

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

```
1 # 创建项目目录
2 mkdir realworld-nuxtjs
3
4 # 进入项目目录
5 cd realworld-nuxtjs
6
7 # 生成 package.json 文件
8 npm init -y
9
10 # 安装 nuxt 依赖
11 npm install nuxt
```

在 package.json 中添加启动脚本:

```
1 "scripts": {
2   "dev": "nuxt"
3 }
```

创建 pages/index.vue:

```
1 <template>
2   <div>
3     <h1>Home Page</h1>
4   </div>
5 </template>
6
7 <script>
8 export default {
9   name: 'HomePage'
10 }
11 </script>
12
13 <style>
14
15 </style>
```

启动服务:

```
1 | npm run dev
```

在浏览器中访问 <http://localhost:3000/> 测试。

导入样式资源

app.html :

```
1 | <!DOCTYPE html>
2 | <html {{ HTML_ATTRS }}>
3 |   <head {{ HEAD_ATTRS }}>
4 |     {{ HEAD }}
5 |     <!-- Import Ionicon icons & Google Fonts our Bootstrap theme relies on
6 |     -->
7 |     <link
8 | href="https://cdn.jsdelivr.net/npm/ionicons@2.0.1/css/ionicons.min.css"
9 | rel="stylesheet" type="text/css">
10 |    <link href="//fonts.googleapis.com/css?
11 | family=Titillium+Web:700|Source+Serif+Pro:400,700|Merriweather+Sans:400,700
12 | |Source+Sans+Pro:400,300,600,700,300italic,400italic,600italic,700italic"
13 | rel="stylesheet" type="text/css">
14 |    <!-- Import the custom Bootstrap 4 theme from our hosted CDN -->
15 |    <!-- <link rel="stylesheet" href="//demo.productionready.io/main.css">
16 |    -->
17 |    <link rel="stylesheet" href="/index.css">
18 |  </head>
19 |  <body {{ BODY_ATTRS }}>
20 |    {{ APP }}
21 |  </body>
22 | </html>
```

布局组件

pages/layout/index.vue

```
1 | <template>
2 |   <div>
3 |     <nav class="navbar navbar-light">
4 |       <div class="container">
5 |         <nuxt-link class="navbar-brand" to="/">conduit</nuxt-link>
6 |         <ul class="nav navbar-nav pull-xs-right">
7 |           <li class="nav-item">
8 |             <!-- Add "active" class when you're on that page" -->
9 |             <nuxt-link class="nav-link active" to="/">Home</nuxt-link>
10 |           </li>
11 |           <li class="nav-item">
12 |             <nuxt-link class="nav-link" to="/editor">
13 |               <i class="ion-compose"></i>&nbsp;New Post
14 |             </nuxt-link>
15 |           </li>
16 |           <li class="nav-item">
17 |             <nuxt-link class="nav-link" to="/settings">
```

```

18         <i class="ion-gear-a"></i>&nbsp;Settings
19         </nuxt-link>
20     </li>
21     <li class="nav-item">
22         <nuxt-link class="nav-link" to="/profile/lpz">
23             
24             LPZ
25         </nuxt-link>
26     </li>
27     <li class="nav-item">
28         <nuxt-link class="nav-link" to="/login">
29             Sign in
30         </nuxt-link>
31     </li>
32     <li class="nav-item">
33         <nuxt-link class="nav-link" to="/register">
34             Sign up
35         </nuxt-link>
36     </li>
37 </ul>
38 </div>
39 </nav>
40 <nuxt-child />
41 <footer>
42     <div class="container">
43         <nuxt-link class="logo-font" to="/">conduit</nuxt-link>
44         <span class="attribution">
45             An interactive learning project from <a
href="https://kaiwu.lagou.com/">lagou</a>. Code & design licensed under
MIT.
46         </span>
47     </div>
48 </footer>
49 </div>
50 </template>
51
52 <script>
53 export default {
54     name: 'LayoutIndex'
55 }
56 </script>
57
58 <style>
59
60 </style>
61

```

登录注册

pages/login.vue

```

1 <template>
2   <div class="auth-page">
3     <div class="container page">

