Nuxt.js 综合案例

介绍

- GitHub仓库：https://github.com/gothinkster/realworld
- 在线示例：https://demo.realworld.io/#/
- 接口文档：https://github.com/gothinkster/realworld/tree/master/api
- 页面模板：https://github.com/gothinkster/realworld-starter-kit/blob/master/FRONTEND_INSTRUCTIONS.md

创建项目

```
# 创建项目目录
mkdir realworld-nuxtjs

# 进入项目目录
cd realworld-nuxtjs

# 生成 package.json 文件
npm init -y

# 安装 nuxt 依赖
npm install nuxt
```

在 `package.json` 中添加启动脚本：

```
"scripts": {
  "dev": "nuxt"
}
```

创建 `pages/index.vue`：

```
<template>
  <div>
    <h1>Home Page</h1>
  </div>
</template>

<script>
export default {
  name: 'HomePage'
}
</script>

<style>

</style>
```

启动服务：

```
npm run dev
```

在浏览器中访问 http://localhost:3000/ 测试。

导入样式资源

`app.html`：

```html
<!DOCTYPE html>
<html {{ HTML_ATTRS }}>
  <head {{ HEAD_ATTRS }}>
    {{ HEAD }}
    <!-- Import Ionicon icons & Google Fonts our Bootstrap theme relies on -->
    <link
href="https://cdn.jsdelivr.net/npm/ionicons@2.0.1/css/ionicons.min.css"
rel="stylesheet" type="text/css">
    <link href="//fonts.googleapis.com/css?
family=Titillium+Web:700|Source+Serif+Pro:400,700|Merriweather+Sans:400,700|Sour
ce+Sans+Pro:400,300,600,700,300italic,400italic,600italic,700italic"
rel="stylesheet" type="text/css">
    <!-- Import the custom Bootstrap 4 theme from our hosted CDN -->
    <!-- <link rel="stylesheet" href="//demo.productionready.io/main.css"> -->
    <link rel="stylesheet" href="/index.css">
  </head>
  <body {{ BODY_ATTRS }}>
    {{ APP }}
  </body>
</html>
```

布局组件

`pages/layout/index.vue`

```html
<template>
  <div>
    <nav class="navbar navbar-light">
      <div class="container">
        <nuxt-link class="navbar-brand" to="/">conduit</nuxt-link>
        <ul class="nav navbar-nav pull-xs-right">
          <li class="nav-item">
            <!-- Add "active" class when you're on that page" -->
            <nuxt-link class="nav-link active" to="/">Home</nuxt-link>
          </li>
          <li class="nav-item">
            <nuxt-link class="nav-link" to="/editor">
              <i class="ion-compose"></i> New Post
            </nuxt-link>
          </li>
          <li class="nav-item">
            <nuxt-link class="nav-link" to="/settings">
              <i class="ion-gear-a"></i> Settings
            </nuxt-link>
          </li>
          <li class="nav-item">
```

```
        <nuxt-link class="nav-link" to="/profile/lpz">
          <img class="user-pic"
src="http://toutiao.meiduo.site/FtNcS8sKFSYQbtBbd40eFTL6lAs_" ng-
src="http://toutiao.meiduo.site/FtNcS8sKFSYQbtBbd40eFTL6lAs_">
          LPZ
        </nuxt-link>
      </li>
      <li class="nav-item">
        <nuxt-link class="nav-link" to="/login">
          Sign in
        </nuxt-link>
      </li>
      <li class="nav-item">
        <nuxt-link class="nav-link" to="/register">
          Sign up
        </nuxt-link>
      </li>
    </ul>
   </div>
  </nav>
  <nuxt-child />
  <footer>
   <div class="container">
     <nuxt-link class="logo-font" to="/">conduit</nuxt-link>
     <span class="attribution">
       An interactive learning project from <a
href="https://kaiwu.lagou.com/">lagou</a>. Code &amp; design licensed under MIT.
     </span>
   </div>
  </footer>
 </div>
</template>

<script>
export default {
  name: 'LayoutIndex'
}
</script>

<style>

</style>
```

