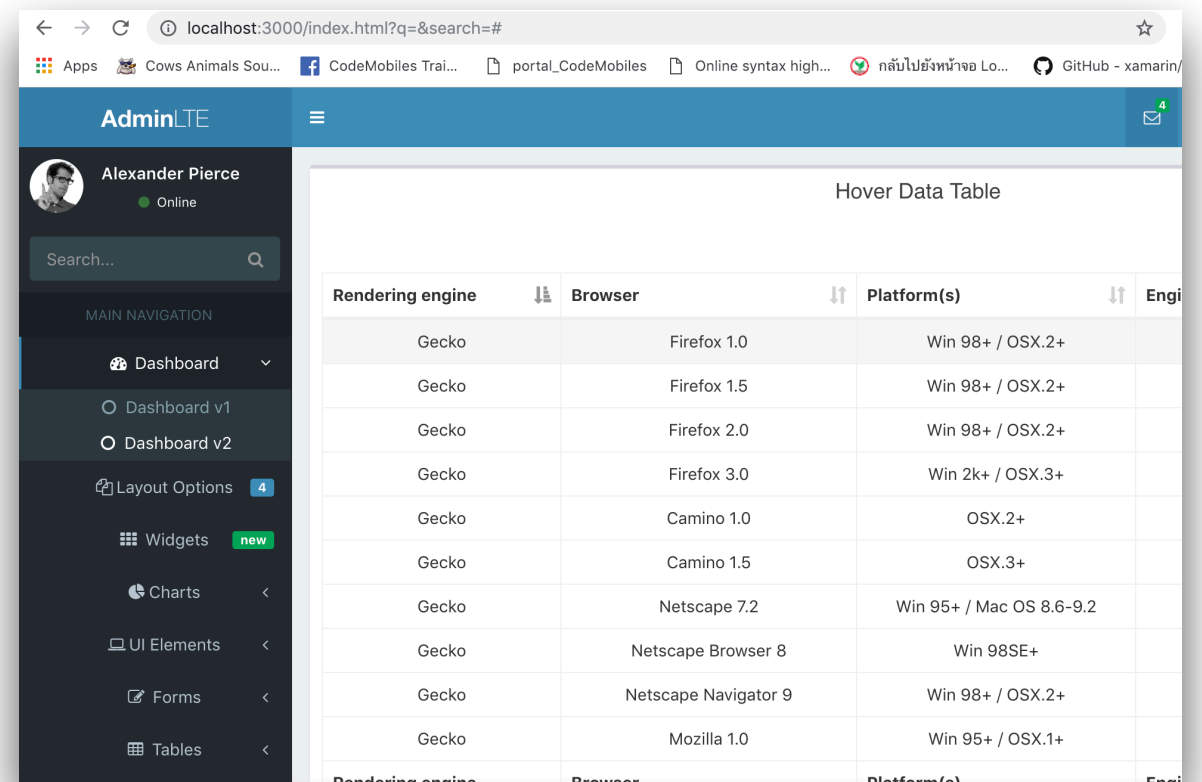


AdminLTE 2.4.x
ReactJS

CodeMobiles


GuideLines

1. Create ReactApp [create-react-app react-admin-lte-demo]
2. Download AdminLTE 2.4
3. Copy folders “bower_components, dist and plugins” into public folder of react project.
4. Copy javascript and css calls from the index2.html of adminLTE project that you downloaded
5. Edit path to call JS and CSS to under %PUBLIC_URL%
6. Create Header, Menu, Footer and Content component
7. Copy html source of header, menu, footer from index2.html into each component
8. Call each components into App.js (Root component)
9. Define <div> for content-wrapper between menu and footer component
10. In content-wrapper <div>, call your target component that you want. For ex: tables, charts



Step #1

Create React Project



```
chaiyasits-MacBook-Pro-3:workshops chaiyasit$ create-react-app react-admin-lte-demo

Creating a new React app in /Training/ReactJS_Training/workshops/react-admin-lte-demo

Installing packages. This might take a couple of minutes.
Installing react, react-dom, and react-scripts...

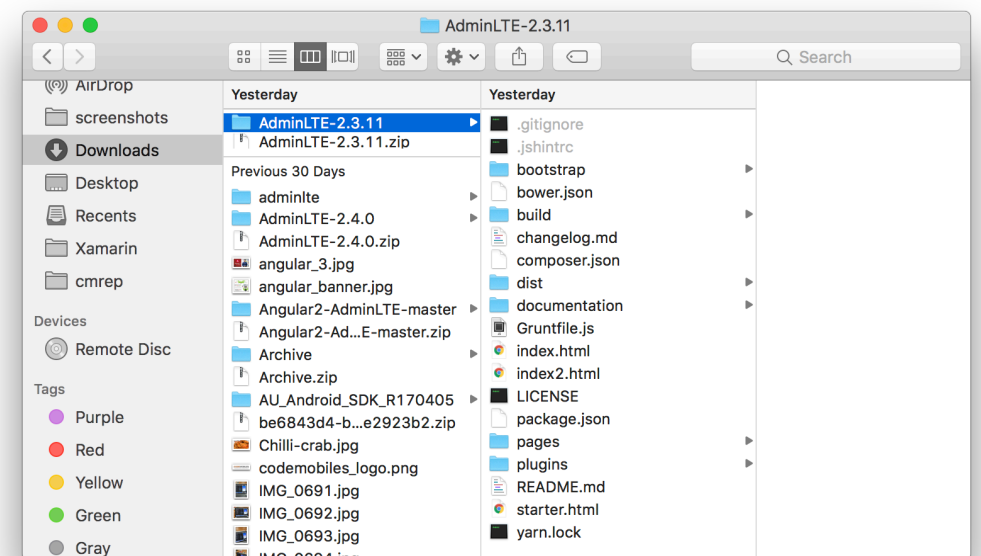
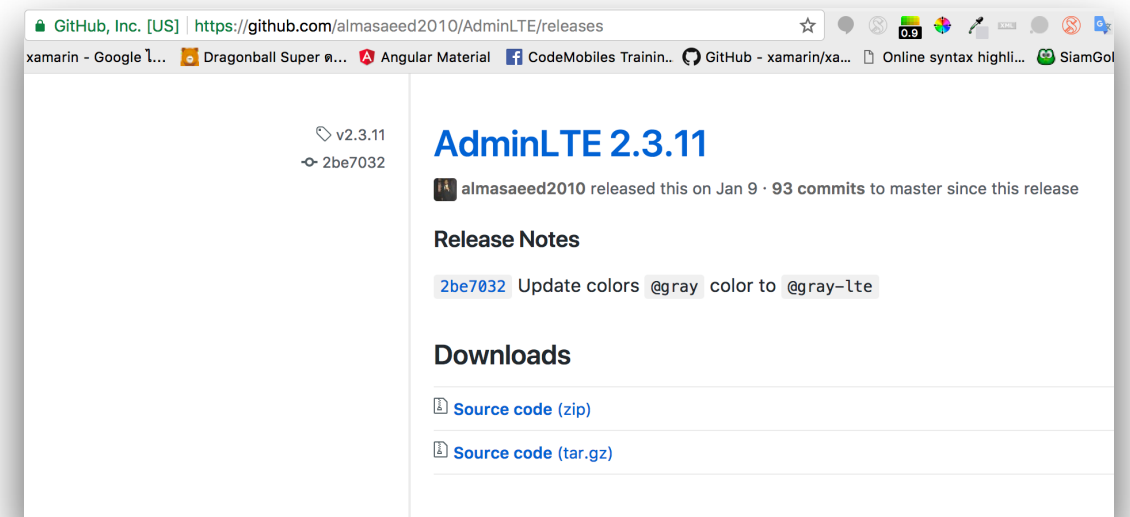
yarn add v1.12.3
[1/4] 🔍 Resolving packages...
[2/4] 🚚 Fetching packages...
[3/4] 🔗 Linking dependencies...
[#####-----]
```

