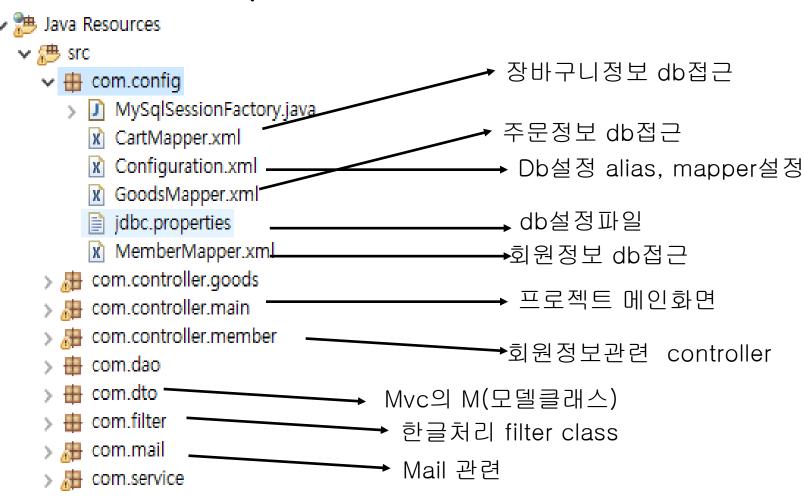


ShopMiniMall-MVC기반의 jsp 버전

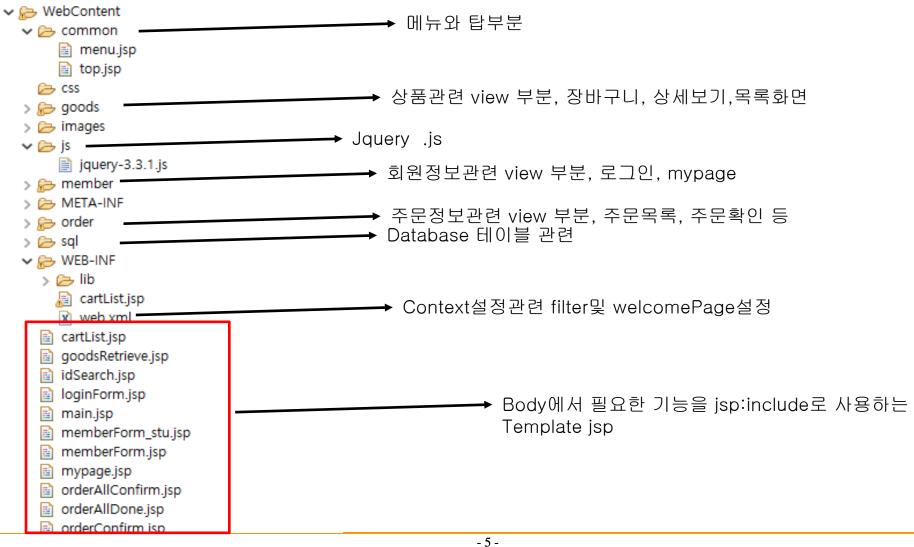
- 서버 : mvc패턴을 활용
- Ocontroller: Servlet, View: Jsp M: Model
- ○데이터 베이스: Oracle, MyBatis기술 이용

○프론트 단: html, css, jQuery 기술 이용

프로젝트의 구조(MVC패턴으로 Controller와 Model부분)



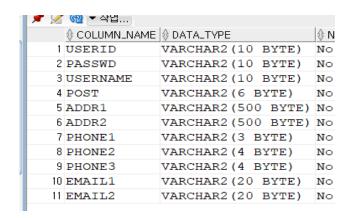
프로젝트의 구조(MVC패턴으로 view 부분)



Db의 구조 계정 :shop/ shop



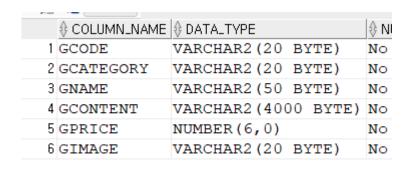
1.member테이블(회원정보)



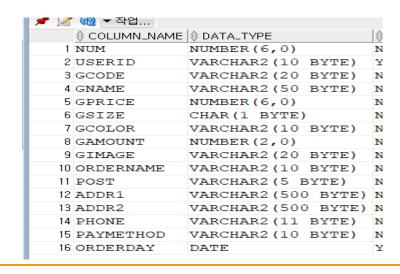
3.Cart테이블(장바구니)

	⊕ COLUMINAMME	⊕ DATA_TYPE	∜
1	NUM	NUMBER(6,0)	No
2	USERID	VARCHAR2 (10 BYTE)	Υe
3	GCODE	VARCHAR2 (20 BYTE)	No
4	GNAME	VARCHAR2 (50 BYTE)	No
5	GPRICE	NUMBER(6,0)	No
6	GSIZE	CHAR (1 BYTE)	No
7	GCOLOR	VARCHAR2 (10 BYTE)	No
8	GAMOUNT	NUMBER(2,0)	No
9	GIMAGE	VARCHAR2 (20 BYTE)	No

2.goods테이블(상품정보)



4.Order테이블(주문및 결제정보)



□ 0) basic-main.jsp

1. 01_basic 메인화면의 구현

Main화면입니다.