```

```

4       <div class="row">
5
6       <div class="col-md-6 offset-md-3 col-xs-12">
7         <h1 class="text-xs-center">{{ isLogin ? 'Sign in' : 'Sign up' }}
8       </h1>
9         <p class="text-xs-center">
10           <nuxt-link v-if="isLogin" to="/register">Need an account?
11         </nuxt-link>
12           <nuxt-link v-else to="/login">Have an account?</nuxt-link>
13         </p>
14
15         <ul class="error-messages">
16           <li>That email is invalid.</li>
17         </ul>
18
19         <form>
20           <fieldset v-if="!isLogin" class="form-group">
21             <input class="form-control form-control-lg" type="text"
22               placeholder="Your Name">
23           </fieldset>
24           <fieldset class="form-group">
25             <input class="form-control form-control-lg" type="email"
26               placeholder="Email">
27           </fieldset>
28           <fieldset class="form-group">
29             <input class="form-control form-control-lg" type="password"
30               placeholder="Password">
31           </fieldset>
32           <button class="btn btn-lg btn-primary pull-xs-right">
33             {{ isLogin ? 'Sign in' : 'Sign up' }}
34           </button>
35         </form>
36       </div>
37     </div>
38   </div>
39 </template>
40
41 <script>
42 export default {
43   name: 'LoginIndex',
44   asyncData () {
45     },
46   data () {
47     return {}
48   },
49   computed: {
50     isLogin () {
51       return this.$route.path === '/login'
52     }
53   }
54 }
55 </script>
56
57 <style>
58
59 </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

```

1  <div class="home-page">
2
3    <div class="banner">
4      <div class="container">
5        <h1 class="logo-font">conduit</h1>
6        <p>A place to share your knowledge.</p>
7      </div>
8    </div>
9
10   <div class="container page">
11     <div class="row">
12
13       <div class="col-md-9">
14         <div class="feed-toggle">
15           <ul class="nav nav-pills outline-active">
16             <li class="nav-item">
17               <a class="nav-link disabled" href="">Your Feed</a>
18             </li>
19             <li class="nav-item">
20               <a class="nav-link active" href="">Global Feed</a>
21             </li>
22           </ul>
23         </div>
24
25         <div class="article-preview">
26           <div class="article-meta">
27             <a href="profile.html"></a>
28           <div class="info">
```

```

29     <a href="" class="author">Eric Simons</a>
30     <span class="date">January 20th</span>
31 </div>
32 <button class="btn btn-outline-primary btn-sm pull-xs-right">
33     <i class="ion-heart"></i> 29
34 </button>
35 </div>
36 <a href="" class="preview-link">
37     <h1>How to build webapps that scale</h1>
38     <p>This is the description for the post.</p>
39     <span>Read more...</span>
40 </a>
41 </div>
42
43 <div class="article-preview">
44     <div class="article-meta">
45         <a href="profile.html"></a>
46         <div class="info">
47             <a href="" class="author">Albert Pai</a>
48             <span class="date">January 20th</span>
49         </div>
50         <button class="btn btn-outline-primary btn-sm pull-xs-right">
51             <i class="ion-heart"></i> 32
52         </button>
53     </div>
54     <a href="" class="preview-link">
55         <h1>The song you won't ever stop singing. No matter how hard
you try.</h1>
56         <p>This is the description for the post.</p>
57         <span>Read more...</span>
58     </a>
59 </div>
60
61 </div>
62
63 <div class="col-md-3">
64     <div class="sidebar">
65         <p>Popular Tags</p>
66
67         <div class="tag-list">
68             <a href="" class="tag-pill tag-default">programming</a>
69             <a href="" class="tag-pill tag-default">javascript</a>
70             <a href="" class="tag-pill tag-default">emberjs</a>
71             <a href="" class="tag-pill tag-default">angularjs</a>
72             <a href="" class="tag-pill tag-default">react</a>
73             <a href="" class="tag-pill tag-default">mean</a>
74             <a href="" class="tag-pill tag-default">node</a>
75             <a href="" class="tag-pill tag-default">rails</a>
76         </div>
77     </div>
78 </div>
79
80 </div>
81 </div>
82
83 </div>

```

用户页面