Step #2

Download AdminLTE Template

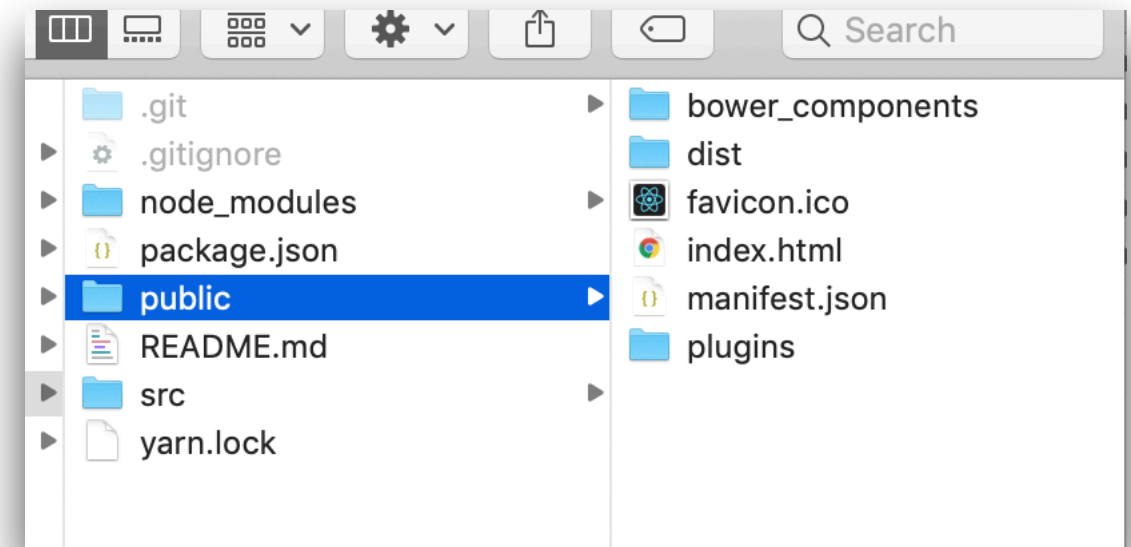
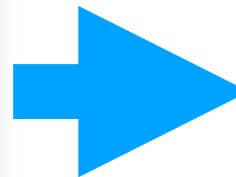
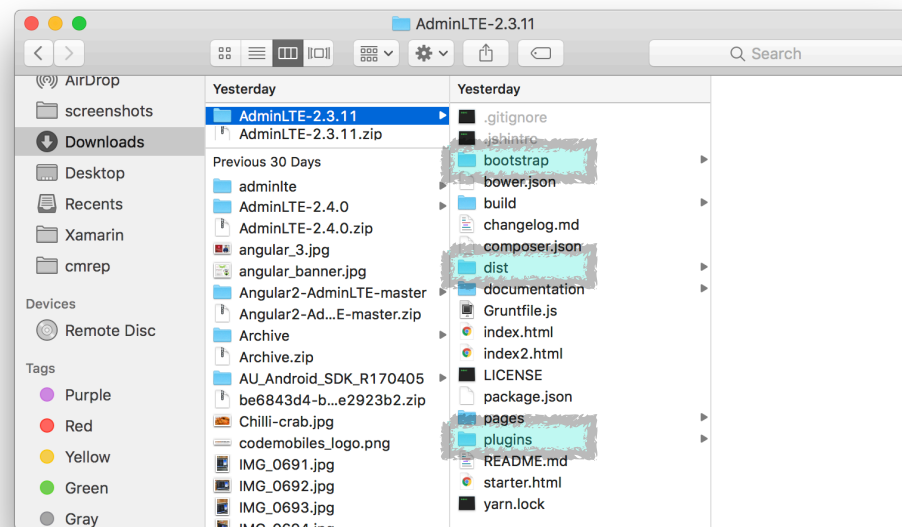
[https://github.com/
almasaeed2010/AdminLTE/
releases](https://github.com/almasaeed2010/AdminLTE/releases)