登录注册

`pages/login.vue`

```
<template>
  <div class="auth-page">
    <div class="container page">
      <div class="row">

        <div class="col-md-6 offset-md-3 col-xs-12">
          <h1 class="text-xs-center">{{ isLogin ? 'Sign in' : 'Sign up' }}</h1>
          <p class="text-xs-center">
```

```html
            <nuxt-link v-if="isLogin" to="/register">Need an account?</nuxt-
link>
            <nuxt-link v-else to="/login">Have an account?</nuxt-link>
          </p>

          <ul class="error-messages">
            <li>That email is invalid.</li>
          </ul>

          <form>
            <fieldset v-if="!isLogin" class="form-group">
              <input class="form-control form-control-lg" type="text"
placeholder="Your Name">
            </fieldset>
            <fieldset class="form-group">
              <input class="form-control form-control-lg" type="email"
placeholder="Email">
            </fieldset>
            <fieldset class="form-group">
              <input class="form-control form-control-lg" type="password"
placeholder="Password">
            </fieldset>
            <button class="btn btn-lg btn-primary pull-xs-right">
              {{ isLogin ? 'Sign in' : 'Sign up' }}
            </button>
          </form>
        </div>

      </div>
    </div>
  </div>
</template>

<script>
export default {
  name: 'LoginIndex',
  asyncData () {
  },
  data () {
    return {}
  },
  computed: {
    isLogin () {
      return this.$route.path === '/login'
    }
  }
}
</script>

<style>

</style>
```

导入剩余页面

路径	页面
/	首页
/login	登录
/register	注册
/settings	用户设置
/editor	发布文章
/editor/:slug	编辑文章
/article/:slug	文章详情
/profile/:username	用户页面
/profile/:username/favorites	用户页面/喜欢的文章

首页

`pages/index.vue`

```html
<div class="home-page">

  <div class="banner">
    <div class="container">
      <h1 class="logo-font">conduit</h1>
      <p>A place to share your knowledge.</p>
    </div>
  </div>

  <div class="container page">
    <div class="row">

      <div class="col-md-9">
        <div class="feed-toggle">
          <ul class="nav nav-pills outline-active">
            <li class="nav-item">
              <a class="nav-link disabled" href="">Your Feed</a>
            </li>
            <li class="nav-item">
              <a class="nav-link active" href="">Global Feed</a>
            </li>
          </ul>
        </div>

        <div class="article-preview">
          <div class="article-meta">
            <a href="profile.html"><img src="http://i.imgur.com/Qr71crq.jpg" />
</a>
            <div class="info">
              <a href="" class="author">Eric Simons</a>
              <span class="date">January 20th</span>
            </div>
            <button class="btn btn-outline-primary btn-sm pull-xs-right">
              <i class="ion-heart"></i> 29
```

```
        </button>
      </div>
      <a href="" class="preview-link">
        <h1>How to build webapps that scale</h1>
        <p>This is the description for the post.</p>
        <span>Read more...</span>
      </a>
    </div>

    <div class="article-preview">
      <div class="article-meta">
        <a href="profile.html"><img src="http://i.imgur.com/N4VcUeJ.jpg" />
</a>
        <div class="info">
          <a href="" class="author">Albert Pai</a>
          <span class="date">January 20th</span>
        </div>
        <button class="btn btn-outline-primary btn-sm pull-xs-right">
          <i class="ion-heart"></i> 32
        </button>
      </div>
      <a href="" class="preview-link">
        <h1>The song you won't ever stop singing. No matter how hard you
try.</h1>
        <p>This is the description for the post.</p>
        <span>Read more...</span>
      </a>
    </div>

  </div>

  <div class="col-md-3">
    <div class="sidebar">
      <p>Popular Tags</p>

      <div class="tag-list">
        <a href="" class="tag-pill tag-default">programming</a>
        <a href="" class="tag-pill tag-default">javascript</a>
        <a href="" class="tag-pill tag-default">emberjs</a>
        <a href="" class="tag-pill tag-default">angularjs</a>
        <a href="" class="tag-pill tag-default">react</a>
        <a href="" class="tag-pill tag-default">mean</a>
        <a href="" class="tag-pill tag-default">node</a>
        <a href="" class="tag-pill tag-default">rails</a>
      </div>
    </div>
  </div>

</div>
</div>

</div>
```