```
1 <div class="profile-page">
2
3   <div class="user-info">
4     <div class="container">
5       <div class="row">
6
7         <div class="col-xs-12 col-md-10 offset-md-1">
8           
9           <h4>Eric Simons</h4>
10          <p>
11            Cofounder @GoThinkster, lived in AOL's HQ for a few months,
12            kinda looks like Peeta from the Hunger Games
13          </p>
14          <button class="btn btn-sm btn-outline-secondary action-btn">
15            <i class="ion-plus-round"></i>
16            &nbsp; Follow Eric Simons
17          </button>
18        </div>
19      </div>
20    </div>
21  </div>
22 </div>
23
24 <div class="container">
25   <div class="row">
26
27     <div class="col-xs-12 col-md-10 offset-md-1">
28       <div class="articles-toggle">
29         <ul class="nav nav-pills outline-active">
30           <li class="nav-item">
31             <a class="nav-link active" href="">My Articles</a>
32           </li>
33           <li class="nav-item">
34             <a class="nav-link" href="">Favorited Articles</a>
35           </li>
36         </ul>
37       </div>
38
39       <div class="article-preview">
40         <div class="article-meta">
41           <a href=""></a>
42           <div class="info">
43             <a href="" class="author">Eric Simons</a>
44             <span class="date">January 20th</span>
45           </div>
46           <button class="btn btn-outline-primary btn-sm pull-xs-right">
47             <i class="ion-heart"></i> 29
48           </button>
49         </div>
50         <a href="" class="preview-link">
51           <h1>How to build webapps that scale</h1>
52           <p>This is the description for the post.</p>
```



```

53         <span>Read more...</span>
54     </a>
55 </div>
56
57     <div class="article-preview">
58         <div class="article-meta">
59             <a href=""></a>
60             <div class="info">
61                 <a href="" class="author">Albert Pai</a>
62                 <span class="date">January 20th</span>
63             </div>
64             <button class="btn btn-outline-primary btn-sm pull-xs-right">
65                 <i class="ion-heart"></i> 32
66             </button>
67         </div>
68         <a href="" class="preview-link">
69             <h1>The song you won't ever stop singing. No matter how hard
you try.</h1>
70             <p>This is the description for the post.</p>
71             <span>Read more...</span>
72             <ul class="tag-list">
73                 <li class="tag-default tag-pill tag-outline">Music</li>
74                 <li class="tag-default tag-pill tag-outline">Song</li>
75             </ul>
76         </a>
77     </div>
78
79
80 </div>
81
82 </div>
83 </div>
84
85 </div>

```

用户设置

```

1  <div class="settings-page">
2      <div class="container page">
3          <div class="row">
4
5              <div class="col-md-6 offset-md-3 col-xs-12">
6                  <h1 class="text-xs-center">Your Settings</h1>
7
8                  <form>
9                      <fieldset>
10                         <fieldset class="form-group">
11                             <input class="form-control" type="text" placeholder="URL of
profile picture">
12                         </fieldset>
13                         <fieldset class="form-group">
14                             <input class="form-control form-control-lg" type="text"
placeholder="Your Name">
15                         </fieldset>
16                         <fieldset class="form-group">
17                             <textarea class="form-control form-control-lg" rows="8"
placeholder="Short bio about you"></textarea>

```



```

18         </fieldset>
19         <fieldset class="form-group">
20             <input class="form-control form-control-lg" type="text"
placeholder="Email">
21         </fieldset>
22         <fieldset class="form-group">
23             <input class="form-control form-control-lg" type="password"
placeholder="Password">
24         </fieldset>
25         <button class="btn btn-lg btn-primary pull-xs-right">
26             Update Settings
27         </button>
28     </fieldset>
29 </form>
30 </div>
31
32 </div>
33 </div>
34 </div>

```

创建文章

```

1 <div class="editor-page">
2     <div class="container page">
3         <div class="row">
4
5             <div class="col-md-10 offset-md-1 col-xs-12">
6                 <form>
7                     <fieldset>
8                         <fieldset class="form-group">
9                             <input type="text" class="form-control form-control-lg"
placeholder="Article Title">
10                        </fieldset>
11                        <fieldset class="form-group">
12                            <input type="text" class="form-control" placeholder="What's
this article about?">
13                        </fieldset>
14                        <fieldset class="form-group">
15                            <textarea class="form-control" rows="8" placeholder="Write
your article (in markdown)"></textarea>
16                        </fieldset>
17                        <fieldset class="form-group">
18                            <input type="text" class="form-control" placeholder="Enter
tags"><div class="tag-list"></div>
19                        </fieldset>
20                        <button class="btn btn-lg pull-xs-right btn-primary"
type="button">
21                            Publish Article
22                        </button>
23                    </fieldset>
24                </form>
25            </div>
26
27        </div>
28    </div>
29 </div>

```

文章详情