remark: This guideline was made
and tested for version 2.3 only



Step #3

Copy into public folder

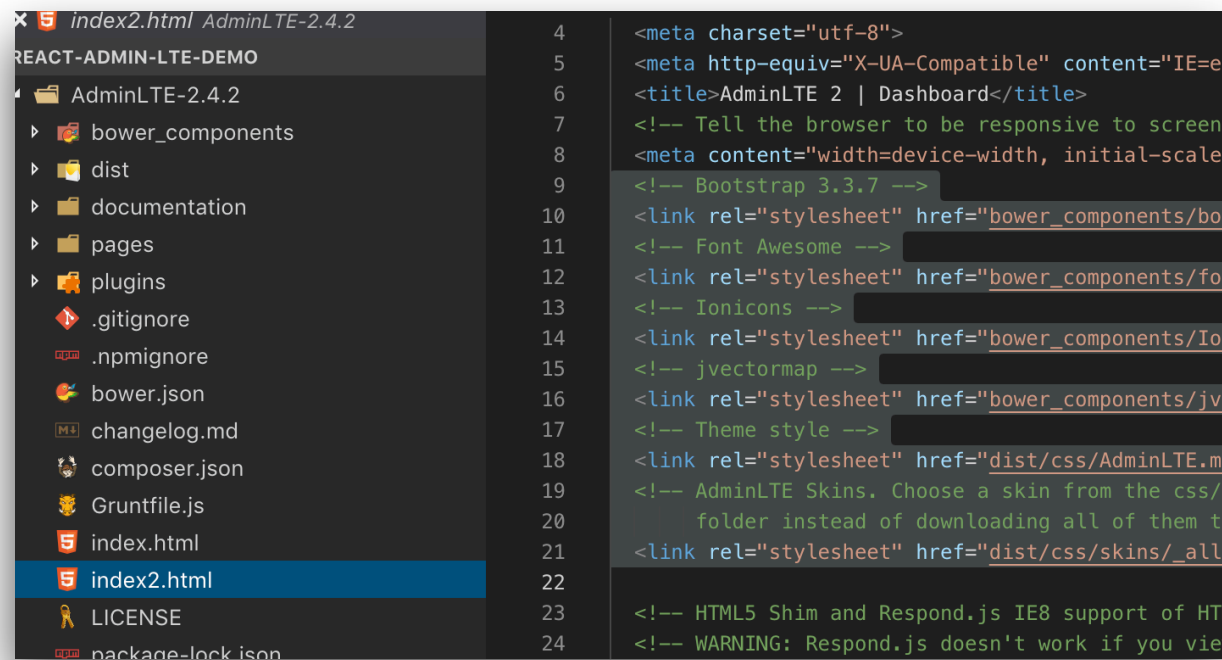


Step #4/1

Copy **CSS** from index2.html of AdminLTE

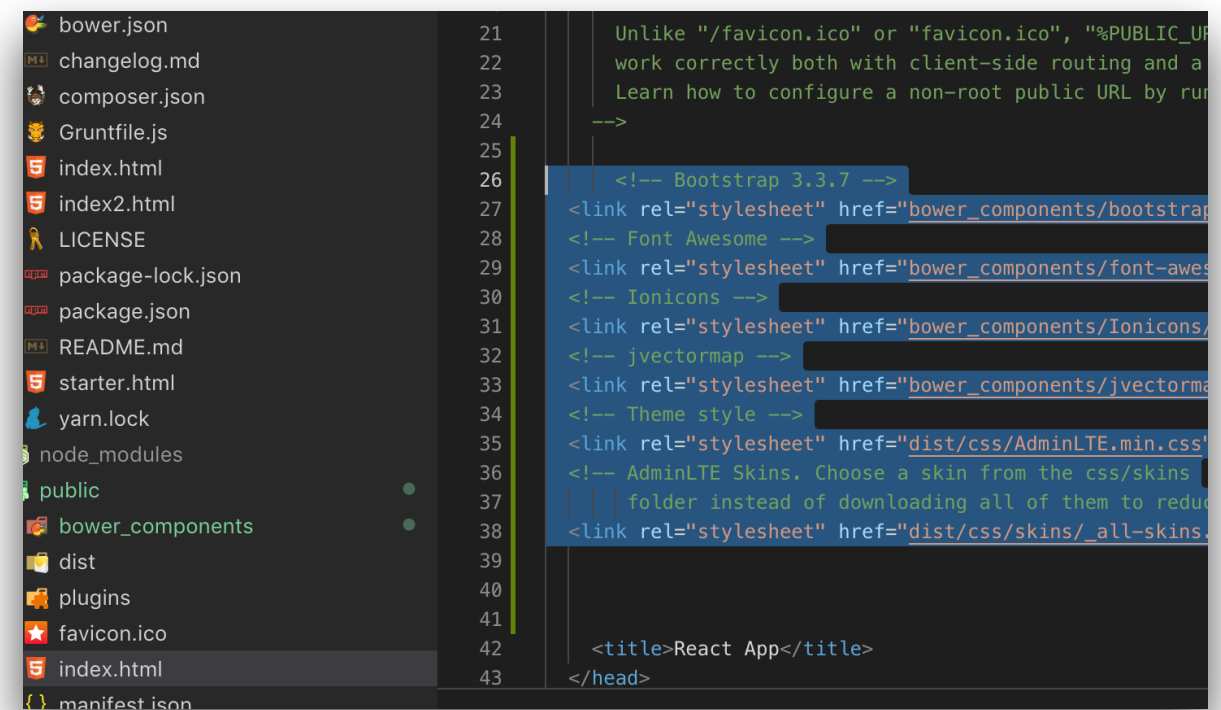
--->

index.html of React Proj. (Top Section)



The screenshot shows the file explorer for the AdminLTE-2.4.2 project. The 'index2.html' file is selected. The code in the editor shows the head section of the HTML document, including meta tags for charset and http-equiv, a title, and several CSS links. The CSS links are for Bootstrap 3.3.7, Font Awesome, Ionicons, jvectormap, and the AdminLTE theme style. The theme style link is highlighted in blue.

```
4 <meta charset="utf-8">
5 <meta http-equiv="X-UA-Compatible" content="IE=edge">
6 <title>AdminLTE 2 | Dashboard</title>
7 <!-- Tell the browser to be responsive to screen width -->
8 <meta content="width=device-width, initial-scale=1">
9 <!-- Bootstrap 3.3.7 -->
10 <link rel="stylesheet" href="bower_components/bootstrap/dist/css/bootstrap.min.css">
11 <!-- Font Awesome -->
12 <link rel="stylesheet" href="bower_components/font-awesome/css/font-awesome.min.css">
13 <!-- Ionicons -->
14 <link rel="stylesheet" href="bower_components/ionicons/css/ionicons.min.css">
15 <!-- jvectormap -->
16 <link rel="stylesheet" href="bower_components/jvectormap/jquery-jvectormap.css">
17 <!-- Theme style -->
18 <link rel="stylesheet" href="dist/css/AdminLTE.min.css">
19 <!-- AdminLTE Skins. Choose a skin from the css/ folder instead of downloading all of them to reduce the size -->
20 <link rel="stylesheet" href="dist/css/skins/_all-skins.min.css">
21
22 <!-- HTML5 Shim and Respond.js IE8 support of HTML5 elements and media queries -->
23 <!-- WARNING: Respond.js doesn't work if you view the page via http:// -->
```



The screenshot shows the file explorer for the React project. The 'index.html' file is selected. The code in the editor shows the head section of the HTML document, including meta tags for charset and http-equiv, a title, and several CSS links. The CSS links are for Bootstrap 3.3.7, Font Awesome, Ionicons, jvectormap, and the AdminLTE theme style. The theme style link is highlighted in blue.

```
21 Unlike "/favicon.ico" or "favicon.ico", "%PUBLIC_URL%"
22 work correctly both with client-side routing and a
23 Learn how to configure a non-root public URL by running
24 -->
25
26 <!-- Bootstrap 3.3.7 -->
27 <link rel="stylesheet" href="bower_components/bootstrap/dist/css/bootstrap.min.css">
28 <!-- Font Awesome -->
29 <link rel="stylesheet" href="bower_components/font-awesome/css/font-awesome.min.css">
30 <!-- Ionicons -->
31 <link rel="stylesheet" href="bower_components/ionicons/css/ionicons.min.css">
32 <!-- jvectormap -->
33 <link rel="stylesheet" href="bower_components/jvectormap/jquery-jvectormap.css">
34 <!-- Theme style -->
35 <link rel="stylesheet" href="dist/css/AdminLTE.min.css">
36 <!-- AdminLTE Skins. Choose a skin from the css/ folder instead of downloading all of them to reduce the size -->
37 <link rel="stylesheet" href="dist/css/skins/_all-skins.min.css">
38
39
40
41 <title>React App</title>
42
43 </head>
```

AdminLTE
index2.html

React
index.html

Step #4/2

Copy **javascript** from index2.html of AdminLTE

--->

index.html of React Proj. (Bottom Section)

```
1548
1549 <!-- jQuery 3 -->
1550 <script src="bower_components/jquery/dist/jquery.min.js"></script>
1551 <!-- Bootstrap 3.3.7 -->
1552 <script src="bower_components/bootstrap/dist/js/bootstrap.min.js"></script>
1553 <!-- FastClick -->
1554 <script src="bower_components/fastclick/lib/fastclick.js"></script>
1555 <!-- AdminLTE App -->
1556 <script src="dist/js/adminlte.min.js"></script>
1557 <!-- Sparkline -->
1558 <script src="bower_components/jquery-sparkline/dist/jquery.sparkline.min.js"></script>
1559 <!-- jvectormap -->
1560 <script src="plugins/jvectormap/jquery-jvectormap-1.2.2.min.js"></script>
1561 <script src="plugins/jvectormap/jquery-jvectormap-world-mill-en.js"></script>
1562 <!-- SlimScroll -->
1563 <script src="bower_components/jquery-slimscroll/jquery.slimscroll.min.js"></script>
1564 <!-- ChartJS -->
1565 <script src="bower_components/Chart.js/Chart.js"></script>
1566 <!-- AdminLTE dashboard demo (This is only for demo purposes) -->
1567 <script src="dist/js/pages/dashboard2.js"></script>
```



```
56
57
58 <!-- jQuery 3 -->
59 <script src="bower_components/jquery/dist/jquery.min.js"></script>
60 <!-- Bootstrap 3.3.7 -->
61 <script src="bower_components/bootstrap/dist/js/bootstrap.min.js"></script>
62 <!-- FastClick -->
63 <script src="bower_components/fastclick/lib/fastclick.js"></script>
64 <!-- AdminLTE App -->
65 <script src="dist/js/adminlte.min.js"></script>
66 <!-- Sparkline -->
67 <script src="bower_components/jquery-sparkline/dist/jquery.sparkline.min.js"></script>
68 <!-- jvectormap -->
69 <script src="plugins/jvectormap/jquery-jvectormap-1.2.2.min.js"></script>
70 <script src="plugins/jvectormap/jquery-jvectormap-world-mill-en.js"></script>
71 <!-- SlimScroll -->
72 <script src="bower_components/jquery-slimscroll/jquery.slimscroll.min.js"></script>
73 <!-- ChartJS -->
74 <script src="bower_components/Chart.js/Chart.js"></script>
75 </body>
76 </html>
77
```