<u>로그인</u> <u>회원가입</u> <u>장바구니</u> <u>mypage</u> <u>top dress outer</u> <u>bottom</u>

2. webConent에 common 폴더생성

```
WebContent

✓ ➢ common

☐ menu.jsp

☐ top.jsp

➢ css

➢ js

> META-INF

✓ ➢ WEB-INF

➢ lib

☒ web.xml

☐ main.jsp
```

3. menu.jsp

```
1 <%@ page language="java" contentType="text/html; charset=UTF-8"
2 pageEncoding="UTF-8"%>
  <!-- 메뉴부분 -->
4 ca href=""> top</a>
5 ca href=""> outer</a>
7 ca href=""> bottom</a>
```

4. top.jsp

```
l <%@ page language="java" contentType="text/html; charset=UTF-8"

pageEncoding="UTF-8"%>

a href="">로그인</a>

href="">회원가입</a>

a href="">장바구니</a>

href="">mypage</a>
```

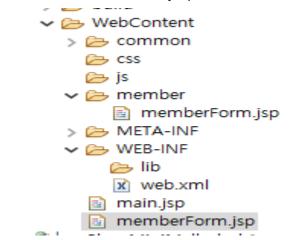
□ 1) 비번체크

1. top.jsp

```
1 <%@ page language="java" contentType="text/html; charset=UTF-8"
2 pageEncoding="UTF-8"%>
3 <a href="">로그인</a>
4 <a href="MemberUIServlet">회원가입</a>
5 <a href="">장바구니</a>
6 <a href="">mypage</a>
```

2. <u>MemberUIServlet</u>작성

3 memberfForm.jsp작성-1



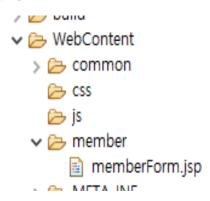
4 memberfForm.jsp작성-2

```
9<sup>©</sup> <body>
10 <h1>회원등록 화면입니다.</h1>
11 <jsp:include page="common/top.jsp" flush="true" /><br>
12 <jsp:include page="common/menu.jsp" flush="true" />
13 <hr>
14 <jsp:include page="member/memberForm.jsp" flush="true" />
15 </body>
```

0. js 파일 설정 WebContent- js에 jQuery 용 js 파일 설정

WebContent
WebContent
Common
Css
js
jquery-3.3.1.js

5.member/memberForm.jsp 작성



6.member/memberForm.jsp 작성 -유효성 체크

```
📓 memberForm_stu.jsp 🛭
  1 k‰ page language="java" contentType="text/html; charset=UTF-8"
       pageEncoding="UTF-8"%>
 4 <script type="text/javascript" src="js/jquery-3.3.1.js"></script>
 5⊖ <script type="text/javascript">
       $(document).ready(function(){
          //form 서브밋
 8 $("form")
     //id. 비번이 0인 경우 에러창 띄우고
       //전송금지
           });
12 //비번확인
13 $("#passwd2")
14 //키 이벤트 발생시 패스워드 일치여부 검사
@15
     });
016 });
17 </script>
180 < form action="MemberAddServlet" method="get">
```

7.주소검색(다음제공 cdn사용)

```
<script src="http://dmaps.daum.net/map_js_init/postcode.v2.js"></script>
⊖ <script>
     //본 예제에서는 도로명 주소 표기 방식에 대한 법령에 따라, 내려오는 데이터를 조합하여 돌바른 주소를 구성하는 방법을 설명합니다.
     function sample4 execDaumPostcode() {
         new daum.Postcode({
             oncomplete: function(data) {
                 ·/ 팝업에서 검색결과 항목을 클릭했을때 실행할 코드를 작성하는 부분.
                 // 도로명 주소의 노출 규칙에 따라 주소를 조합한다.
                 // 내려오는 변수가 값이 없는 경우엔 공백('')값을 가지므로, 이를 참고하여 분기 한다.
var fullRoadAddr = data.roadAddress; // 도로명 주소 변수
                 var extraRoadAddr = ''; // 도로명 조합형 주소 변수
                 // 법정동명이 있을 경우 추가한다. (법정리는 제외)
                 // 법정동의 경우 마지막 문자가 "동/로/가"로 끝난다.
                 if(data.bname !== '' && /[동|로|가]$/g.test(data.bname)){
                      extraRoadAddr += data.bname;
                  .
// 건물명이 있고, 공동주택일 경우 추가한다.
                 if(data.buildingName !== '' && data.apartment === 'Y'){
                    extraRoadAddr += (extraRoadAddr !== '' ? ', ' + data.buildingName : dat
```

8.회원가입에 사용할 serlvet작성

```
1);
  31 </script>
  320 <form action="MemberAddServlet" method="get">
     *아이디:<input type="text" name="userid" id="userid"><br>
    *비밀번호:<input type="text" name="passwd" id="passwd"><br>
 35 비빔번호환인:<input type="text" name="nasswd2" id="nasswd2">
                                13 @WebServlet("/MemberAddServlet")
 $14 public class MemberAddServlet extends HttpServlet {

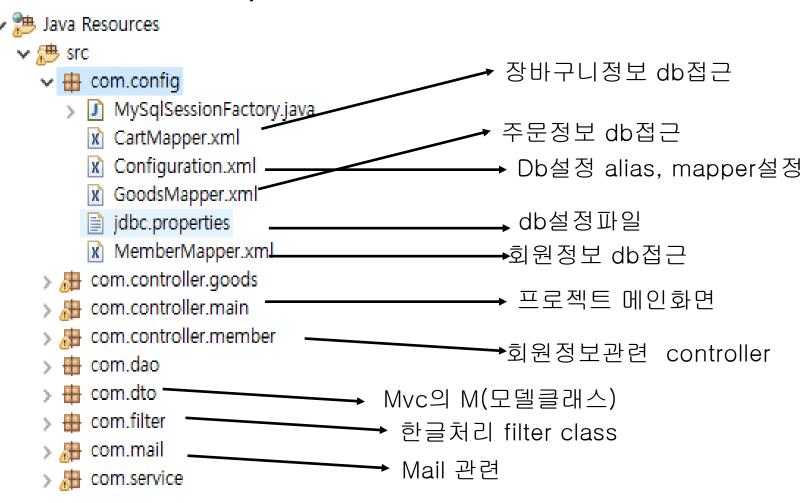
✓ Æ com.controller.member

                                15
     > III MemberAddServlet.java
     MemberUIServlet.java
                               ▲16⊝
                                        protected void doGet(HttpServletRequest request
 Libraries
                                17
> 🗁 build
                                             response.sendRedirect("main.jsp");
WebContent
```