```
1 <div class="article-page">
2
3   <div class="banner">
4     <div class="container">
5
6       <h1>How to build webapps that scale</h1>
7
8       <div class="article-meta">
9         <a href=""></a>
10        <div class="info">
11          <a href="" class="author">Eric Simons</a>
12          <span class="date">January 20th</span>
13        </div>
14        <button class="btn btn-sm btn-outline-secondary">
15          <i class="ion-plus-round"></i>
16          &nbsp;
17          Follow Eric Simons <span class="counter">(10)</span>
18        </button>
19        &nbsp;&nbsp;&nbsp;
20        <button class="btn btn-sm btn-outline-primary">
21          <i class="ion-heart"></i>
22          &nbsp;
23          Favorite Post <span class="counter">(29)</span>
24        </button>
25      </div>
26
27    </div>
28  </div>
29
30  <div class="container page">
31
32    <div class="row article-content">
33      <div class="col-md-12">
34        <p>
35          web development technologies have evolved at an incredible clip
36          over the past few years.
37        </p>
38        <h2 id="introducing-ionic">Introducing RealWorld.</h2>
39        <p>It's a great solution for learning how other frameworks work.
40      </p>
41    </div>
42
43    <hr />
44
45    <div class="article-actions">
46      <div class="article-meta">
47        <a href="profile.html"></a>
49        <div class="info">
50          <a href="" class="author">Eric Simons</a>
51          <span class="date">January 20th</span>
52        </div>
53      </div>
54      <button class="btn btn-sm btn-outline-secondary">
```

```

53     <i class="ion-plus-round"></i>
54     &nbsp;
55     Follow Eric Simons <span class="counter">(10)</span>
56 </button>
57 &nbsp;
58 <button class="btn btn-sm btn-outline-primary">
59     <i class="ion-heart"></i>
60     &nbsp;
61     Favorite Post <span class="counter">(29)</span>
62 </button>
63 </div>
64 </div>
65
66 <div class="row">
67
68     <div class="col-xs-12 col-md-8 offset-md-2">
69
70         <form class="card comment-form">
71             <div class="card-block">
72                 <textarea class="form-control" placeholder="write a
73 comment..." rows="3"></textarea>
74             </div>
75             <div class="card-footer">
76                 
78                 <button class="btn btn-sm btn-primary">
79                     Post Comment
80                 </button>
81             </div>
82         </form>
83
84         <div class="card">
85             <div class="card-block">
86                 <p class="card-text">with supporting text below as a natural
87 lead-in to additional content.</p>
88             </div>
89             <div class="card-footer">
90                 <a href="" class="comment-author">
91                     
93                     </a>
94                     &nbsp;
95                     <a href="" class="comment-author">Jacob Schmidt</a>
96                     <span class="date-posted">Dec 29th</span>
97                 </div>
98             </div>
99
100             <div class="card">
101                 <div class="card-block">
102                     <p class="card-text">with supporting text below as a natural
103 lead-in to additional content.</p>
104                 </div>
105                 <div class="card-footer">
106                     <a href="" class="comment-author">
107                         
109                         </a>
110                         &nbsp;

```

```

105     <a href="" class="comment-author">Jacob Schmidt</a>
106     <span class="date-posted">Dec 29th</span>
107     <span class="mod-options">
108         <i class="ion-edit"></i>
109         <i class="ion-trash-a"></i>
110     </span>
111 </div>
112 </div>
113
114 </div>
115
116 </div>
117
118 </div>
119
120 </div>

```

处理顶部导航链接