AdminLTE
index2.html

React
index.html

Step #5/1

Edit **css** path to under %PUBLIC%

```
5 |
6 |     <!-- Bootstrap 3.3.7 -->
7 |     <link rel="stylesheet" href="%PUBLIC_URL%/bower_components/
8 |     <!-- Font Awesome -->
9 |     <link rel="stylesheet" href="%PUBLIC_URL%/bower_components/
10 |    <!-- Icons -->
11 |    <link rel="stylesheet" href="%PUBLIC_URL%/bower_components/
12 |    <!-- jvectormap -->
13 |    <link rel="stylesheet" href="%PUBLIC_URL%/bower_components/
14 |    <!-- Theme style -->
15 |    <link rel="stylesheet" href="%PUBLIC_URL%/dist/css/AdminLTE
16 |    <!-- AdminLTE Skins. Choose a skin from the css/skins
17 |    folder instead of downloading all of them to reduce t
18 |    <link rel="stylesheet" href="%PUBLIC_URL%/dist/css/skins/_
```


Step #5/2

Edit **css** path to under %PUBLIC%

```
56      -->
57
58      <!-- jQuery 3 -->
59      <script src="%PUBLIC_URL%/bower_components/jquery/dist/jquery.min.js"></script>
60      <!-- Bootstrap 3.3.7 -->
61      <script src="%PUBLIC_URL%/bower_components/bootstrap/dist/js/bootstrap.min.js"></script>
62      <!-- FastClick -->
63      <script src="%PUBLIC_URL%/bower_components/fastclick/lib/fastclick.js"></script>
64      <!-- AdminLTE App -->
65      <script src="%PUBLIC_URL%/dist/js/adminlte.min.js"></script>
66      <!-- Sparkline -->
67      <script src="%PUBLIC_URL%/bower_components/jquery-sparkline/dist/jquery.sparkline.min.js"></script>
68      <!-- jvectormap -->
69      <script src="%PUBLIC_URL%/plugins/jvectormap/jquery-jvectormap-1.2.2.min.js"></script>
70      <script src="%PUBLIC_URL%/plugins/jvectormap/jquery-jvectormap-world-mill-en.js"></script>
71      <!-- SlimScroll -->
72      <script src="%PUBLIC_URL%/bower_components/jquery-slimscroll/jquery.slimscroll.min.js"></script>
73      <!-- ChartJS -->
74      <script src="%PUBLIC_URL%/bower_components/Chart.js/Chart.js"></script>
75      </body>
76      </html>
```

Step #5/2

Add wrapper and theme-class

- Copy class body and `<div class="wrapper"></div>` from index2.html to index.html of react

```
<title>React App</title>
</head>
<body>
  <noscript>You need to enable JavaScript to
  <div id="root"></div>
  <!--
```



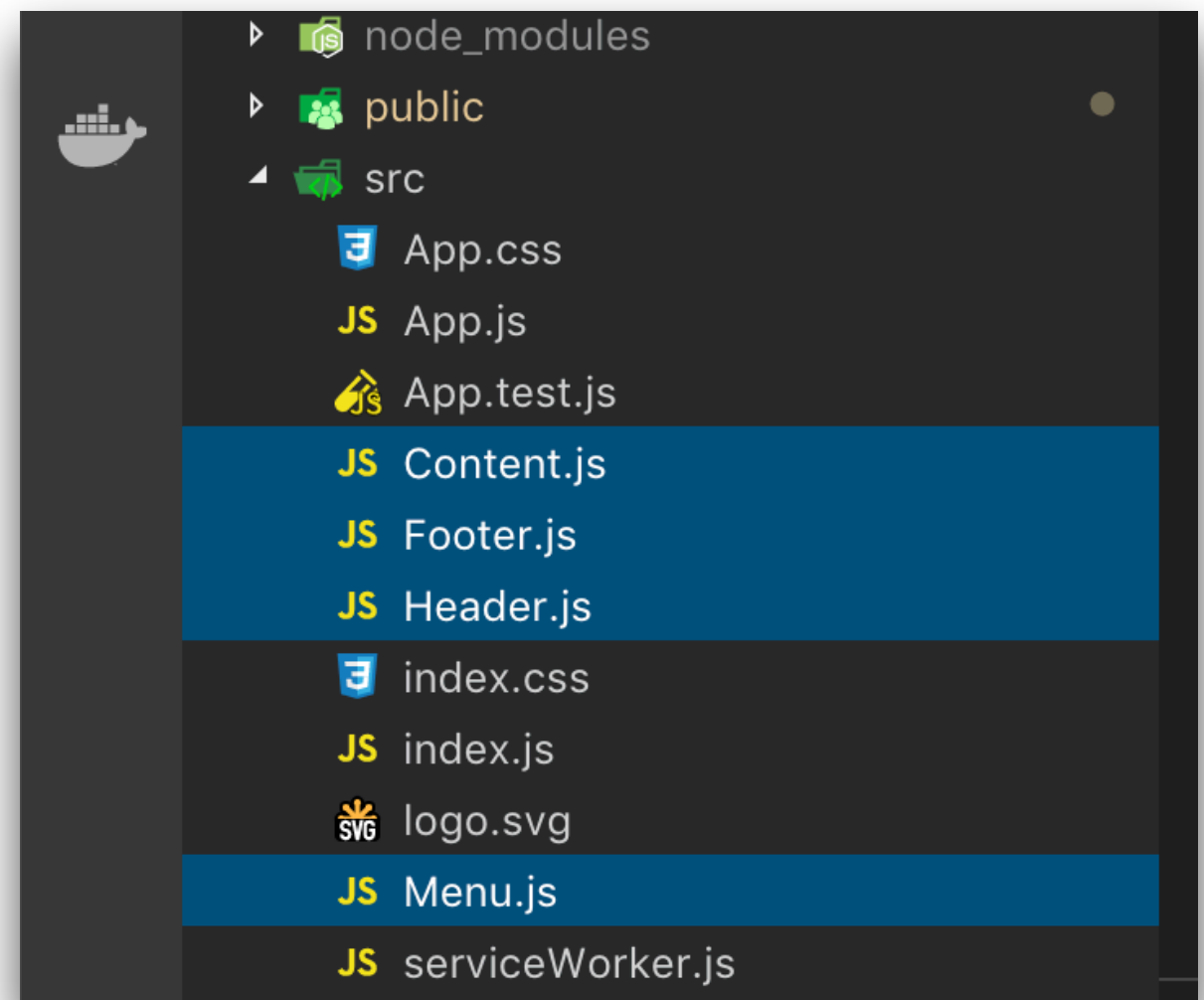
```
41 <title>React App</title>
42 </head>
43 <body class="hold-transition skin-blue sidebar-mini">
44   <noscript>You need to enable JavaScript to run this a
45   <div id="root">
46     <div class="wrapper"></div>
47   </div>
48   <!--
49   This HTML file is a template
```

Step #6

Create Components

Create components

- Header.js
- Menu.js
- Footer.js
- Content.js



Step #7

Copy Html code from Index2.html into components

Copy html from index2.html to match components

– (37–303) → header

find: (<header class="main-header">)

– (305–504) → menu

find: (<aside class="main-sidebar">)