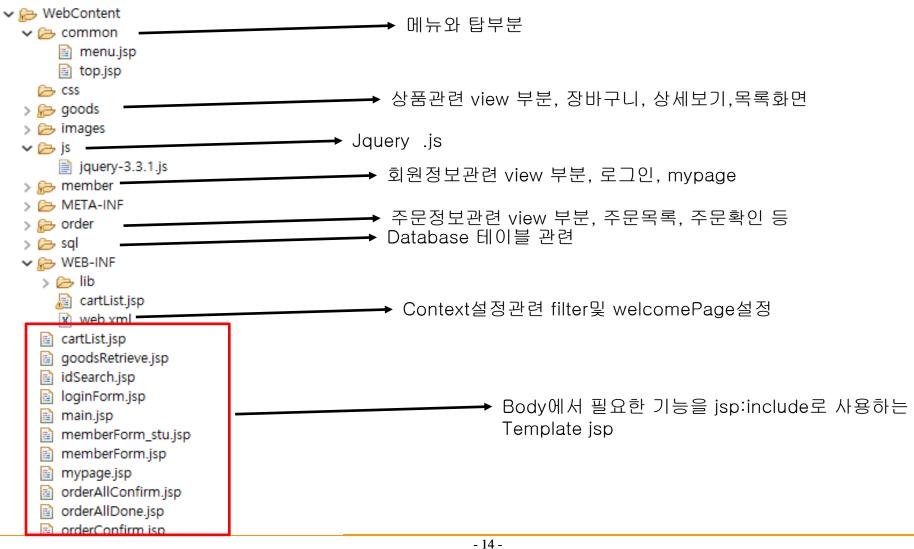
- 서버 : mvc패턴을 활용
- Ocontroller: Servlet, View: Jsp M: Model
- ○데이터 베이스: Oracle, MyBatis기술 이용

○프론트 단: html, css, jQuery 기술 이용

프로젝트의 구조(MVC패턴으로 Controller와 Model부분)



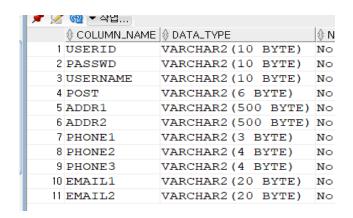
프로젝트의 구조(MVC패턴으로 view 부분)



Db의 구조 계정 :shop/ shop



1.member테이블(회원정보)



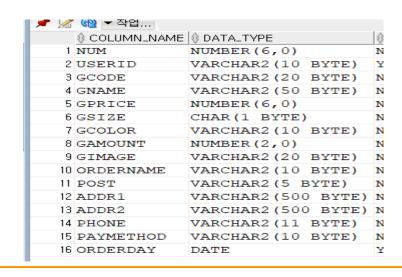
3.Cart테이블(장바구니)

	♦ COFOMINTINHME	UNIA_IYPE	∜
1	NUM	NUMBER(6,0)	No
2	USERID	VARCHAR2 (10 BYTE)	Υe
3	GCODE	VARCHAR2 (20 BYTE)	No
4	GNAME	VARCHAR2 (50 BYTE)	No
5	GPRICE	NUMBER(6,0)	No
6	GSIZE	CHAR (1 BYTE)	No
7	GCOLOR	VARCHAR2 (10 BYTE)	No
8	GAMOUNT	NUMBER(2,0)	No
9	GIMAGE	VARCHAR2 (20 BYTE)	No

2.goods테이블(상품정보)

		⊕ DATA_TYPE	∯ NI			
1	GCODE	VARCHAR2 (20 BYTE)	No			
2	GCATEGORY	VARCHAR2 (20 BYTE)	No			
3	GNAME	VARCHAR2 (50 BYTE)	No			
4	GCONTENT	VARCHAR2 (4000 BYTE)	No			
5	GPRICE	NUMBER(6,0)	No			
6	GIMAGE	VARCHAR2 (20 BYTE)	No			

4.Order테이블(주문및 결제정보)



1. 01_basic 메인화면의 구현

Main화면입니다.

<u>로그인</u> <u>회원가입</u> <u>장바구니</u> <u>mypage</u> <u>top dress outer</u> <u>bottom</u>

2. webConent에 common 폴더생성

```
WebContent

✓ ➢ common

☐ menu.jsp

☐ top.jsp

➢ css

➢ js

> META-INF

✓ ➢ WEB-INF

➢ lib

☒ web.xml

☐ main.jsp
```

3. menu.jsp

```
1 <%@ page language="java" contentType="text/html; charset=UTF-8"
2 pageEncoding="UTF-8"%>
    <!-- 메뉴부분 -->
4 <a href=""> top</a>
5 <a href=""> dress</a>
6 <a href=""> outer</a>
7 <a href=""> bottom</a>
```

4. top.jsp

```
l <%@ page language="java" contentType="text/html; charset=UTF-8"

pageEncoding="UTF-8"%>

a href="">로그인</a>

href="">회원가입</a>

a href="">장바구니</a>

href="">mypage</a>
```

