐ secret base64 encoded

Dashboard / Insomnia

POST http://localhost:3000/api/login

Send

JSON

Auth Query Header Docs

```
1- {
2-   "email": "johndoe@somecompany.com",
3-   "password": "strongpassword"
4- }
```

Beautify JSON

200 OK 150 ms 16 B 6 Minutes Ago

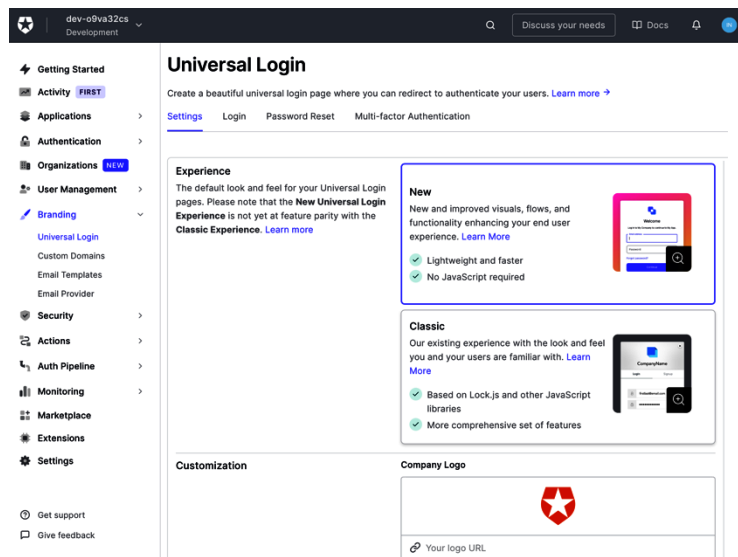
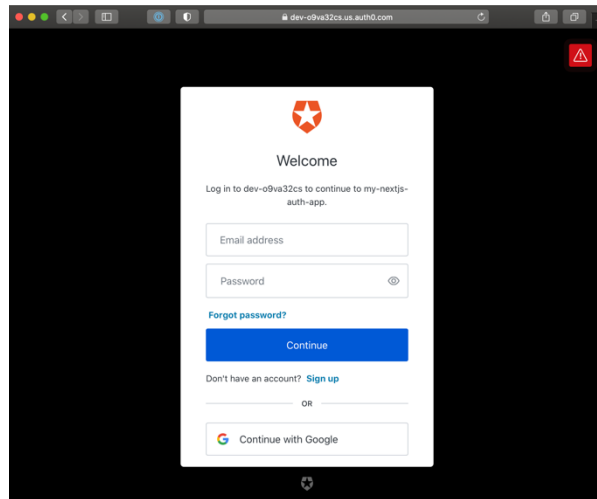
Preview

Header Cookie Timeline

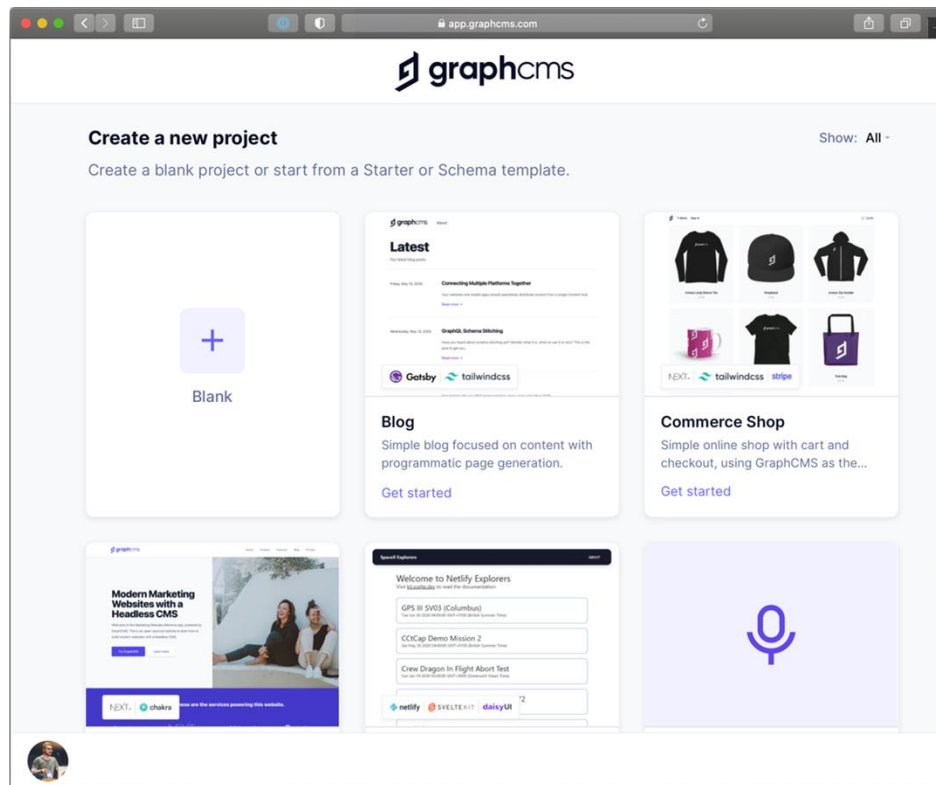
```
1- {
2-   "success": true
3- }
```

```
$.store.books[*].author
```