用户页面

```html
<div class="profile-page">

  <div class="user-info">
    <div class="container">
      <div class="row">

        <div class="col-xs-12 col-md-10 offset-md-1">
          <img src="http://i.imgur.com/Qr71crq.jpg" class="user-img" />
          <h4>Eric Simons</h4>
          <p>
            Cofounder @GoThinkster, lived in Aol's HQ for a few months, kinda
looks like Peeta from the Hunger Games
          </p>
          <button class="btn btn-sm btn-outline-secondary action-btn">
            <i class="ion-plus-round"></i>
             
            Follow Eric Simons
          </button>
        </div>

      </div>
    </div>
  </div>

  <div class="container">
    <div class="row">

      <div class="col-xs-12 col-md-10 offset-md-1">
        <div class="articles-toggle">
          <ul class="nav nav-pills outline-active">
            <li class="nav-item">
              <a class="nav-link active" href="">My Articles</a>
            </li>
            <li class="nav-item">
              <a class="nav-link" href="">Favorited Articles</a>
            </li>
          </ul>
        </div>

        <div class="article-preview">
          <div class="article-meta">
            <a href=""><img src="http://i.imgur.com/Qr71crq.jpg" /></a>
            <div class="info">
              <a href="" class="author">Eric Simons</a>
              <span class="date">January 20th</span>
            </div>
            <button class="btn btn-outline-primary btn-sm pull-xs-right">
              <i class="ion-heart"></i> 29
            </button>
          </div>
          <a href="" class="preview-link">
            <h1>How to build webapps that scale</h1>
            <p>This is the description for the post.</p>
            <span>Read more...</span>
          </a>
        </div>

        <div class="article-preview">
```

```html
        <div class="article-meta">
          <a href=""><img src="http://i.imgur.com/N4VcUeJ.jpg" /></a>
          <div class="info">
            <a href="" class="author">Albert Pai</a>
            <span class="date">January 20th</span>
          </div>
          <button class="btn btn-outline-primary btn-sm pull-xs-right">
            <i class="ion-heart"></i> 32
          </button>
        </div>
        <a href="" class="preview-link">
          <h1>The song you won't ever stop singing. No matter how hard you
try.</h1>
          <p>This is the description for the post.</p>
          <span>Read more...</span>
          <ul class="tag-list">
            <li class="tag-default tag-pill tag-outline">Music</li>
            <li class="tag-default tag-pill tag-outline">Song</li>
          </ul>
        </a>
      </div>


    </div>

  </div>
</div>


</div>
```

用户设置

```html
<div class="settings-page">
  <div class="container page">
    <div class="row">

      <div class="col-md-6 offset-md-3 col-xs-12">
        <h1 class="text-xs-center">Your Settings</h1>

        <form>
          <fieldset>
              <fieldset class="form-group">
                <input class="form-control" type="text" placeholder="URL of
profile picture">
              </fieldset>
              <fieldset class="form-group">
                <input class="form-control form-control-lg" type="text"
placeholder="Your Name">
              </fieldset>
              <fieldset class="form-group">
                <textarea class="form-control form-control-lg" rows="8"
placeholder="Short bio about you"></textarea>
              </fieldset>
              <fieldset class="form-group">
                <input class="form-control form-control-lg" type="text"
placeholder="Email">
              </fieldset>
```

```
                    <fieldset class="form-group">
                        <input class="form-control form-control-lg" type="password"
placeholder="Password">
                    </fieldset>
                    <button class="btn btn-lg btn-primary pull-xs-right">
                      Update Settings
                    </button>
                  </fieldset>
                </form>
              </div>

            </div>
          </div>
        </div>
```

创建文章

```
<div class="editor-page">
  <div class="container page">
    <div class="row">

      <div class="col-md-10 offset-md-1 col-xs-12">
        <form>
          <fieldset>
            <fieldset class="form-group">
                <input type="text" class="form-control form-control-lg"
placeholder="Article Title">
            </fieldset>
            <fieldset class="form-group">
                <input type="text" class="form-control" placeholder="What's this
article about?">
            </fieldset>
            <fieldset class="form-group">
                <textarea class="form-control" rows="8" placeholder="Write your
article (in markdown)"></textarea>
            </fieldset>
            <fieldset class="form-group">
                <input type="text" class="form-control" placeholder="Enter
tags"><div class="tag-list"></div>
            </fieldset>
            <button class="btn btn-lg pull-xs-right btn-primary" type="button">
              Publish Article
            </button>
          </fieldset>
        </form>
      </div>

    </div>
  </div>
</div>
```