□ 1) 비번체크

1. top.jsp

```
1 <%@ page language="java" contentType="text/html; charset=UTF-8"
2 pageEncoding="UTF-8"%>
3 <a href="">로그인</a>
4 <a href="MemberUIServlet">회원가입</a>
5 <a href="">장바구니</a>
6 <a href="">mypage</a>
```

2. <u>MemberUIServlet</u>작성

```
* Servlet implementation class MemberUIServlet

*/

@WebServlet("/MemberUIServlet")

public class MemberUIServlet extends HttpServlet {

protected void doGet(HttpServletRequest request, HttpServ
response.sendRedirect("memberForm.jsp");

}
```

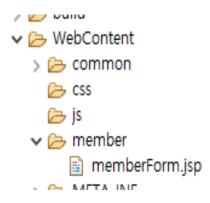
3 memberfForm.jsp작성-1

```
WebContent
common
css
js
member
memberForm.jsp
META-INF
WEB-INF
ib
web.xml
main.jsp
memberForm.jsp
```

4 memberfForm.jsp작성-2

```
9<sup>©</sup> <body>
10 <h1>회원등록 화면입니다.</h1>
11 <jsp:include page="common/top.jsp" flush="true" /><br>
12 <jsp:include page="common/menu.jsp" flush="true" />
13 <hr>
14 <jsp:include page="member/memberForm.jsp" flush="true" />
15 </body>
```

5.member/memberForm.jsp 작성



6.member/memberForm.jsp 작성 -유효성 체크

```
📓 memberForm_stu.jsp 🛭
  1 k‰ page language="java" contentType="text/html; charset=UTF-8"
       pageEncoding="UTF-8"%>
 4 <script type="text/javascript" src="js/jquery-3.3.1.js"></script>
 5⊖ <script type="text/javascript">
       $(document).ready(function(){
          //form 서브밋
 8 $("form")
     //id. 비번이 0인 경우 에러창 띄우고
       //전송금지
           });
12 //비번확인
13 $("#passwd2")
14 //키 이벤트 발생시 패스워드 일치여부 검사
@15
     });
016 });
17 </script>
180 < form action="MemberAddServlet" method="get">
```

7.주소검색(다음제공 cdn사용)

```
<script src="http://dmaps.daum.net/map_js_init/postcode.v2.js"></script>
⊖ <script>
     //본 예제에서는 도로명 주소 표기 방식에 대한 법령에 따라, 내려오는 데이터를 조합하여 돌바른 주소를 구성하는 방법을 설명합니다.
     function sample4 execDaumPostcode() {
         new daum.Postcode({
             oncomplete: function(data) {
                 ·/ 팝업에서 검색결과 항목을 클릭했을때 실행할 코드를 작성하는 부분.
                 // 도로명 주소의 노출 규칙에 따라 주소를 조합한다.
                 // 내려오는 변수가 값이 없는 경우엔 공백('')값을 가지므로, 이를 참고하여 분기 한다.
var fullRoadAddr = data.roadAddress; // 도로명 주소 변수
                 var extraRoadAddr = ''; // 도로명 조합형 주소 변수
                 // 법정동명이 있을 경우 추가한다. (법정리는 제외)
                 // 법정동의 경우 마지막 문자가 "동/로/가"로 끝난다.
                 if(data.bname !== '' && /[동|로|가]$/g.test(data.bname)){
                      extraRoadAddr += data.bname;
                  .
// 건물명이 있고, 공동주택일 경우 추가한다.
                 if(data.buildingName !== '' && data.apartment === 'Y'){
                    extraRoadAddr += (extraRoadAddr !== '' ? ', ' + data.buildingName : dat
```

8.회원가입에 사용할 serlvet작성

```
1);
  31 </script>
  320 <form action="MemberAddServlet" method="get">
     *아이디:<input type="text" name="userid" id="userid"><br>
    *비밀번호:<input type="text" name="passwd" id="passwd"><br>
 35 비빔번호환인:<input type="text" name="nasswd2" id="nasswd2">
                                13 @WebServlet("/MemberAddServlet")
 $14 public class MemberAddServlet extends HttpServlet {

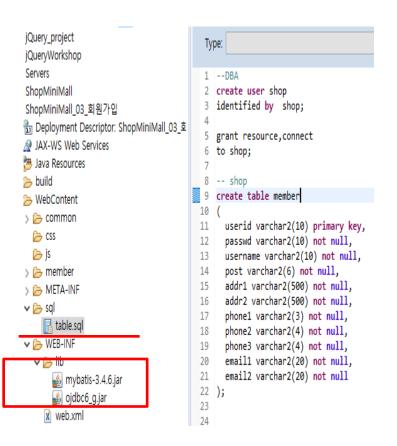
✓ Æ com.controller.member

                                15
     > III MemberAddServlet.java
     MemberUIServlet.java
                               ▲16⊝
                                        protected void doGet(HttpServletRequest request
 Libraries
                                17
> 🗁 build
                                             response.sendRedirect("main.jsp");
WebContent
```

