

# CY-0814 homework

## **串接前後端**

Esther-2020/08/15

- 新增資料表欄位:content

```
MariaDB [labDB]> update news set content = "news_content" where newsId<6  
-> ;  
Query OK, 5 rows affected (0.005 sec)  
Rows matched: 5  Changed: 5  Warnings: 0
```

```
MariaDB [labDB]> select * from news;
```

newsId	ymd	title	content
1	2017-05-01	News A	news_content
2	2017-05-02	News B	news_content
3	2017-05-03	News C	news_content
4	2017-05-04	News D	news_content
5	2017-05-05	News E	news_content

5 rows in set (0.000 sec)

- 將條列樣式更改為panel collapse

## 最新消息



news1.



Nihil anim keffiyeh helvetica, craft beer labore wes anderson cred nesciunt sapiente ea proident. Ad vegan excepteur butcher vice lomo.

news2.



news2.



```
<style>
```

```
.pt{  
  background-color: inherit;  
  text-align: left;  
}
```

```
</style>
```

```
<h2>最新消息<span class="pull-right"><button id="newItem" class="btn btn-success btn-sm"><span
```

```
<div id="latestNews" class="panel-group">
```

```
  <div class="panel panel-default">
```

```
    <div class="panel-heading">
```

```
      <h4 class="panel-title pt">
```

```
        <a data-toggle="collapse" href="#collapse1">
```

```
          news1.
```

```
        </a>
```

```
        <span class="pull-right">
```

```
          <button class="btn btn-info btn-xs editItem">
```

```
            <span class="glyphicon glyphicon-pencil" aria-hidden="true"></span>
```

```
          </button>&nbsp;
```

```
          <button class="btn btn-danger btn-xs deleteItem">
```

```
            <span class="glyphicon glyphicon-remove" aria-hidden="true"></span>
```

```
          </button>
```

```
        </span>
```

```
      </h4>
```

```
    </div>
```

```
    <div id="collapse1" class="panel-collapse collapse">
```

```
      <div class="panel-body">
```

```
        Nihil anim keffiyeh helvetica, craft beer labore wes anderson  
        cred nesciunt sapiente ea proident. Ad vegan excepteur butcher  
        vice lomo.
```

```
      </div>
```

```
    </div>
```

```
</div>
```

```
<div class="panel panel-default">...
```

- 印出假資料

```
var newsList =  
[  
  { ymd: "2017-05-01", title: "Item 1", content: "test" },  
  { ymd: "2017-05-01", title: "Item 2", content: "test" },  
  { ymd: "2017-05-02", title: "Item 3", content: "test" },  
];  
  
// 01.印出假資料  
$.each(newsList, function(key, obj){  
  var title = `${obj.ymd} | ${obj.title}`;  
  var content = obj.content;  
  $("#latestNews").append(`${title+content}<br>`);  
})
```

## 最新消息



news1.



news2.



news2.



2017-05-01| Item 1test

2017-05-01| Item 2test

2017-05-02| Item 3test

- refreshUI 獲取html片段並套用

```
function getPanel(index){
    var $cPanel = $("#ex-panel").html();
    var re = /collapse\d/g;
    //console.log($cPanel.replace(re,"collapse" + index));
    return $cPanel.replace(re,"collapse" + index);
}

function refreshUI(){
    $("#latestNews").empty();
    // 01.印出假資料
    $.each(newsList, function(key, obj){
        var title = `${obj.ymd} | ${obj.title}`;
        var content = obj.content;

        var $panelItem = getPanel(key+1);
        //console.log($panelItem);
        $("#latestNews").append($panelItem);
    })
}


refreshUI();
```



```
<div class="panel-group">
  <div class="panel panel-default">
    <div class="panel-heading">
      <h4 class="panel-title">
        <a data-toggle="collapse" href="#collapse1">Collapsible panel</a>
      </h4>
    </div>
    <div id="collapse1" class="panel-collapse collapse">
      <div class="panel-body">Panel Body</div>
      <div class="panel-footer">Panel Footer</div>
    </div>
  </div>
</div>
```