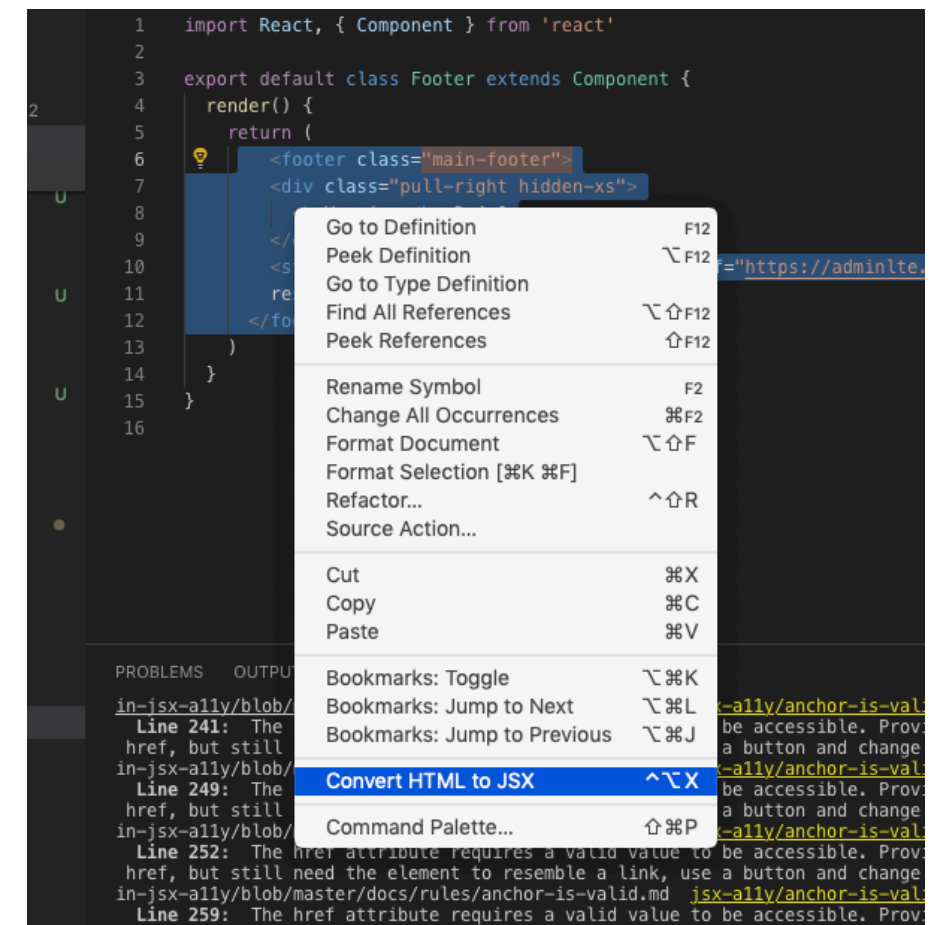
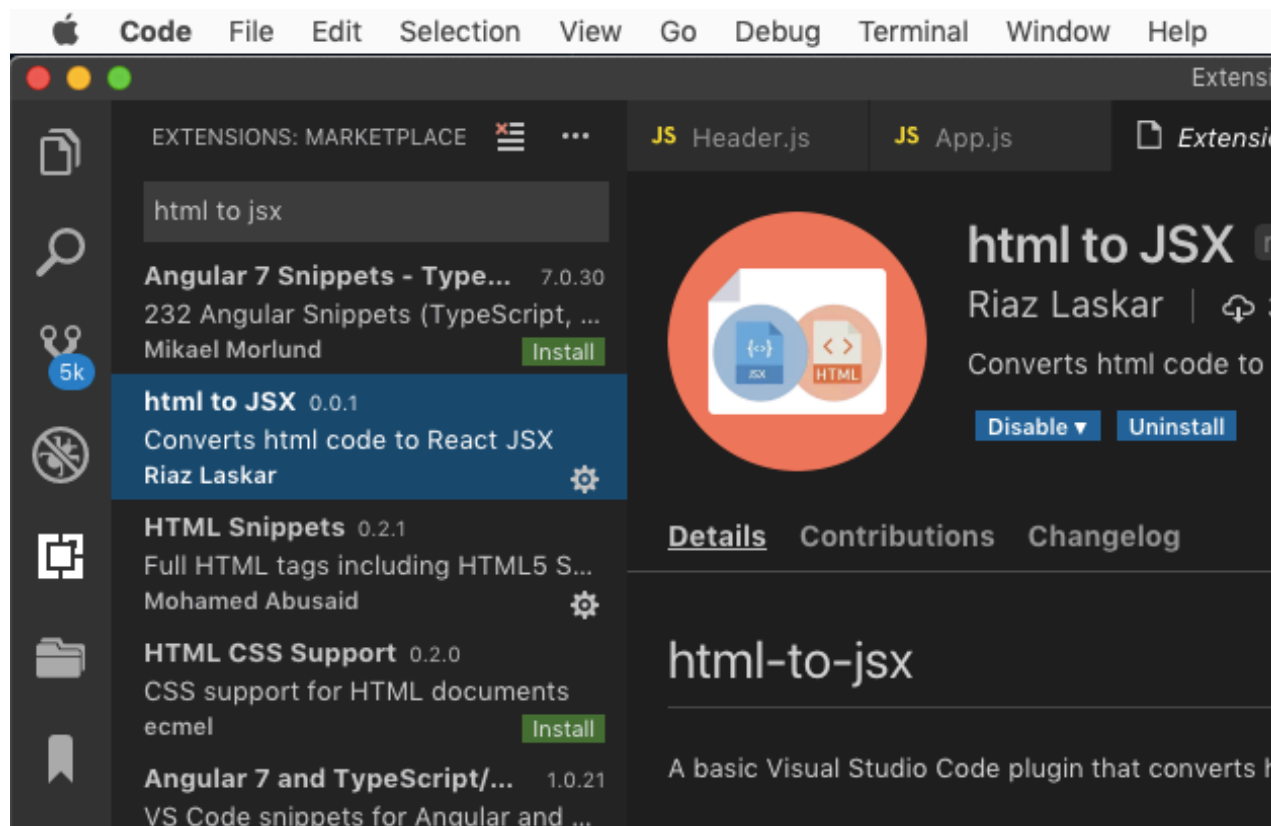
– (1346–1352) → footer

find: (<footer class="main-footer">)

```
26 <script src="https://oss.maxcdn.com/html5shiv/3.7.3/html5shiv.min.js"></script>
27 <script src="https://oss.maxcdn.com/respond/1.4.2/respond.min.js"></script>
28 <![endif]-->
29 </head>
30 <body class="hold-transition skin-blue sidebar-mini">
31 <div class="wrapper">
32
33   <header class="main-header">
295 </header>
296 <!-- Left side column. contains the logo and sidebar
297 <aside class="main-sidebar">
```