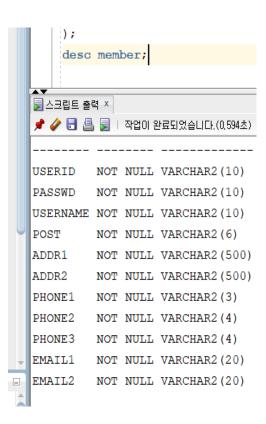
3)회원가입



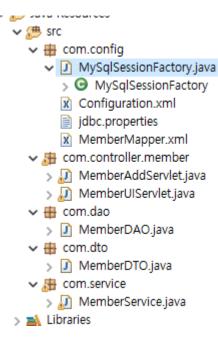
1. 드라이버 지정(lib폴더), shop 계정 생성, 회원가입테이블 생성



```
☑ 시작 페이지 ※ 🦍 shop ※ 🕍 sys
입크시트 질의 작성기
  create table member
     userid varchar2(10) primary key,
     passwd varchar2(10) not null,
     username varchar2(10) not null,
     post varchar2(6) not null,
     addr1 varchar2(500) not null,
     addr2 varchar2(500) not null,
     phone1 varchar2(3) not null,
     phone2 varchar2(4) not null,
     phone3 varchar2(4) not null,
     email1 varchar2(20) not null,
```



2. 패키지 구성



3. jdbc.properties설정

4. Configuration.xml

```
cproperties resource="com/config/jdbc.properties" />
  <typeAliases>
   <typeAlias type="com.dto.MemberDTO" alias="MemberDTO"/>
                                                              </typeAliases>
   <environments default="development">
        <environment id="development">
           <transactionManager type="JDBC" />
            <dataSource type="POOLED">
                cproperty name="driver" value="${driver}" />
                cproperty name="url" value="${url}" />
                cproperty name="username" value="${username}" />
                cproperty name="password" value="${xxx}" />
            </dataSource>
        </environment>
   </environments>
    <mappers>
        <mapper resource="com/config/MemberMapper.xml" />
    </mappers>
</configuration>
```

```
3. MemberDTO : 기본생성자와 맴버변수 전부 소문자
주의
1 package com.dto;
  public class MemberDTO {
4
5
      private String userid;
                                    USERID
                                                     N
      private String passwd;
6
                                    PASSWD
                                                     N
      private String username;
                                    USERNAME
                                                     N
      private String post;
8
9
      private String addr1;
                                    POST
                                                     N
      private String addr2;
10
                                    ADDR1
                                                     N
      private String phone1;
11
                                    ADDR2
                                                     N
      private String phone2;
12
                                    PHONE 1
                                                     N
      private String phone3;
13
                                    PHONE 2
                                                     N
14
      private String email1;
                                    PHONE 3
                                                     N
      private String email2;
15
                                    EMATL1
                                                     N
      public MemberDTO() {
L6⊝
          super();
17
                                    EMATE2
                                                     N
          // TODO Auto-generated of
18
L9
                                     <typeAliases>
                                     <typeAlias type="com.dto.MemberDTO" alias="MemberDTO"/>
                                     <typeAlias type="com.dto.GoodsDTO" alias="GoodsDTO"/>
                                     <typeAlias type="com.dto.CartDTO" alias="CartDTO"/>
                                     ktypeAlias type="com.dto.OrderDTO" alias="OrderDTO"/>
                                     </typeAliases>
```

4. <u>MemberService</u>: insert후 commit(), session.close()

```
public class MemberService {
    public int memberAdd(MemberDTO dto) {

    SqlSession session = MySqlSessionFactory.getSession();
    int n = 0;
    try {
        MemberDAO dao = new MemberDAO();
        n = dao.memberAdd(session, dto);
        session.commit();
    }finally {
        session.close();
    }
    return n;
}//end memberAdd
}//end class
5. No

public int memberAdd(MemberDTO dto) {

package

import

public

public

public

public

session.close();

public

public

public

session.close();

public

public

session.close();

session.close(
```

5. MemberDAO: insert 후 int return

```
package com.dao;

import org.apache.ibatis.session.SqlSession;

public class MemberDAO {

public int memberAdd(SqlSession session, MemberDTO dto) {
    int n = session.insert("MemberMapper.memberAdd", dto);
    return n;
}
```

6. /member/<u>memberForm.jsp-></u> MemberAddServlet 주의 memberForm의 form에 name과 dto, 컬럼네임을 모두 동일하게 할 것

```
P<form action="MemberAddServlet" method="get">
*아이디:<input type="text" name="userid" id="userid"><br>
 *비밀번호:<input type="text" name="passwd" id="passwd"><br>
 비빌번호확인:<input type="text" name="passwd2" id="passwd2">
< <span id="result2"></span>
이름:<input type="text" name="username"><br>
나 Kinput type="text" name="post" id="sample4 postcode" placeholder="우편변호">
+ kinput type="button" onclick="sample4 execDaumPostcode()" value="우편변호 찾기"><br>
 Kinput type="text" name="addr1" id="sample4 roadAddress" placeholder="도로명주소">
 <input type="text" name="addr2" id="sample4 jibunAddress" placeholder="지번주소">

<
. <br>
@ 전화번호:<select name="phone1">
    <option value="010">010</option>
    <option value="011">011</option>
</select>-
<input type="text" name="phone2" >-<input type="text" name="phone3" >
1 (br>
 이메일:<input type="text" name="email1" >@
         <input type="text" name="email2" placeholder="직접입력">
         <select>
```

```
1 package com.dto;
  public class MemberDTO {
       private String userid;
       private String passwd;
6
       private String username;
       private String post;
       private String addr1;
       private String addr2;
LØ
       private String phone1;
L1
       private String phone2;
12
L3
       private String phone3;
14
       private String email1;
       private String email2;
L5
       public MemberDTO() {
L6⊜
           super();
17
L8
           // TODO Auto-generated (
L9
```

nccp://mypacis.org/aca/mypacis-b-mapper.aca >

⊖<mapper namespace="MemberMapper">

□3)회원가입

Main.jsp-><u>MemberAddServlet</u>: 파싱, 회원저장 후 Session 가입 성공여부 저장 -> main.jsp로

String userid = request.getParameter("userid");