```

1  <template>
2    <div>
3      <!-- 顶部导航栏 -->
4      <nav class="navbar navbar-light">
5        <div class="container">
6          <!-- <a class="navbar-brand" href="index.html">conduit</a> -->
7          <nuxt-link
8            class="navbar-brand"
9            to="/"
10          >Home</nuxt-link>
11          <ul class="nav navbar-nav pull-xs-right">
12            <li class="nav-item">
13              <!-- Add "active" class when you're on that page -->
14              <!-- <a class="nav-link active" href="">Home</a> -->
15              <nuxt-link
16                class="nav-link active"
17                to="/"
18              >Home</nuxt-link>
19            </li>
20            <li class="nav-item">
21              <nuxt-link
22                class="nav-link"
23                to="/editor"
24              >
25                <i class="ion-compose"></i>&nbsp;New Post
26              </nuxt-link>
27            </li>
28            <li class="nav-item">
29              <nuxt-link
30                class="nav-link"
31                to="/settings"
32              >
33                <i class="ion-gear-a"></i>&nbsp;Settings
34              </nuxt-link>
35            </li>
36            <li class="nav-item">
37              <nuxt-link

```

```

38         class="nav-link"
39         to="/login"
40     >
41         sign in
42     </nuxt-link>
43 </li>
44 <li class="nav-item">
45     <nuxt-link
46         class="nav-link"
47         to="/register"
48     >
49         sign up
50     </nuxt-link>
51 </li>
52 <li class="nav-item">
53     <nuxt-link class="nav-link" to="/profile/123">
54         
55         1pz999
56     </nuxt-link>
57 </li>
58 </ul>
59 </div>
60 </nav>
61 <!-- /顶部导航栏 -->
62
63 <!-- 子路由 -->
64 <nuxt-child/>
65 <!-- /子路由 -->
66
67 <!-- 底部 -->
68 <footer>
69     <div class="container">
70         <a href="/" class="logo-font">conduit</a>
71         <span class="attribution">
72             An interactive learning project from <a
href="https://thinkster.io">Thinkster</a>. Code & design licensed under
MIT.
73         </span>
74     </div>
75 </footer>
76 <!-- /底部 -->
77 </div>
78 </template>
79
80 <script>
81 export default {
82     name: 'LayoutIndex'
83 }
84 </script>
85
86 <style>
87
88 </style>
89

```

处理导航链接高亮

封装请求模块

安装 axios:

```
1 | npm i axios
```

utils/request.js

```
1 | import axios from 'axios'
2 |
3 | const request = axios.create({
4 |   baseURL: 'https://conduit.productionready.io/'
5 | })
6 |
7 | export default request
8 |
```

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

```
1 | import Vue from 'vue'
2 | import Vuex from 'vuex'
3 |
4 | Vue.use(Vuex)
5 |
6 | export default () => {
7 |   return new Vuex.Store({
8 |     state: {
9 |       user: null
10 |     },
11 |     mutations: {
12 |       setUser (state, user) {
13 |         state.user = user
14 |       }
15 |     },
16 |     actions: {}
17 |   })
18 | }
```

```
17 |   })
18 |   }
19 |
```

(2) 登录成功，将用户信息存入容器

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

(3) 将登录状态持久化到 Cookie 中

安装 js-cookie

```
1 | npm i js-cookie
```

```
1 | const Cookie = process.client ? require('js-cookie') : undefined
2 |
3 | Cookie.set('user', data.user)
```

(4) 从 Cookie 中获取并初始化用户登录状态

安装 cookieparser

```
1 | npm i cookieparser
```

store/index.js

```
1 | actions: {
2 |   nuxtServerInit ({ commit }, { req }) {
3 |     let user = null
4 |     if (req.headers.cookie) {
5 |       // 将请求头中的 Cookie 字符串解析为一个对象
6 |       const parsed = cookieparser.parse(req.headers.cookie)
7 |       try {
8 |         // 将 user 还原为 JavaScript 对象
9 |         user = JSON.parse(parsed.user)
10 |      } catch (err) {
11 |        // No valid cookie found
12 |      }
13 |    }
14 |    commit('setUser', user)
15 |  }
16 | }
```

处理页面访问权限

middleware/auth.js


```
1 export default function ({ store, redirect }) {  
2   // If the user is not authenticated  
3   if (!store.state.user) {  
4     return redirect('/login')  
5   }  
6 }  
7
```

middlewares/not-auth.js

```
1 export default function ({ store, redirect }) {  
2   // 已登录状态不允许访问  
3   if (store.state.user) {  
4     return redirect('/')  
5   }  
6 }  
7
```

在需要判断登录权限的页面中配置使用中间件。

```
1 export default {  
2   ...  
3   middleware: ['auth']  
4 }
```