

```
public > js >  script.js >  $() callback >  convertDate
```

```
1  $(function(){
2      function get2digits (num){
3          return ('0' + num).slice(-2);
4      }
5
6      function getDate(dateObj){
7          if(dateObj instanceof Date)
8              return dateObj.getFullYear() + '-' + get2digits(dateObj.getMonth()+1)+ '-' + get2digits(dateObj.getDate());
9      }
10
11     function getTime(dateObj){
12         if(dateObj instanceof Date)
13             return get2digits(dateObj.getHours()) + ':' + get2digits(dateObj.getMinutes())+ ':' + get2digits(dateObj.getSeconds());
14     }
15
16     function convertDate(){
17         // convertDate함수는 html element중에 data-date이 있는 것을 찾습니다
18         // data-date에 날짜데이터가 들어 있으면, 해당 데이터를 년-월-일의 형태로 변환해서 element의 텍스트 데이터로 넣습니
19         $('[data-date]').each(function(index,element){
20             //console.log(element)
21             var dateString = $(element).data('date');
22             if(dateString){
23                 var date = new Date(dateString);
24                 $(element).html(getDate(date));
25             }
26         });
27     }
28 }
```

```
29 function convertDateTime(){
30     // convertDateTime함수는 data-date-time을 찾아서 년-원-일 시:분:초의 형태로 변환해서 출력합니다.
31     //이렇게 하는 이유는 JavaScript에서 날짜/시간을 원하는 형태(format)으로 만들기 위해서입니다
32     $('[data-date-time]').each(function(index,element){
33         var dateString = $(element).data('date-time');
34         if(dateString){
35             var date = new Date(dateString);
36             $(element).html(getDate(date)+' '+getTime(date));
37         }
38     });
39 }
40
41 convertDate();
42 convertDateTime();
43 });
44
```


views > partials > <% head.ejs > ...

```
1  <!-- views/partials/head.ejs -->
```

```
2  <!-- 웹폰트 부분 -->
```

```
3  <meta name="viewport" content="width=device-width,initial-scale=1">
```

```
4
```

```
5  <!-- jquery & bootstrap -->
```

```
6  <script src="https://code.jquery.com/jquery-3.2.1.slim.min.js" integrity="sha384-KJ3o2DKtIkvYIK3UENzmM7K"
```

```
7  <script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js" integrity="sha38"
```

```
8  <script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js" integrity="sha384-JZR6"
```

```
9  <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" inte
```

```
10
```

```
11 <!-- web font 링크로 이동 (Cmd+클릭)
```

```
12 <link href="https://fonts.googleapis.com/css?family=Open+Sans&display=swap" rel="stylesheet">
```

```
13
```

```
14 <!-- my css -->
```

```
15 <link rel="stylesheet" href="/css/master.css">
```

```
16
```

```
17 <!-- my js -->
```

```
18 <script src="/js/script.js"></script>
```

```
19 <!-- 바로 위에서 설명한 public/js/script.js 스크립트를 client에서 호출하는 코드가 추가되었습니다. -->
```

```
20 <title>My Website</title>
```

```
21
```

```
2  <!-- 네비게이션 메뉴는 주소록 만들기 예제와 구조 -->
3
4  <nav class="navbar navbar-expand-sm navbar-light bg-light mb-3">
5    <div class="container">
6      <div class="navbar-brand">My Website</div>
7      <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarSupportedContent">
8        <span class="navbar-toggler-icon"></span>
9      </button>
10     <div class="collapse navbar-collapse" id="navbarSupportedContent">
11       <ul class="navbar-nav">
12         <li class="nav-item"><a href="/" class="nav-link">Home</a></li>
13         <li class="nav-item"><a href="/about" class="nav-link">About</a></li>
14         <li class="nav-item"><a href="/posts" class="nav-link">Board</a></li>
15       </ul>
16     </div>
17   </div>
18 </nav>
19
```


views > posts > <% index.ejs > html > body > ? > div.container.mb-3 > table.board-

```
1  <!-- Post의 index를 table로 표시합니다. -->
2  <!DOCTYPE html>
3  <html>
4    <head>
5      <%- include('../partials/head') %>
6    </head>
7    <body>
8      <%- include('../partials/nav') %>
9
10     <div class="container mb-3">
11
12       <h2 class="mb-3">Board</h2>
13
14       <table class="board-table table table-sm border-bottom">
15
16         <thead class="thead-light">
17           <tr>
18             <th scope="col">Title</th>
19             <th scope="col" class="date">Date</th>
20           </tr>
21         </thead>
22
23         <tbody>
24           <% if(posts == null || posts.length == 0){ %>
25             <tr>
26               <td colspan=2> There is no data to show :( </td>
27             </tr>
28           <% } %>
29           <% posts.forEach(function(post) { %>
30             <tr>
```

```

31         <td>
32             <a href="/posts/<%= post._id %>"><div class="ellipsis"><%= post.title %></div></a>
33         </td>
34         <td class="date">
35             <span data-date="<%= post.createdAt %>"></span>
36             <!-- data-date가 <span> element에 사용되었습니다.
37             public/js/script.js에 의해 post.createdAt, 즉 게시물 작성시간이 년-월-일의 형태로 출력됩니다. -->
38         </td>
39     </tr>
40     <% }) %>
41 </tbody>
42
43 </table>
44
45 <div>
46     <a class="btn btn-primary" href="/posts/new">New</a>
47 </div>
48
49 </div>
50 </body>
51 </html>
52