response.sendRedirect("main.jsp");

```
String passwd = request.getParameter("passwd");
                                                                 <insert id="memberAdd" parameterType="MemberDTO">
String username = request.getParameter("username");
                                                                  insert into member (userid, passwd, username, post, addr1, addr2,
String post = request.getParameter("post");
                                                                                   phone1, phone2, phone3, email1, email2)
String addr1 = request.getParameter("addr1");
                                                                  values( #{userid}, #{passwd}, #{username}, #{post}, #{addr1}, #{addr2},
String addr2 = request.getParameter("addr2");
String phone1 = request.getParameter("phone1");
                                                                          #{phone1},#{phone2},#{phone3},#{email1},#{email2})
                                                                 </insert>
String phone2 = request.getParameter("phone2");
                                                              </mapper>
String phone3 = request.getParameter("phone3");
String email1 = request.getParameter("email1");
String email2 = request.getParameter("email2");
MemberDTO dto =
        new MemberDTO(userid, passwd, username, post,
                addr1, addr2, phone1, phone2, phone3, email1, email2);
MemberService service = new MemberService();
                                                              MemberAddServlet: 회원가입성공시
int n = service.memberAdd(dto);
HttpSession session = request.getSession();
session.setAttribute("memberAdd", "회원가입성공");
session.setMaxInactiveInterval(5);
```

□ 3)회원가입

○ Main.jsp에서 가입 여부 확인 후 가입성공메세지 출력

```
HttpSession session = request.getSession();
session.setAttribute("memberAdd", "회원가입성공");
session.setMaxInactiveInterval(5);
response.sendRedirect("main.jsp");
```

4)아이디체크

□ 4)아이디체크

○ ajax를 이용한 id중복체크 /member/memberForm.jsp->MemberIdCheckServlet

```
🛅 Deployment Descriptor: 🕄
                              $("#userid").on("keyup",function(event){
JAX-WS Web Services
                                  $.ajax({
                         38
> 🎥 Java Resources
                         39
                                          type : "GET",
> 🗁 build
                                          url : "MemberIdCheckServlet",
                         40

▼ Descontent

                                          dataType : "text",
                         41
  > 🗁 common
                         42
                                          data : {
   CSS
                                               userid : $("#userid").val()
                         43
 > 🗁 js
                                          },
                         44

✓ 冷

member

                                           success : function(responseData, status, xhr) {
                         45
     memberForm_stu.js
                                               $("#result").text(responseData);
                         46
     memberForm.jsp
                                           },
                         47
  > > META-INF
                                           error : function(xhr, status, error) {
                         48
  > 🗁 sql
                                               console.log("error");
                         49
  > > WEB-INF
                         50
   main.jsp
   memberForm_stu.jsp
                         51
                                      });
   memberForm.jsp
                         52 });
                         53
                              11.
```

□ 4)아이디체크

MemberldCheckServlet->dao idCheck

후 select결과 판단 단순 중복여부 메시지 전송

```
16
Java Resources
                                      17 @WebServlet("/MemberIdCheckServlet")
  9.18 public class MemberIdCheckServlet extends HttpServlet {
    > # com.config
                                      19

→ Æ com.controller.member

                                     △20⊝
                                              protected void doGet(HttpServletRequest request, HttpServlet
      > MemberAddServlet.java
                                      21 String userid = request.getParameter("userid");
      ✓ ℳ MemberldCheckServlet.java
                                      22
        > MemberidCheckServlet
                                      23
                                                   MemberService service = new MemberService();
      > III MemberUIServlet.java
                                                   int count = service.idCheck(userid);
                                      24

✓ 

    com.dao

                                                   String mesg = "아이디 사용 가능";
                                      25
      MemberDAO.java
                                                   if(count==1) {
                                      26
    > H com.dto

✓ Æ com.service

                                      27
                                                     mesg = "아이디 중복";
      > III MemberService.java
                                      28
  Libraries
                                                   response.setContentType("text/html;charset=UTF-8");
                                      29
> 🗁 build
                                                   PrintWriter out = response.getWriter();
                                      30

	✓ № WebContent

                                                   out.print(mesg);
                                      31
  > 🗁 common
                                      32
                             2
                                  public int idCheck(SqlSession session, String userid) {
                             3⊖
                                        int count = session.selectOne("MemberMapper.idCheck", userid);
                             4
dao
                                        return count;
```

□ 4)아이디체크

```
<select id="idCheck" parameterType="string" resultType="int">
  select count(*)
  from member
  where userid = #{userid}
  </select>
```

```
*아이디: 1 아이디 중복
*비밀번호: 김길동
```

Main.jsp수정-> 회원가입시 성공 경고창 띄우기. session이용

```
9<sup>©</sup> <body>
0⊖ <%</p>
     String mesg = (String)session.getAttribute("memberAdd");
1
     if(mesg!=null){
2
3 %>
4⊖
     <script type="text/javascript">
       alert('<%=mesg%>');
5
6
     </script>
7 € < %
     }
9 %>
0 <h1>Main화면입니다.</h1>
1 <jsp:include page="common/top.jsp" flush="true"></jsp:include><br>
2 <jsp:include page="common/menu.jsp" flush="true"></jsp:include>
```