Step #8/1

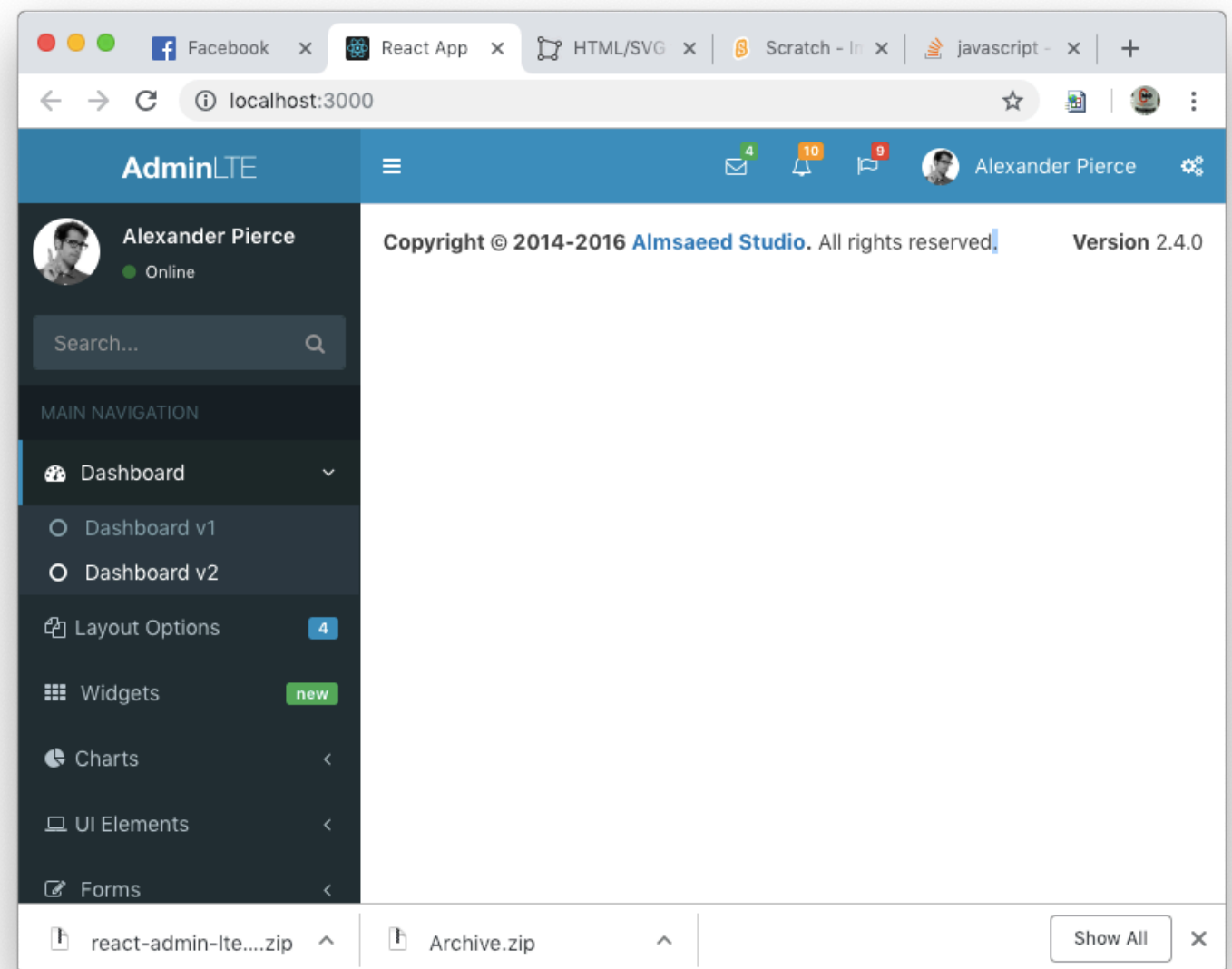
Tool: Convert Html to JSX



Step #8/2

Integrate All Components in App.js

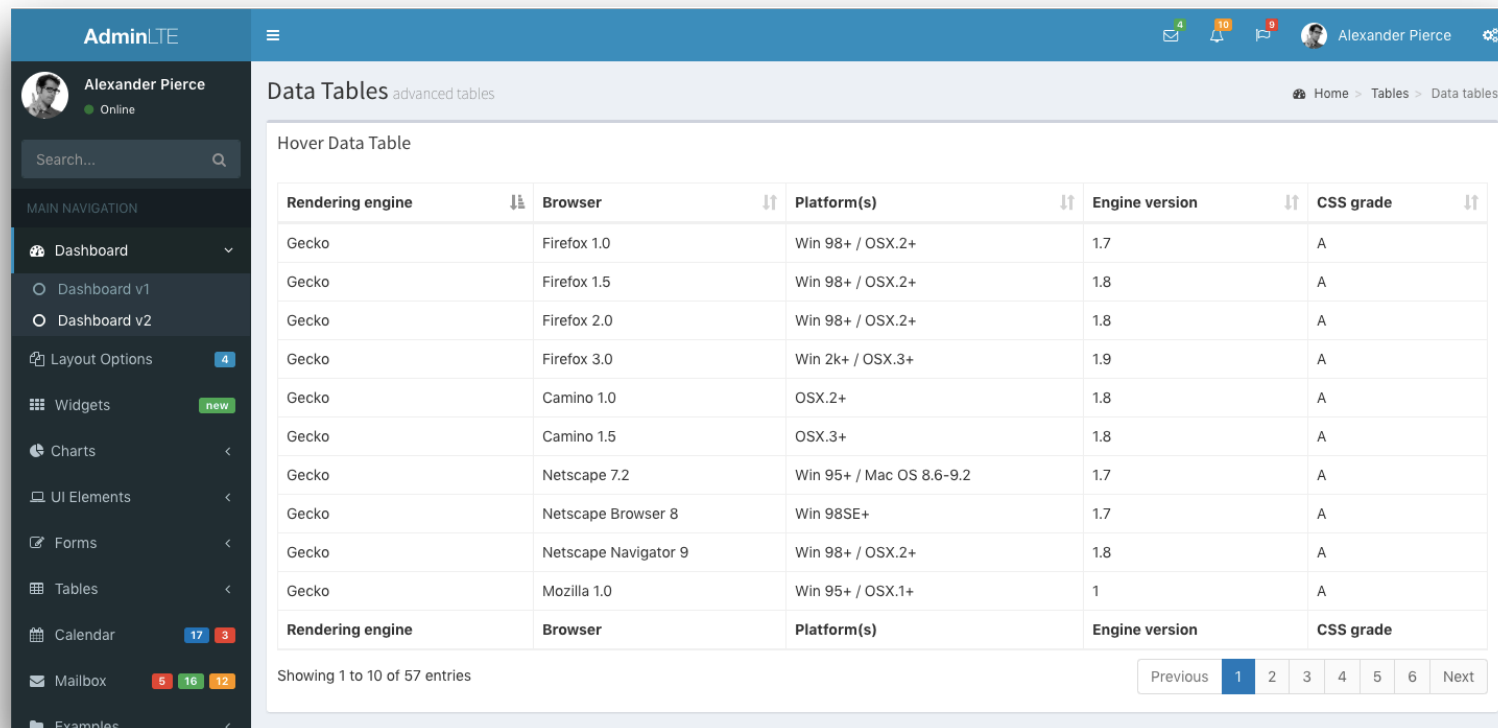
```
4 import Footer from './Footer'
5
6 export default class App {
7   render() {
8     return (
9       <div>
10         <Header/>
11         <Menu/>
12         <Footer/>
13       </div>
14     )
15   }
16 }
17
```



Guideline

Integrate Data-Table

1. Copy data-table code from admin-lte at path 'adminlte/pages/tables/data.html' into react component.
2. Add java and css required for data-table into index.html
3. Create javascript file containing code to setup data-table
4. Call the javascript when the component call componentDidMount function



The screenshot shows the AdminLTE dashboard with a sidebar on the left and a main content area. The sidebar contains a search bar, a user profile for Alexander Pierce, and a main navigation menu with items like Dashboard, Layout Options, Widgets, Charts, UI Elements, Forms, Tables, Calendar, Mailbox, and Examples. The main content area displays a 'Data Tables' section with a 'Hover Data Table'. The table has columns for Rendering engine, Browser, Platform(s), Engine version, and CSS grade. It contains 10 rows of data and a pagination bar at the bottom showing 'Showing 1 to 10 of 57 entries' and a page number '1'.