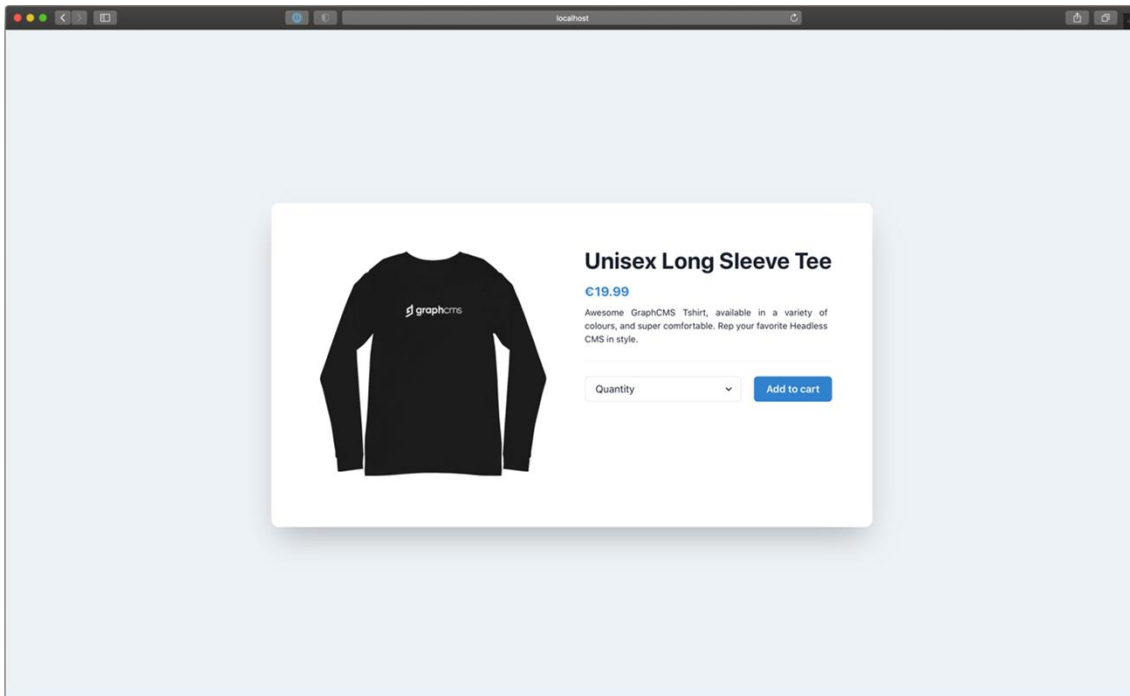
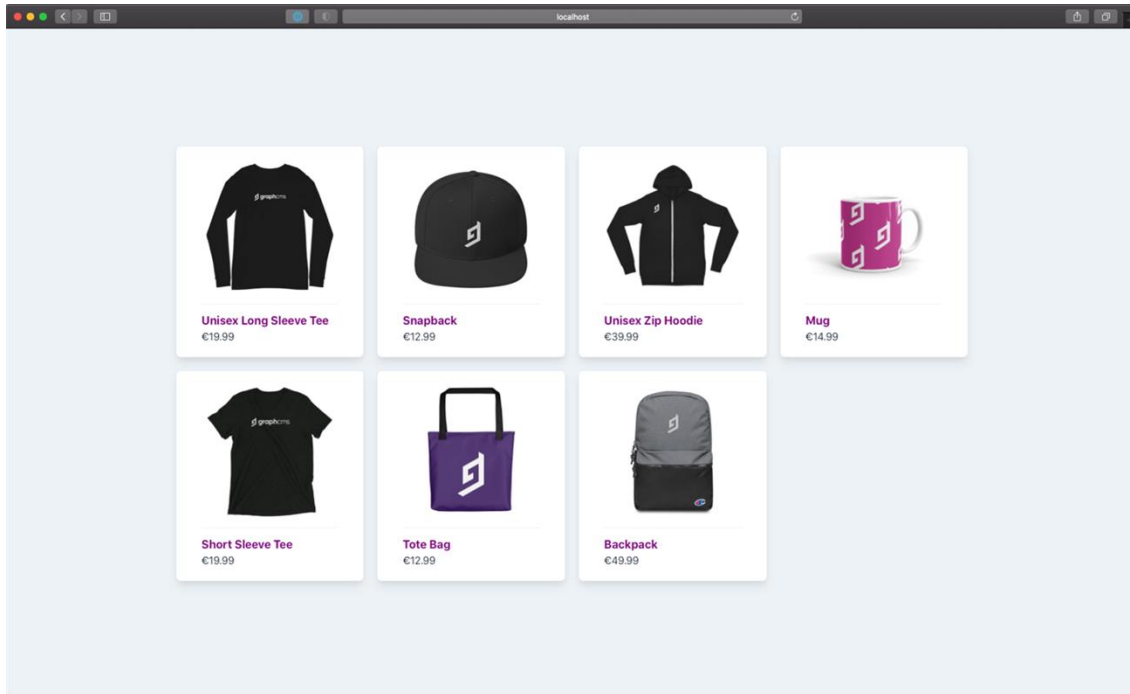