5)로그인

○ loginForm.jsp 작성, member/loginForm.jsp작성(유효성검사)

webcontent에 loginForm.jsp

```
9번 〈body〉
10 〈h1〉회원등록화면입니다.〈/h1〉
11 〈jsp:include page="common/top.jsp"〉</jsp:include〉〈br〉
12 〈jsp:include page="common/menu.jsp"〉</jsp:include〉〈br〉
13 〈hr〉
14 〈jsp:include page="/member/memberForm.jsp"〉</jsp:include〉
15 〈/hodv〉
```

```
> B jQuery_project
                                         3
> 🔀 ¡QueryWorkshop
                                         4 <script type="text/javascript" src="js/jquery-3.3.1.js":
> Servers
                                         5⊖ <script type="text/javascript">
> 🔀 ShopMiniMall
                                                $(document).ready(function(){

▼ 點 ShopMiniMall 05 로그인

  > Bn Deployment Descriptor: ShopMiniMall_05_로그
                                         8
                                                      $("form").on("submit",function(event){
  JAX-WS Web Services
                                         9
                                                          var userid = $("#userid").val();
 var passwd = $("#passwd").val();
                                        10
    if(userid.length==0){
                                        11
      > # com.config
                                                                      alert("userid 필수")
                                        12
      > A com.controller.member
                                        13
                                                                      $("#userid").focus();
          com.dao
                                                                      event.preventDefault();
                                        14
      > # com.dto
                                                                  }else if(passwd.length==0){
                                        15
      > A com.service
                                                                      alert("passwd 필수")
    > M Libraries
                                        16
  > 📂 build
                                        17
                                                                      $("#passwd").focus();

✓ № WebContent

                                        18
                                                                      event.preventDefault();
    > 🇀 common
                                        19
     CSS
                                                             });
                                        20
    > 🗁 js
                                        21
                                               });

✓ № member

                                        22 </script>
       loginForm_stu.jsp
                                        23@<form action="LoginServlet" method="aet">
       loginForm.jsp
                                        24 아이디:<input type="text" name="userid" id="userid"><br>
       memberForm stu.isp
                                        25 비밀번호:<input type="text" name="passwd" id="passwd"><br>
       memberForm isn
```

- OLoginServlet: 1)파싱 후 map에 저장 dao 넘김
- 2)dao는 id에 해당하는 모든 정보를 모델에 담이 리턴(정보수정이나 로그인정보에 활용)
- 3) db에 정보가 있을시 dto 객체를 session에 담아서 다른 페이지로 이동
- 3) 정보 유무에 따라 이동페이지를 다르게 설정함.

```
20 public class LoginServlet extends HttpServlet {
QueryWorkshop
Servers
                      21
                    △22⊝
ShopMiniMall
                              protected void doGet(HttpServletRequest request, Http
ShopMiniMall 05 로그인
                     23
📶 Deployment Descriptor:
JAX-WS Web Services
                   public MemberDTO login(SqlSession session, HashMap<String, String> map) {
B Java Resources
                        MemberDTO n = session.selectOne("MemberMapper.login", map);

✓ 

Æ
 STC

                        return n;
 MySqlSessionF
     X Configuration.x
                                  MemberService service = new MemberService();
                     30
     idbc.properties
                     31
                                  MemberDTO dto = service.login(map);
     x MemberMapper
                     32
                                  String nextPage=null;

✓ Æ com.controller.mei

                      33
                                  if(dto!=null) {
   > 🞵 LoginServlet.jav
                                      nextPage = "main.isp";
                      34
   > III LoginUlServlet.j.
                                      HttpSession session = request.getSession();
                      35
   > III MemberAddSer
                                                                                                   로그인시
                                      session.setAttribute("login", dto);
                      36
   MemberidChecl
   > MemberUIServle
                      37
                                  }else {
                                                                                                   : main.jsp
                                      nextPage = "LoginUIServlet";
 38
                                                                                                   루기인
                      39
   MemberDAO.ja
 > # com.dto
                      40
                                                                                                   실패시:

✓ Æ com.service

                     41
                                  response.sendRedirect(nextPage);
                                                                                                   로그인데
   > III MemberService.
                      42
                                                                                                   이지로
```

ㅁ 5)로그인

DAO

mapper

□ 5)로그인

○ /common/top.jsp수정 -> 로그인 시 (session의 "login"정보활용)

```
;⊖ <%
    MemberDTO dto =(MemberDTO)session.getAttribute("login");
    if(dto != null){
3 %>
) <a href="">로그아웃</a>
                                                          LoginUlServlet
) <a href="">mypage</a>
                                                          (로그인정보 없을시 로그인페이지
1⊖ <%
                                                          로 이동)
    }else{
L %>
                                                          단 한번 로그인 되면 세션정보가
i <a href="LoginUIServlet">로그인</a>
i <a href="MemberUIServlet">회원가입</a>
                                                          남아 있음(로그아웃 전까지), 주의
' <a href="">장바구니</a>
3⊖ <%
    }//end if~else
                                          9
) %>
                                         100 /**
                                             * Servlet implementation class MemberUIServlet
                                         12
                                         13 @WebServlet("/LoginUIServlet")
                                        14 public class LoginUIServlet extends HttpServlet {
                                         15
                                        △16⊖
                                                protected void doGet(HttpServletRequest request,
                                         17
                                                    response.sendRedirect("loginForm.jsp");
                                         18
                                         19
                                                }
```