為了對應兩者，以正規表達式做取代片段

- 印出陣列中的資料



## 最新消息



2017-05-01| Item 1

2017-05-01| Item 2

test2

2017-05-02| Item 3

test3

```
//獲取元素參考並移除該參考元素
CPanel = $("#ex-panel").html();
$("#ex-panel").remove();










function setPanel(index){
    var $cPanel = CPanel;
    var re = /collapse\d/g;
    $("#latestNews").append($cPanel.replace(re,"collapse" + index));
}
```

```
getPanel(key+1);
//console.log($("#latestNews").children().eq(key).html());
$(".panel-title a").eq(key).text(title);
$(".panel-body").eq(key).text(content);
```

- 從DB取得資料並列出

## 最新消息



2017-05-01  News A	 
2017-05-02  News B	 
2017-05-03  News C	 
news_content	
2017-05-04  News D	 
2017-05-05  News E	 

```
//02.從伺服器端獲取資料
function GetData_Refresh(){
    $.ajax({
        type:"get",
        url: "/home/news",
        success: function(e){
            newList = JSON.parse(e);
            //console.log(newList); {newsId: /title: /ymd: }
            refreshUI();
        }
    })
}
GetData_Refresh();
```

- 新增小視窗

The screenshot displays a web application with a sidebar on the left and a main content area. The sidebar, titled "最新消息" (Latest News), contains a list of news items: "2017-05-01 | News A", "2017-05-02 | News B", "2017-05-03 | News C", "2017-05-04 | News D", and "2017-05-05 | News E". The main content area features a modal box titled "新增/修改" (Add/Edit) with a green header and a close button. The modal contains two input fields: "標題" (Title) with the placeholder "請輸入標題" (Please enter title) and "日期" (Date) with the placeholder "yyyy-mm-dd 例如: 2017-05-20". At the bottom of the modal are two buttons: "✓ 確定" (Confirm) and "✗ 取消" (Cancel).

```

// *step3. add modal-box (右上角的+)
$("#newItem").click(function(){
    $("#newsModal").modal({backdrop:"static"});
})

```



- 新增前端內容欄位

## 新增/修改

標題

請輸入標題

日期

yyyy-mm-dd 例如: 2017-05-20

內容

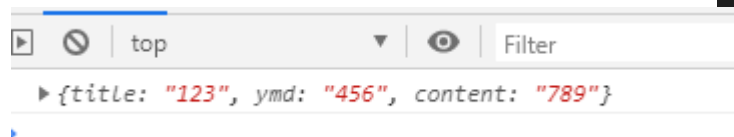
✓ 確定

✕ 取消

```
<div class="form-group">
  <label for="contentBox">
    <span class="glyphicon glyphicon-time"></span>內容
    <textarea type="text"
      id="contentTextBox"
      class="form-control"
      rows="5">
    </textarea>
  </label>
</div>
```

- 測試輸入資料

```
//04. OK button
$("#okButton").click(function(){
    $("#newsModal").modal("hide");
    //new
    let dataToServe = {
        title: $("#titleTextBox").val(),
        ymd: $("#ymdTextBox").val(),
        content: $("#contentTextBox").val().trim()
    }
    console.log(dataToServe);
})
```



The screenshot shows a web browser's developer console. At the top, there are icons for running, pausing, and a search icon, followed by the text 'top' and a 'Filter' button. Below this, a log entry is displayed: a right-pointing triangle icon followed by the JSON object `{title: "123", ymd: "456", content: "789"}`. The string values are highlighted in red.

```
▶ {title: "123", ymd: "456", content: "789"}
```

- 新增資料

2020-05-02 | News RRR

RRR content

新增/修改

標題

News RRR

日期

2020-05-02

內容

RRR content

✓ 確定

✕ 取消

```
let dataToServe = {
  title: $("#titleTextBox").val(),
  ymd: $("#ymdTextBox").val(),
  content: $("#contentTextBox").val().trim()
}
console.log(JSON.stringify(dataToServe));
//05. post data
$.ajax({
  type: "post",
  url: "/home/news",
  contentType: "application/json",
  data: JSON.stringify(dataToServe)
}).then(function(){
  GetData_Refresh();
})
```