文章详情

```
<div class="article-page">

  <div class="banner">
```

```html
    <div class="container">

      <h1>How to build webapps that scale</h1>

      <div class="article-meta">
        <a href=""><img src="http://i.imgur.com/Qr71crq.jpg" /></a>
        <div class="info">
          <a href="" class="author">Eric Simons</a>
          <span class="date">January 20th</span>
        </div>
        <button class="btn btn-sm btn-outline-secondary">
          <i class="ion-plus-round"></i>
           
          Follow Eric Simons <span class="counter">(10)</span>
        </button>
          
        <button class="btn btn-sm btn-outline-primary">
          <i class="ion-heart"></i>
           
          Favorite Post <span class="counter">(29)</span>
        </button>
      </div>

    </div>
  </div>

  <div class="container page">

    <div class="row article-content">
      <div class="col-md-12">
        <p>
        Web development technologies have evolved at an incredible clip over the
past few years.
        </p>
        <h2 id="introducing-ionic">Introducing RealWorld.</h2>
        <p>It's a great solution for learning how other frameworks work.</p>
      </div>
    </div>

    <hr />

    <div class="article-actions">
      <div class="article-meta">
        <a href="profile.html"><img src="http://i.imgur.com/Qr71crq.jpg" /></a>
        <div class="info">
          <a href="" class="author">Eric Simons</a>
          <span class="date">January 20th</span>
        </div>

        <button class="btn btn-sm btn-outline-secondary">
          <i class="ion-plus-round"></i>
           
          Follow Eric Simons <span class="counter">(10)</span>
        </button>
         
        <button class="btn btn-sm btn-outline-primary">
          <i class="ion-heart"></i>
           
```

```
              Favorite Post <span class="counter">(29)</span>
          </button>
        </div>
      </div>

      <div class="row">

        <div class="col-xs-12 col-md-8 offset-md-2">

          <form class="card comment-form">
            <div class="card-block">
              <textarea class="form-control" placeholder="Write a comment..."
rows="3"></textarea>
            </div>
            <div class="card-footer">
              <img src="http://i.imgur.com/Qr71crq.jpg" class="comment-author-img"
/>
              <button class="btn btn-sm btn-primary">
                Post Comment
              </button>
            </div>
          </form>

          <div class="card">
            <div class="card-block">
              <p class="card-text">With supporting text below as a natural lead-in
to additional content.</p>
            </div>
            <div class="card-footer">
              <a href="" class="comment-author">
                <img src="http://i.imgur.com/Qr71crq.jpg" class="comment-author-
img" />
              </a>
               
              <a href="" class="comment-author">Jacob Schmidt</a>
              <span class="date-posted">Dec 29th</span>
            </div>
          </div>

          <div class="card">
            <div class="card-block">
              <p class="card-text">With supporting text below as a natural lead-in
to additional content.</p>
            </div>
            <div class="card-footer">
              <a href="" class="comment-author">
                <img src="http://i.imgur.com/Qr71crq.jpg" class="comment-author-
img" />
              </a>
               
              <a href="" class="comment-author">Jacob Schmidt</a>
              <span class="date-posted">Dec 29th</span>
              <span class="mod-options">
                <i class="ion-edit"></i>
                <i class="ion-trash-a"></i>
              </span>
            </div>
          </div>
```

```
        </div>

      </div>

    </div>

  </div>
```