```

views > posts > <% new.ejs > ...

```
1  <!DOCTYPE html>
2  <html>
3    <head>
4      <%- include('../partials/head') %>
5    </head>
6    <body>
7      <%- include('../partials/nav') %>
8
9      <div class="container mb-3">
10
11        <nav aria-label="breadcrumb">
12          <ol class="breadcrumb p-1 pl-2 pr-2">
13            <li class="breadcrumb-item"><a href="/">Home</a></li>
14            <li class="breadcrumb-item"><a href="/posts">Board</a></li>
15            <li class="breadcrumb-item active" aria-current="page">New Post</li>
16          </ol>
17        </nav>
18
19        <form action="/posts" method="post">
20
21          <div class="form-group">
22            <label for="title">Title</label>
23            <input type="text" id="title" name="title" value="" class="form-control">
24          </div>
25
26          <div class="form-group">
27            <label for="body">Body</label>
28            <textarea id="body" name="body" rows="5" class="form-control"></textarea>
29          </div>
```



```
30
31     <div>
32         <a class="btn btn-primary" href="/posts">Back</a>
33         <button type="submit" class="btn btn-primary">Submit</button>
34     </div>
35
36 </form>
37
38 </div>
39 </body>
40 </html>
41
```


6 show.ejs >  html >  body >  ? >  div.container.mb-3 >  div.card >  div.row >  div.col-md-5.col-lg-4.col-xl-

```
1  <!DOCTYPE html>
2  <html>
3    <head>
4      <%- include('../partials/head') %>
5    </head>
6    <body>
7      <%- include('../partials/nav') %>
8
9      <div class="container mb-3">
10
11        <nav aria-label="breadcrumb">
12          <ol class="breadcrumb p-1 pl-2 pr-2">
13            <li class="breadcrumb-item"><a href="/">Home</a></li>
14            <li class="breadcrumb-item"><a href="/posts">Board</a></li>
15            <li class="breadcrumb-item active" aria-current="page"><%= post.title %></li>
16          </ol>
17        </nav>
18
19        <div class="card">
20          <h5 class="card-header p-2"><%= post.title %></h5>
21          <div class="row">
22
23            <div class="col-md-7 col-lg-8 col-xl-9 order-sm-2 order-md-1">
24              <div class="post-body p-2"><%= post.body %></div>
25            </div>
```

```

27 <div class="col-md-5 col-lg-4 col-xl-3 order-sm-1 order-md-2">
28     <div class="post-info card m-2 p-2">
29         <div><span>Created</span> : <span data-date-time="<%= post.createdAt %>"></span></div>
30         <!-- data-date-time이 Created, Updated 옆의 <span> element에 사용되었습니다.
31             게시물이 작성된 시간, 수정된 시간이 년-월-일 시:분:초의 형태로 출력됩니다 -->
32         <% if(post.updatedAt) { %>
33             <div><span>Updated</span> : <span data-date-time="<%= post.updatedAt %>"></span></div>
34             <!-- data-date-time이 Created, Updated 옆의 <span> element에 사용되었습니다.
35                 게시물이 작성된 시간, 수정된 시간이 년-월-일 시:분:초의 형태로 출력됩니다 -->
36         <% } %>
37     </div>
38 </div>
39
40 </div>
41 </div>
42
43 <div class="mt-3">
44     <a class="btn btn-primary" href="/posts">Back</a>
45     <a class="btn btn-primary" href="/posts/<%= post._id %>/edit">Edit</a>
46     <form action="/posts/<%= post._id %>?_method=delete" method="post" class="d-inline">
47         <a class="btn btn-primary" href="javascript:void(0)" onclick="confirm('Do you want to delete this?')?this.parentElement.submit():">Delete</a>
48     </form>
49 </div>
50
51 </div>
52 </body>
53 </html>
54

```



My Website



localhost:3000/posts



Guest



My Website

[Home](#)

[About](#)

[Board](#)

Board

Title	Date
-------	------

There is no data to show :(

New

My Website

localhost:3000/posts/new

Guest

My WebsiteHomeAboutBoard

Home / Board / New Post

Title

test title

Body

test body

BackSubmit

My Website

localhost:3000/posts

Guest

My WebsiteHomeAboutBoard

Board

Title	Date
test title	2020-01-07

New

[Home](#) / [Board](#) / test title

test title

test body

Created : 2020-01-07
13:44:30[Back](#)[Edit](#)[Delete](#)[Home](#) / [Board](#) /

test title

test body

Created : 2020-01-07
13:44:30[Back](#)[Edit](#)[Delete](#)localhost:3000 says
Do you want to delete this?[OK](#)[Cancel](#)