- 修改app.js的API
- 添加新欄位動作

```
app.post("/home/news", function (request, response) {  
  
    connection.query(  
        "insert into news (title, ymd, content) values (?, ?, ?)",  
        [  
            request.body.title,  
            request.body.ymd,  
            request.body.content  
        ]  
    );  
    response.send("row inserted.");  
})  
  
app.put("/home/news", function (request, response) {  
  
    connection.query(  
        "update news set title = ?, ymd = ?, content = ? where newsId = "  
        + request.body.newsId,  
        [  
            request.body.title,  
            request.body.ymd,  
            request.body.content  
        ]  
    );  
    response.send("row updated.");  
})
```

- 刪除資料
- 終於可以刪掉奇怪的測資了

```
//06 刪除項目  
$(".deleteItem").click(function(){  
    var index = $(this).closest("div").parent().index(); //get index  
    console.log(index);  
})
```



```
$(".deleteItem").click(function(){ |  
    var index = $(this).closest("div").parent().index(); //get index  
    console.log(index);  
    $.ajax({  
        type: "delete",  
        url: "/home/news",  
        data: newsList[index]  
    }).then(GetData_Refresh);  
})
```

## 最新消息

	+
2017-05-01   News A	 
2017-05-02   News B	 
2017-05-03   News C	 
2017-05-04   News D	 
2017-05-05   News E	 
erere   rere	 
564   564	 

## • 取得欲修改的值

- 利用closest取得父階在group中的index，獲取改筆資料的內容
- 加上currentIndex做判斷是哪筆資料

```
var currentIndex = -1;
```

2017-05-01 | News A



```
//07.edit
$(".editItem").click(function(){
    var index = $(this).closest("div").parent().index(); //get
    currentIndex = index;
    $("#titleTextBox").val(newsList[index].title);
    $("#ymdTextBox").val(newsList[index].ymd);
    $("#contentTextBox").val(newsList[index].content);

    $("#newsModal").modal( { backdrop: "static" } );
})
}
```

印出來看一下

(newsId為DB欄位的值，先前就被get抓下來了)

```
let dataToServe = {
    newsId: newsList[currentIndex].newsId,
    title: $("#titleTextBox").val(),
    ymd: $("#ymdTextBox").val(),
    content: $("#contentTextBox").val().trim()
}
console.log(dataToServe);
}
```



```
▶ {newsId: 5, title: "News E", ymd: "2017-05-05", content: "news_content"}
▶ {newsId: 18, title: "564", ymd: "564", content: "987"}
```

>

- 編輯資料
- 上傳修改成功

新增/修改	新增/修改
<p>標題</p> <input type="text" value="請輸入標題"/>	<p>標題</p> <input type="text" value="News E"/>
<p>日期</p> <input type="text" value="yyyy-mm-dd 例如: 2017-05-20"/>	<p>日期</p> <input type="text" value="2017-05-05"/>
<p>內容</p> <div></div>	<p>內容</p> <div>default content</div>
<div>✓ 確定 ✕ 取消</div>	<div>✓ 確定 ✕ 取消</div>

2017-05-10 | News AA



```
//03. add modal-box (右上角的+)
$("#newItem").click(function(){
    currentIndex = -1;
    $("#newsModal").modal({backdrop: "static"});
})

$("#okButton").click(function(){
    $("#newsModal").modal("hide");
    //new
    if(currentIndex < 0){
        let dataToServe = {
            title: $("#titleTextBox").val(),
            ymd: $("#ymdTextBox").val(),
            content: $("#contentTextBox").val().trim()
        }
        console.log(JSON.stringify(dataToServe));
        //05. post data
        $.ajax({
            type: "post",
            url: "/home/news",
            contentType: "application/json",
            data: JSON.stringify(dataToServe)
        }).then(function(){
            GetData_Refresh();
        })
    }
    //edit
    else{
```

- 加入日期選擇器

- From jQ UI

```
<link rel="stylesheet" href="css/jquery-ui.css">
```

```
<script type="text/javascript" src="js/jquery-ui.js"></script>
```

```
$("#ymdTextBox").datepicker({  
    dateFormat: "yy-mm-dd"  
});
```

新增/修改

標題

請輸入標題

日期

yyyy-mm-dd 例如: 2017-05-20

August 2020

Su	Mo	Tu	We	Th	Fr	Sa
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

✓ 確定 ✕ 取消



# 完成!

## 最新消息



2017-05-10 | News AA



2017-05-02 | News B



2017-05-03 | News C



2017-05-04 | News D



2017-05-05 | News E



2020-08-16 | finish



完成作業~~~