# Chapter 13: Building an E-Commerce Website with Next.js and GraphCMS













← Michele Riva

Pay Michele Riva


€114.96

 Unisex Zip Hoodie  
Qty 2 ▾

€79.98  
€39.99 each

 Mug  
Qty 1 ▾

€14.99

 Short Sleeve Tee  
Qty 1 ▾

€19.99

Subtotal

€114.96

Shipping  
Free Shipping (3-5 business days)

Free

Total due

€114.96

Shipping information

Email

Shipping address  

Name

Italy ▾

Address line 1

Address line 2

Postal code

City

Province

Shipping method  

☒ Free Shipping  
3-5 business days

Free

☐ Next day air  
1 business day


€4.99

Payment method  

☒ Card

☐ SEPA  
SEPA Direct Debit

Card information  

1234 1234 1234 1234 

MM / YY

CVC

☒ Billing address is same as shipping

☐ Save my info for secure 1-click checkout  
Pay faster on Michele Riva and thousands of sites.

Pay

Powered by stripe | Terms Privacy

## Chapter 14: Example Projects and Next Steps for Learning More

```
< pages > JS index.js
1 import Head from 'next/head'
2 import Image from 'next/image'
3 import styles from '../styles/Home.module.css'
4
5 export default function Home() {
6   return (
7     <div className={styles.container}>
8       <Head>
9         <title>Create Next App</title>
10        <meta name="description" content="Generated by create n
11        <link rel="icon" href="/favicon.ico" />
12      </Head>
13
14      <main className={styles.main}>
15        <h1 className={styles.title}>
16          Welcome to <a href="https://nextjs.org">Next.js!</a>
17        </h1>
18
19        <p className={styles.description}>
20          Get started by editing{' '}
21          <code className={styles.code}>pages/index.js</code>
22        </p>
23
24        <div className={styles.grid}>
25          <a href="https://nextjs.org/docs" className={styles.c
26            <h2>Documentation &arr;</h2>
27            <p>Find in-depth information about Next.js features
28          </a>
29
30          <a href="https://nextjs.org/learn" className={styles.
31            <h2>Learn &arr;</h2>
32            <p>Learn about Next.js in an interactive course with
```

# Welcome to Next.js!

Get started by editing `pages/index.js`

michele... · 5 minutes ago · 1

This title may look better in red. `pages/index.js`

Comment...

### Documentation →

Find in-depth information about Next.js features and API.

### Learn →

Learn about Next.js in an interactive course with quizzes!

### Examples →

Discover and deploy boilerplate example Next.js projects.

### Deploy →

Instantly deploy your Next.js site to a public URL with Vercel.

<> Code Comment Beta