处理顶部导航链接

```
<template>
  <div>
    <!-- 顶部导航栏 -->
    <nav class="navbar navbar-light">
      <div class="container">
        <!-- <a class="navbar-brand" href="index.html">conduit</a> -->
        <nuxt-link
          class="navbar-brand"
          to="/"
        >Home</nuxt-link>
        <ul class="nav navbar-nav pull-xs-right">
          <li class="nav-item">
            <!-- Add "active" class when you're on that page" -->
            <!-- <a class="nav-link active" href="">Home</a> -->
            <nuxt-link
              class="nav-link active"
              to="/"
            >Home</nuxt-link>
          </li>
          <li class="nav-item">
            <nuxt-link
              class="nav-link"
              to="/editor"
            >
              <i class="ion-compose"></i> New Post
            </nuxt-link>
          </li>
          <li class="nav-item">
            <nuxt-link
              class="nav-link"
              to="/settings"
            >
              <i class="ion-gear-a"></i> Settings
            </nuxt-link>
          </li>
          <li class="nav-item">
            <nuxt-link
              class="nav-link"
              to="/login"
            >
              Sign in
            </nuxt-link>
          </li>
          <li class="nav-item">
            <nuxt-link
```

```
              class="nav-link"
              to="/register"
            >
              Sign up
            </nuxt-link>
          </li>
          <li class="nav-item">
            <nuxt-link class="nav-link" to="/profile/123">
              <img class="user-pic"
src="http://toutiao.meiduo.site/FtNcS8sKFSYQbtBbd4OeFTL6lAs_">
              lpz999
            </nuxt-link>
          </li>
        </ul>
      </div>
    </nav>
    <!-- /顶部导航栏 -->

    <!-- 子路由 -->
    <nuxt-child/>
    <!-- /子路由 -->

    <!-- 底部 -->
    <footer>
      <div class="container">
        <a href="/" class="logo-font">conduit</a>
        <span class="attribution">
          An interactive learning project from <a
href="https://thinkster.io">Thinkster</a>. Code &amp; design licensed under MIT.
        </span>
      </div>
    </footer>
    <!-- /底部 -->
  </div>
</template>

<script>
export default {
  name: 'LayoutIndex'
}
</script>

<style>

</style>
```

处理导航链接高亮

封装请求模块

安装 axios:

```
npm i axios
```

```
import axios from 'axios'

const request = axios.create({
  baseURL: 'https://conduit.productionready.io/'
})

export default request
```

登录注册

实现基本登录功能

封装请求方法

表单验证

错误处理

用户注册

存储用户登录状态

（1）初始化容器数据

```
import Vue from 'vue'
import Vuex from 'vuex'

Vue.use(Vuex)

export default () => {
  return new Vuex.Store({
    state: {
      user: null
    },
    mutations: {
      setUser (state, user) {
        state.user = user
      }
    },
    actions: {}
  })
}
```

（2）登录成功，将用户信息存入容器

```
this.$store.commit('setUser', data.user)
```

（3）将登录状态持久化到 Cookie 中

安装 js-cookie

```
npm i js-cookie
```

```
const Cookie = process.client ? require('js-cookie') : undefined

Cookie.set('user', data.user)
```

（4）从 Cookie 中获取并初始化用户登录状态

安装 cookieparser

```
npm i cookieparser
```

`store/index.js`

```
actions: {
  nuxtServerInit ({ commit }, { req }) {
    let user = null
    if (req.headers.cookie) {
      // 将请求头中的 Cookie 字符串解析为一个对象
      const parsed = cookieparser.parse(req.headers.cookie)
      try {
        // 将 user 还原为 JavaScript 对象
        user = JSON.parse(parsed.user)
      } catch (err) {
        // No valid cookie found
      }
    }
    commit('setUser', user)
  }
}
```

处理页面访问权限

`middleware/auth.js`

```
export default function ({ store, redirect }) {
  // If the user is not authenticated
  if (!store.state.user) {
    return redirect('/login')
  }
}
```

`middlewares/not-auth.js`

```javascript
export default function ({ store, redirect }) {
  // 已登录状态不允许访问
  if (store.state.user) {
    return redirect('/')
  }
}
```

在需要判断登录权限的页面中配置使用中间件。

```javascript
export default {
  ...
  middleware: ['auth']
}
```

首页模块

展示公共文章列表

封装请求方法:

```javascript
import request from '@/utils/request'

// 获取文章列表
export const getArticles = params => {
  return request({
    method: 'GET',
    url: '/api/articles',
    params
  })
}
```

获取数据:

```javascript
async asyncData () {
  const { data } = await getArticles()
  return data
}
```