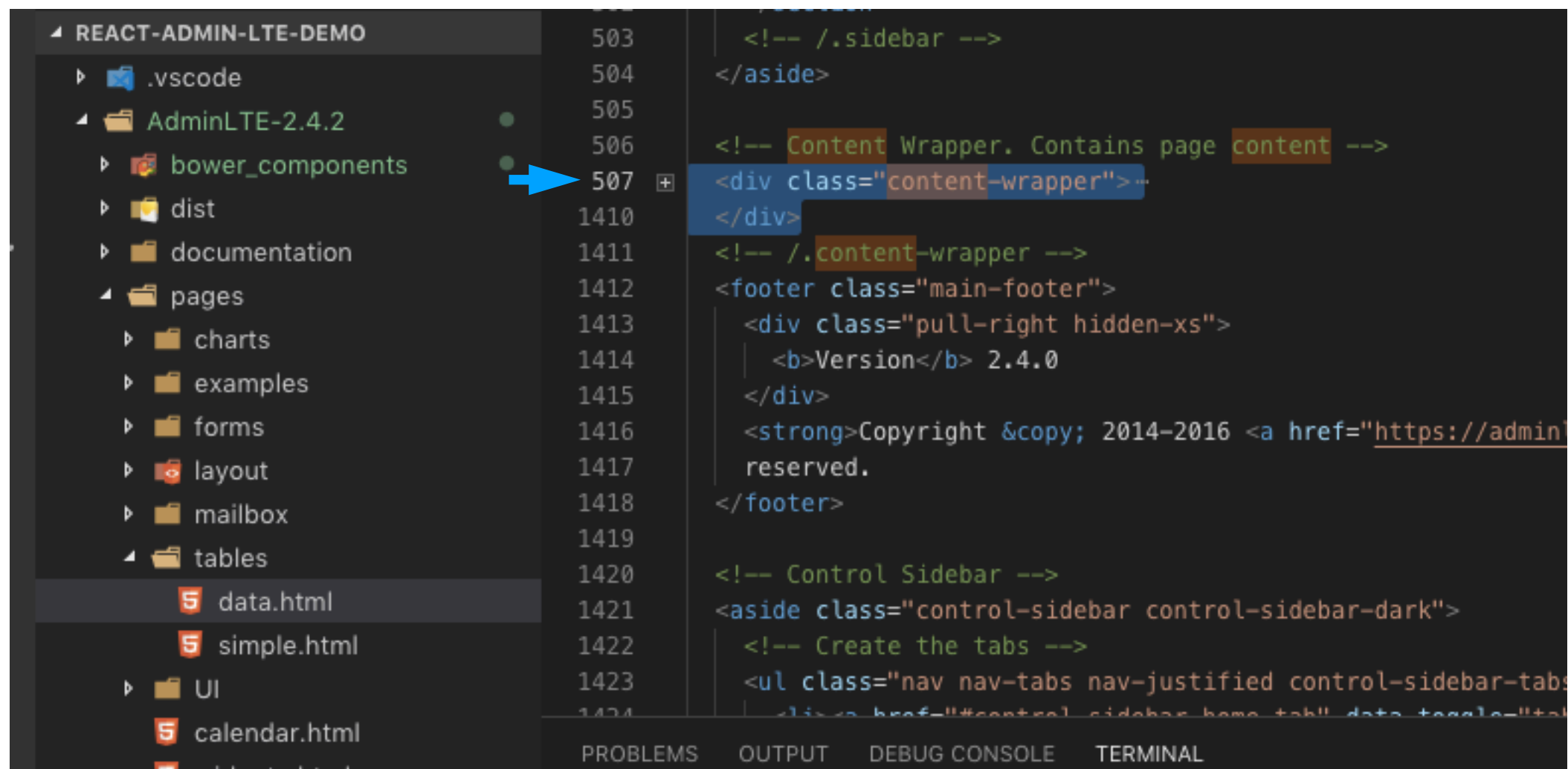
Rendering engine	Browser	Platform(s)	Engine version	CSS grade
Gecko	Firefox 1.0	Win 98+ / OSX.2+	1.7	A
Gecko	Firefox 1.5	Win 98+ / OSX.2+	1.8	A
Gecko	Firefox 2.0	Win 98+ / OSX.2+	1.8	A
Gecko	Firefox 3.0	Win 2k+ / OSX.3+	1.9	A
Gecko	Camino 1.0	OSX.2+	1.8	A
Gecko	Camino 1.5	OSX.3+	1.8	A
Gecko	Netscape 7.2	Win 95+ / Mac OS 8.6-9.2	1.7	A
Gecko	Netscape Browser 8	Win 98SE+	1.7	A
Gecko	Netscape Navigator 9	Win 98+ / OSX.2+	1.8	A
Gecko	Mozilla 1.0	Win 95+ / OSX.1+	1	A

Showing 1 to 10 of 57 entries

Previous 1 2 3 4 5 6 Next

Step #1

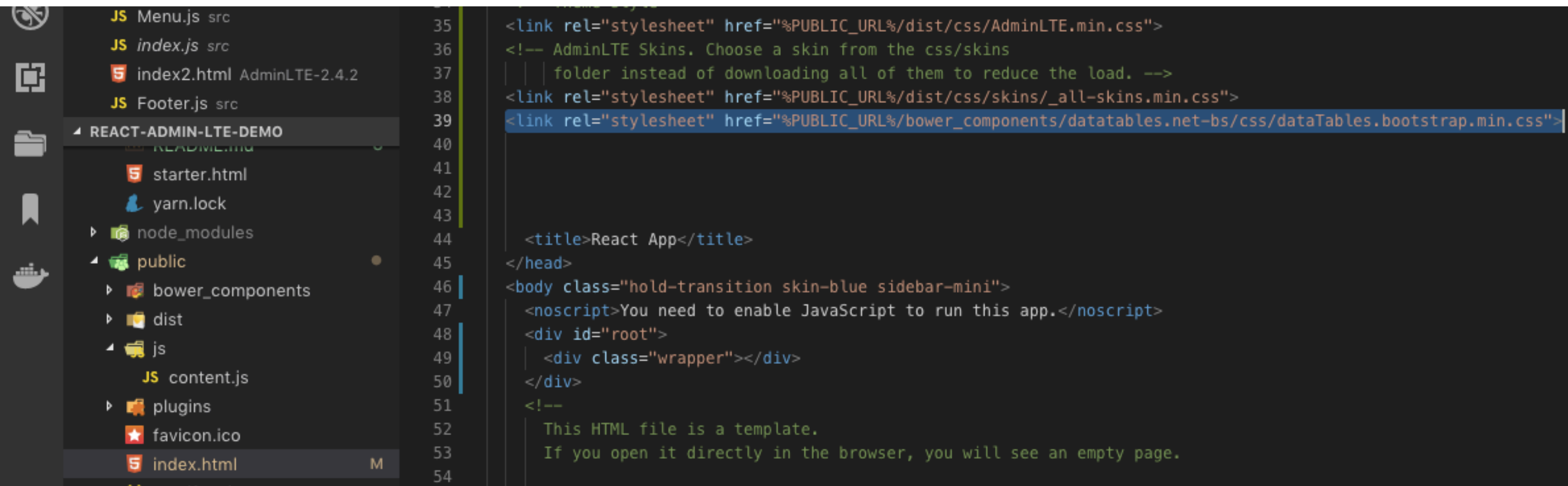
Copy Data-Table Code



```
503 <!-- /.sidebar -->
504 </aside>
505
506 <!-- Content Wrapper. Contains page content -->
507 <div class="content-wrapper">...
1410 </div>
1411 <!-- /.content-wrapper -->
1412 <footer class="main-footer">
1413   <div class="pull-right hidden-xs">
1414     <b>Version</b> 2.4.0
1415   </div>
1416   <strong>Copyright &copy; 2014-2016 <a href="https://admin"
1417     reserved.
1418 </footer>
1419
1420 <!-- Control Sidebar -->
1421 <aside class="control-sidebar control-sidebar-dark">
1422   <!-- Create the tabs -->
1423   <ul class="nav nav-tabs nav-justified control-sidebar-tabs"
1424     <li><a href="#control-sidebar-home-tab" data-toggle="tab"
1425
```

