

```
package com.acorn.prj33;
```

```
import java.util.ArrayList;  
import java.util.List;
```

```
import org.springframework.stereotype.Controller;  
import org.springframework.web.bind.annotation.PathVariable;  
import org.springframework.web.bind.annotation.RequestBody;  
import org.springframework.web.bind.annotation.RequestMapping;  
import org.springframework.web.bind.annotation.RequestMethod;  
import org.springframework.web.bind.annotation.ResponseBody;
```

```
@Controller
```

```
public class MemberApiController {
```

```
    @ResponseBody
```

```
    @RequestMapping( value="/member/list" , method=RequestMethod.GET)
```

```
    public List<Customer> list(){
```

```
        List<Customer> list = new ArrayList<Customer>();
```

```
        list.add( new Customer("t1" , "test1"));
```

```
        list.add( new Customer("t2" , "test2"));
```

```
        list.add( new Customer("t3" , "test3"));
```

```
        return list;
```

```
    }
```

```
    @ResponseBody
```

```
    @RequestMapping( value="/member/register" , method=RequestMethod.POST)
```

```
    public Customer register(@RequestBody Customer customer) {
```

```
        System.out.println("register");
```

```
        System.out.println( customer);           //db
```

```
        return customer ;
```

```
    }
```

```
    @ResponseBody
```

```
        //member/modify/t3
```

```
    @RequestMapping( value="/member/modify/{id}" , method=RequestMethod.PUT)
```

```
    public void modify(@PathVariable String id , @RequestBody Customer customer) {
```

```
        System.out.println( "update" + id);
```

```
        System.out.println( customer);
```

```
    }
```

```
    @ResponseBody
```

```
        //member/delete/t3
```

```
    @RequestMapping( value="/member/delete/{id}" , method=RequestMethod.DELETE)
```

```
    public String delete(@PathVariable String id ) {
```

```
        System.out.println( "delete" + id);
```

```
        return id;
```

```
    }
```

```
}
```

```

<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Insert title here</title>
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>

<script>

$(document).ready( function(){
    //alert("hi~~~");
    $("#searchBtn").click( function(){
        //alert("클릭 되었어");
        search();
    });

});

function search(){
    alert("조회합니다");
    $.ajax(
        {
            type:"GET" ,
            url: "/prj33/member/list" ,
            success:function(data){
                let dataHtml = toHtml(data);
                $("#result").html(dataHtml);
                console.log(data)
            },
            error: function(){
                alert( error);
            }
        }
    ); // 매개 변수값을 전달하는데 json타입의 객체로 넘겨줌
}

function toHtml(data){
    alert( data)
    let str="";
    for( let i=0 ; i< data.length; i++){
        let item = data[i];
        str+= "<div>" + item.id + item.name + "</div>"
    }
    return str;
}
</script>
</head>
<body>

화면이다 !!
<div id="result">
</div>
<button id="searchBtn"> 고객조회</button>
</body>
</html>

```

```

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<!DOCTYPE html>
<html>
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<title>Insert title here</title>
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
</head>
<body>

<script>
$(document).ready( function(){

    $("#btn").click( function(){
        let id = $("#id").val();
        let name = $("#name").val();
        let customer = { id:id , name:name};
        console.log( customer);
        // alert("!!!!!!");
        $.ajax(
            {
                type:"POST",
                url:"/prj33/member/register" ,
                data: JSON.stringify( customer),
                contentType: "application/json",
                success: function(data ){
                    alert("등록완료");
                    console.log(data);
                },
                error: function(){
                    alert("error");
                }
            }
        );
    });

});

</script>

<input type="text" id="id">
<input type="text" id="name">

<button id="btn">등록</button>
</body>
</html>

```

```

<%@ page language="java" contentType="text/html; charset=UTF-8"
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<!DOCTYPE html>
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<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
</head>
<body>

<script>
$(document).ready(function(){

    $("#btn").click(function(){
        let id = $("#id").val();
        let name = $("#name").val();
        let customer= {id:id, name:name } ;
        $.ajax({
            type:'PUT', // 수정 요청 메서드
            url: '/prj33/member/modify/'+id , // 요청 URI
            contentType: "application/json", // 보내는 데이터 type
            data : JSON.stringify(customer), // 서버로 전송할 데이터. stringify()로 직렬화 필요.
            success : function(result){
                alert("수정완료");
            },
            error : function(){ alert("error") } // 에러가 발생했을 때, 호출될 함수
        }); // $.ajax()

    });
});
</script>

<input type="text" id="id">
<input type="text" id="name">

<button id="btn">수정</button>
</body>
</html>

```

```

<%@ page language="java" contentType="text/html; charset=UTF-8"
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<!DOCTYPE html>
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<meta charset="UTF-8">
<title>Insert title here</title>
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
</head>
<body>

```

```

<script>
$(document).ready(function(){

    $("#btn").click(function(){
        let id= $("#id").val();
        alert( id);
        $.ajax({
            type:'DELETE',                // 수정 요청 메서드
            url: '/prj33/member/delete/'+id ,    // 요청 URI
            success : function(result){
                alert( result);
                alert("삭제 완료");
            },

            error : function(){ alert("error") } // 에러가 발생했을 때, 호출될 함수
        }); // $.ajax()

    });
});
</script>

```

아이디:<input type="text" id="id">

```

<button id="btn">삭제</button>
</body>
</html>

```

pom.xml

dependency 추가

```

<dependency>
    <groupId>com.fasterxml.jackson.core</groupId>
    <artifactId>jackson-databind</artifactId>
    <version>2.9.3</version>
</dependency>

<dependency>
    <groupId>org.codehaus.jackson</groupId>
    <artifactId>jackson-mapper-asl</artifactId>
    <version>1.9.13</version>
</dependency>

```