模板绑定:

```html
<div
  class="article-preview"
  v-for="article in articles"
  :key="article.slug"
>
  <div class="article-meta">
    <nuxt-link
      class="author"
      :to="`/profile/${article.author.username}`"
    >
      <img :src="article.author.image" />
```

```
        </nuxt-link>
        <div class="info">
          <nuxt-link
            class="author"
            :to="`/profile/${article.author.username}`"
          >
            {{ article.author.username }}
          </nuxt-link>
          <span class="date">{{ article.createdAt }}</span>
        </div>
        <button
          class="btn btn-outline-primary btn-sm pull-xs-right"
          :class="{ active: article.favorited }"
        >
          <i class="ion-heart"></i> {{ article.favoritesCount }}
        </button>
      </div>
      <nuxt-link
        :to="{
          name: 'article',
          params: {
            slug: article.slug
          }
        }"
        class="preview-link"
      >
        <h1>{{ article.title }}</h1>
        <p>{{ article.description }}</p>
        <span
          @click="$router.push({
            name: 'article',
            params: {
              slug: article.slug
            }
          })"
        >Read more...</span>
      </nuxt-link>
    </div>
```

分页处理

处理分页参数

```
async asyncData ({ query }) {
  const page = Number.parseInt(query.page || 1)
  const limit = 20
  const { data } = await getArticles({
    limit, // 每页大小
    offset: (page - 1) * limit
  })
  return {
    limit,
    page,
    articlesCount: data.articlesCount,
    articles: data.articles
  }
},
```

页码处理

分页模板:

```html
<nav>
  <ul class="pagination">
    <li class="page-item active">
      <nuxt-link
        class="page-link"
        to="/"
      >1</nuxt-link>
    </li>
    <li class="page-item">
      <nuxt-link
        class="page-link"
        to="/"
      >2</nuxt-link>
    </li>
    <li class="page-item">
      <nuxt-link
        class="page-link"
        to="/"
      >3</nuxt-link>
    </li>
  </ul>
</nav>
```

1、使用计算属性计算总页码

```js
totalPage () {
  return Math.ceil(this.articlesCount / this.limit)
}
```

2、遍历生成页码列表

```html
<nav>
  <ul class="pagination">
    <li
        class="page-item"
        :class="{
                active: item === page
                }"
        v-for="item in totalPage"
        :key="item"
        >
      <nuxt-link
              class="page-link"
              :to="{
                    name: 'home',
                    query: {
                    page: item
```

```
                    }
                }"
            >{{ item }}</nuxt-link>
    </li>
  </ul>
</nav>
```

3、设置导航链接

4、响应 query 参数的变化

```
watchQuery: ['page'],
```

TODO 加载中 loading

```
<div class="article-preview">
  Loading articles...
</div>
```

TODO 无内容提示

```
<div v-if="!articles.length" class="article-preview">
  No articles are here... yet.
</div>
```

展示关注文章列表

视图处理

- 没有登录不展示 my-feed
- 处理 tab 切换以及高亮问题

数据处理

封装接口方法：

处理数据获取：

结合分页标签：

统一添加数据 token

统一处理 401

展示文章标签列表

（1）封装接口请求方法

（2）数据过滤

- 标签链接
- 分页页码链接

日期格式处理

文章点赞

文章详情

发布文章

用户中心

个人中心

发布部署

Nuxt.js 提供了一系列常用的命令, 用于开发或发布部署。

命令	描述
nuxt	启动一个热加载的Web服务器（开发模式） localhost:3000。
nuxt build	利用webpack编译应用，压缩JS和CSS资源（发布用）。
nuxt start	以生产模式启动一个Web服务器 (需要先执行 `nuxt build`)。
nuxt generate	编译应用，并依据路由配置生成对应的HTML文件 (用于静态站点的部署)。

如果使用了 Koa/Express 等 Node.js Web 开发框架，并使用了 Nuxt 作为中间件，可以自定义 Web 服务器的启动入口：

命令	描述
NODE_ENV=development nodemon server/index.js	启动一个热加载的自定义 Web 服务器（开发模式）。
NODE_ENV=production node server/index.js	以生产模式启动一个自定义 Web 服务器 (需要先执行 `nuxt build`)。

参数

您可以使用 `--help` 命令来获取详细用法。常见的命令有：

- `--config-file` 或 `-c`：指定 `nuxt.config.js` 的文件路径。
- `--spa` 或 `-s`：禁用服务器端渲染，使用SPA模式
- `--unix-socket` 或 `-n`：指定UNIX Socket的路径。

你可以将这些命令添加至 `package.json`：

```
"scripts": {
  "dev": "nuxt",
  "build": "nuxt build",
  "start": "nuxt start",
  "generate": "nuxt generate"
}
```