Step #2/1

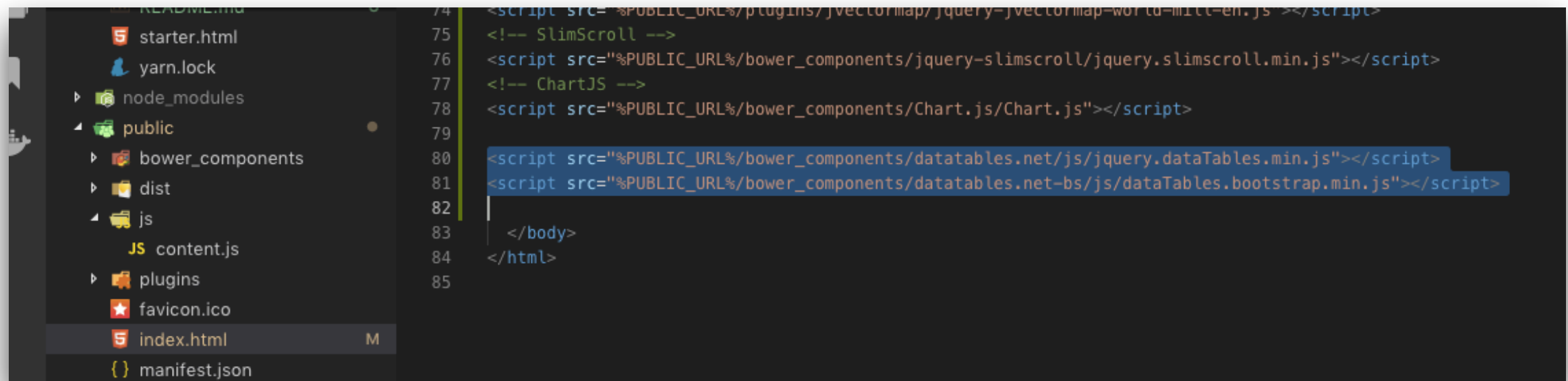
Copy CSS



```
35 <link rel="stylesheet" href="%PUBLIC_URL%/dist/css/AdminLTE.min.css">
36 <!-- AdminLTE Skins. Choose a skin from the css/skins
37 | | folder instead of downloading all of them to reduce the load. -->
38 <link rel="stylesheet" href="%PUBLIC_URL%/dist/css/skins/_all-skins.min.css">
39 <link rel="stylesheet" href="%PUBLIC_URL%/bower_components/datatables.net-bs/css/dataTables.bootstrap.min.css">
40
41
42
43
44 <title>React App</title>
45 </head>
46 <body class="hold-transition skin-blue sidebar-mini">
47 <noscript>You need to enable JavaScript to run this app.</noscript>
48 <div id="root">
49 | <div class="wrapper"></div>
50 </div>
51 <!--
52 This HTML file is a template.
53 If you open it directly in the browser, you will see an empty page.
54
```

Step #2/1

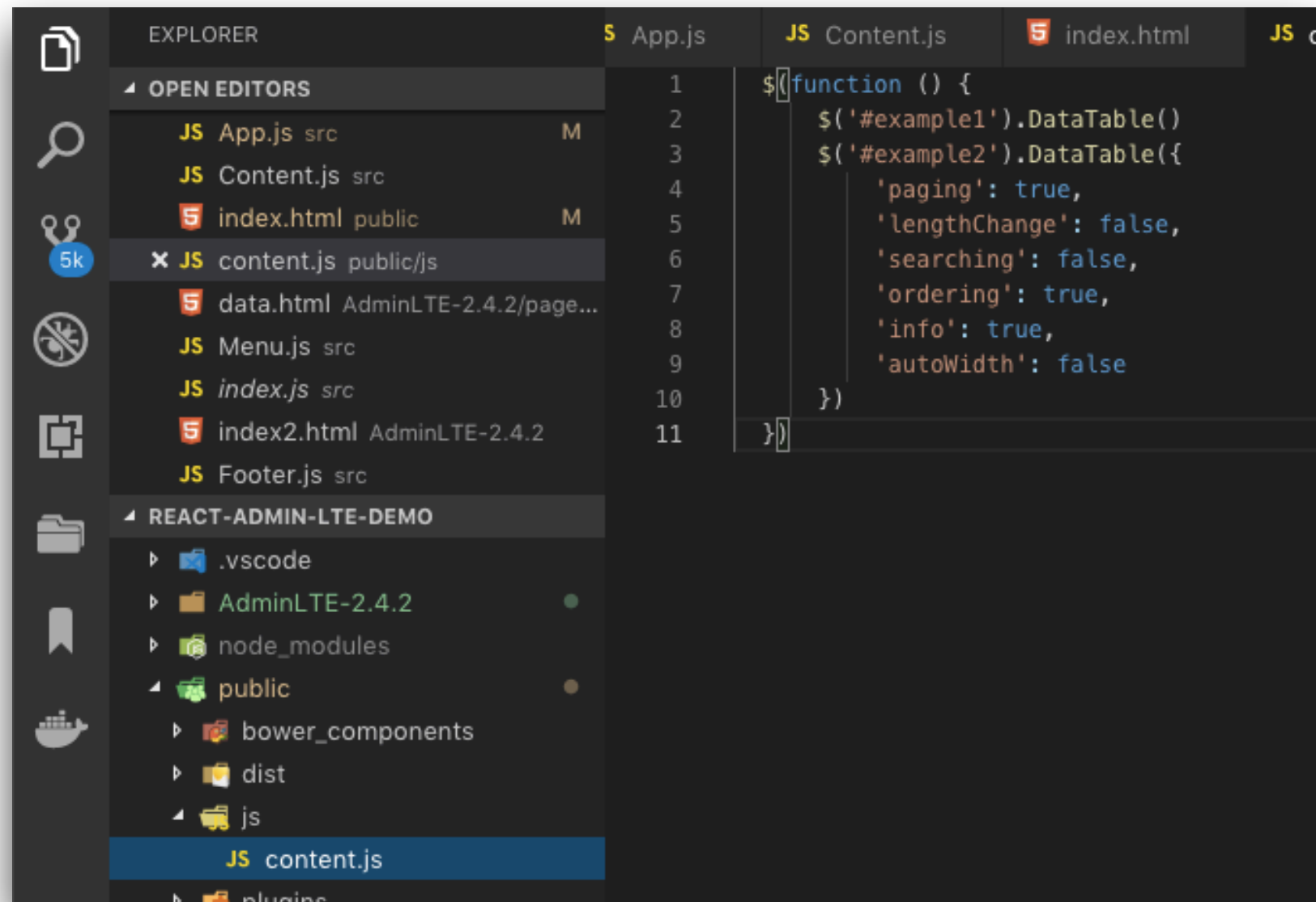
Copy Javascript



```
74 <script src="%PUBLIC_URL%/plugins/jvectormap/jquery-jvectormap-world-mitt-en.js"></script>
75 <!-- SlimScroll -->
76 <script src="%PUBLIC_URL%/bower_components/jquery-slimscroll/jquery.slimscroll.min.js"></script>
77 <!-- ChartJS -->
78 <script src="%PUBLIC_URL%/bower_components/Chart.js/Chart.js"></script>
79
80 <script src="%PUBLIC_URL%/bower_components/datatables.net/js/jquery.dataTables.min.js"></script>
81 <script src="%PUBLIC_URL%/bower_components/datatables.net-bs/js/dataTables.bootstrap.min.js"></script>
82
83 </body>
84 </html>
85
```

Step #2/2

Create Javascript to Setup Data-Table



The screenshot shows the Visual Studio Code interface with the Explorer panel on the left and the Editor panel on the right. The Explorer panel displays the file structure of a project named 'REACT-ADMIN-LTE-DEMO'. The 'public' folder is expanded, showing 'content.js' selected. The Editor panel shows the 'content.js' file with the following JavaScript code:

```
1  $(function () {  
2      $('#example1').DataTable()  
3      $('#example2').DataTable({  
4          'paging': true,  
5          'lengthChange': false,  
6          'searching': false,  
7          'ordering': true,  
8          'info': true,  
9          'autoWidth': false  
10     })  
11 })
```

Step #2/1

Load Javascript When ComponentDidMount

```
2
3 export default class Content extends Component {
4
5   componentDidMount () {
6     const script = document.createElement("script");
7
8     script.src = `js/content.js`;
9     script.async = true;
10
11    document.body.appendChild(script);
12  }
13
14  render() {
15    return (
16      <div className="content-wrapper">
17        /* Content Header (Page header) */

```

Fix Error and Warning

1. Convert Html to JSX : [html to jsx]
2. Close-Tag : Example `<Input...> </Input>`

3. Setup Data-table

```
<link rel="stylesheet" href="%PUBLIC_URL%/bower_components/datatables.net-bs/css/dataTables.bootstrap.min.css">  
<script src="%PUBLIC_URL%/bower_components/datatables.net/js/jquery.dataTables.min.js"></script>  
<script src="%PUBLIC_URL%/bower_components/datatables.net-bs/js/dataTables.bootstrap.min.js"></script>
```

4. Change ` <a href="dummy_link"`