这样你可以通过 `npm run <command>` 来执行相应的命令。如：`npm run dev`。

提示: 要将参数传递给npm命令，您需要一个额外的 `--` 脚本名称(例如：`npm run dev --参数 --spa`)

开发模式

可通过以下命令以开发模式启动带热加载特性的 Nuxt 服务：

```
nuxt
// 或
npm run dev
```

发布部署

Nuxt.js 提供了两种发布部署应用的方式：服务端渲染应用部署 和 静态应用部署。

部署 Nuxt.js 服务端渲染的应用不能直接使用 `nuxt` 命令，而应该先进行编译构建，然后再启动 Nuxt 服务，可通过以下两个命令来完成：

```
nuxt build
nuxt start
```

推荐的 `package.json` 配置如下：

```
{
  "name": "my-app",
  "dependencies": {
    "nuxt": "latest"
  },
  "scripts": {
    "dev": "nuxt",
    "build": "nuxt build",
    "start": "nuxt start"
  }
}
```

提示： 建议将 `.nuxt` 加入 `.npmignore` 和 `.gitignore` 文件中。

```
{
  "apps": [
    {
      "name": "futurestudio-homepage",
      "script": "npm",
      "args": "start"
    }
  ]
}
```

(1) 结合 Express 服务器

```
const { Nuxt, Builder } = require('nuxt')

const app = require('express')()
const isProd = (process.env.NODE_ENV === 'production')
const port = process.env.PORT || 3000

// 用指定的配置对象实例化 Nuxt.js
const config = require('./nuxt.config.js')
config.dev = !isProd
const nuxt = new Nuxt(config)

// 用 Nuxt.js 渲染每个路由
app.use(nuxt.render)

// 在开发模式下启用编译构建和热加载
if (config.dev) {
  new Builder(nuxt).build()
    .then(listen)
} else {
  listen()
}

function listen () {
  // 服务端监听
  app.listen(port, '0.0.0.0')
  console.log('Server listening on `localhost:' + port + '`.')
}
```

(2) 使用 pm2 运行服务器

```
pm2 init
```

```
module.exports = {
  apps : [{
    name: 'rw',
    script: 'app.js',
    env: {
      NODE_ENV: 'production'
    }
  }]
}
```

（3）发布到服务器

github/workflows/main.yml

```
name: GitHub Actions Demo
on:
  push:
    tags:
      - 'v*'

jobs:
  build-and-deploy:
    runs-on: ubuntu-latest
    steps:

      # 下载源码
      - name: Checkout
        uses: actions/checkout@master

      # 打包构建
      - name: Build
        uses: actions/setup-node@master
      - run: npm install
      - run: npm run build
      - run: tar -zcvf release.tgz .nuxt static app.js nuxt.config.js package.json
package-lock.json ecosystem.config.js

      # 发布 Release
      - name: Create Release
        id: create_release
        uses: actions/create-release@master
        env:
          GITHUB_TOKEN: ${{ secrets.TOKEN }}
        with:
          tag_name: ${{ github.ref }}
          release_name: Release ${{ github.ref }}
          draft: false
          prerelease: false

      # 上传构建结果到 Release
      - name: Upload Release Asset
        id: upload-release-asset
        uses: actions/upload-release-asset@master
        env:
```

```
          GITHUB_TOKEN: ${{ secrets.TOKEN }}
        with:
          upload_url: ${{ steps.create_release.outputs.upload_url }} # This pulls
from the CREATE RELEASE step above, referencing it's ID to get its outputs
object, which include a `upload_url`. See this blog post for more info:
https://jasonet.co/posts/new-features-of-github-actions/#passing-data-to-future-
steps
          asset_path: ./release.tgz
          asset_name: release.tgz
          asset_content_type: application/x-tgz


      # 部署到服务器
      - name: Deploy
        uses: appleboy/ssh-action@master
        with:
          host: ${{ secrets.HOST }}
          username: ${{ secrets.USERNAME }}
          password: ${{ secrets.PASSWORD }}
          port: ${{ secrets.PORT }}
          script: |
            cd /root/pm2-test
            wget https://github.com/lipengzhou/realworld-
nuxtjs/releases/latest/download/release.tgz -O release.tgz
            tar zxvf release.tgz
            npm install --production
            pm2 reload ecosystem.config.js
```