6)로그아웃

□ 6)로그아웃

○ comm/top.jsp의 수정:로그아웃기능

-회원로그인 시만 보이도록 구현

```
pagetncoding="UIF-8"%>
 4
                                                                                 LogoutServlet
 5⊖ <%
      MemberDTO dto =(MemberDTO)session.getAttribute("login");
 6
                                                                                      세션의 삭제 후 main으로 이동
      if(dto != null){
 8
         String username = dto.getUsername();
 9
                                                                V-AAP AACH PELAICEP
10 %>
                                                                                      $\text{20 public class LogoutServlet extends HttpServlet {
                                                                va Resources
11 안녕하세요.<%= username %>
                                                                                       21
                                                                STC
12 <a href="LogoutServlet">로그아웃</a>
13 <a href="">mypage</a>
                                                                com.config
                                                                                              protected void doGet(HttpServletRequest request, Ht
                                                                                      △22⊖
14
                                                                # com.controller.member
                                                                                       23
15⊖<%
                                                                > 🔝 LoginServlet.java
16
       }else{
                                                                                       24
                                                                                                  HttpSession session = request.getSession();
17 %>
                                                                LoginUlServlet.java
                                                                                                  session.invalidate();
18 <a href="LoginUIServlet">로그인</a>
                                                                 LogoutServlet.java
19 <a href="MemberUIServlet">회원가입</a>
                                                                > 🚺 MemberAddServlet.java
                                                                                       26
20 <a href="">장바구니</a>
                                                                MemberldCheckServlet.java
21@ /9/
                                                                                                  response.sendRedirect("main.jsp");
                                                                MemberUIServlet.java
                                                                m com doo
```

Main화면입니다.

Main화면입니다.

안녕하세요.홍길동 <u>로그아웃</u> <u>mypage</u>

<u>로그인</u> <u>회원가입</u> <u>장바구니</u> <u>top dress outer</u> <u>bottom</u>

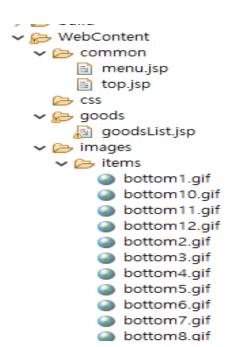
7)상품목록보기

○테이블의 생성 sql script활용 - goods 테이블 , 데이터 추가

```
-- TOP , DRESS , OUTER , BOTTOM
    create table goods
    ( gCode varchar2(20) PRIMARY KEY, --상품코드
      gCategory varchar2(20) not null,
      gName varchar2(50) not null,
      gContent varchar2(4000) not null,
      gPrice NUMBER(6) not null,
      gImage varchar2(20) not null );
| insert into goods
   values ('T1', 'top', '앨리스 데님 탑', '빈티지한 느낌의 데님 프릴 슬리브스 탑', '12100', 'top1');
   insert into goods
   values ('T2', 'top', '슬리브 러플 블라우스', '여성스러운 러플과 리본끈 디테일이 사랑스러운 룩', '12100', 'top2');
   insert into goods
   values ('T3', 'top', '안야 러블리 도트 튜닉', '귀엽고 걸리쉬한 도트 패턴의 튜닉', '12800', 'top3');
   insert into goods
   values ('T4', 'top', '니키타 펀칭 니트 탑', '베이직한 디자인에 펀칭으로 디테일을 준 니트탑', '8800', 'top4');
   insert into goods
   values ('T5', 'top', '펀칭 스트라이프 레이어드 탑', '펀칭과 스트라이프 패턴의 시스루 레이어드 탑', '11800', 'top5');
   incont into goods
```

O webcontents에 images, goods 폴더 추가

		⊕ GCATEGORY	GNAME	GCONTENT	⊕ GPRICE ⊕ GIMAGE
1	T1	top	앨리스 데님 탑	빈티지한 느낌의 데님 프릴 슬리브	12100 top1
2	т2	top	슬리브 러플 블라우스	여성스러운 러플과 리본끈 디테일	12100 top2
3	Т3	top	안야 러블리 도트 튜닉	귀엽고 걸리쉬한 도트 패턴의 튜닉	12800 top3
4	Т4	top	니키타 펀칭 니트 탑	베이직한 디자인에 펀칭으로 디테	8800 top4
5	Т5	top	펀칭 스트라이프	펀칭과 스트라이프 패턴의 시스루	11800 top5
6	т6	top	클로에 슬리프 러	러블리한 디자인의 소매 프릴 포인트	9800 top6
7	т7	top	올리비아 언발란스	가볍고 내츄럴한 니트 소재의 브이	9800 top7



-목록보기용 goods 폴더 생성 goodsList.jsp 작성

O webcontents에 images, goods 폴더 추가

	⊕ GCODE	⊕ GCATEGORY		GCONTENT	
1	т1	top	앨리스 데님 탑	빈티지한 느낌의 데님 프릴 슬리브	. 12100 top1
2	т2	top	슬리브 러플 블라우스	여성스러운 러플과 리본끈 디테일	12100 top2
3	т3	top	안야 러블리 도트 튜닉	귀엽고 걸리쉬한 도트 패턴의 튜닉	12800 top3
4	Т4	top	니키타 펀칭 니트 탑	베이직한 디자인에 펀칭으로 디테	8800 top4
5	Т5	top	펀칭 스트라이프	펀칭과 스트라이프 패턴의 시스루	. 11800 top5
6	т6	top	클로에 슬리프 러	러블리한 디자인의 소매 프릴 포인트	9800 top6
- 7	т7	top	올리비아 언발란스	가볍고 내츄럴한 니트 소재의 보이	. 9800 top7

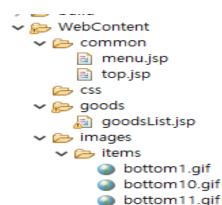


-목록보기용 goods 폴더 생성 goodsList.jsp 작성 -main.jpg 수정 (상품목록보기로 include)

```
15 alert('<%=mesg%>');
16 </script>
17 </script>
18 }
19 %>
20 <h1>Main화면입니다.</h1>
21 <jsp:include page="common/top.jsp" flush="false"></jsp:include><br>
22 <jsp:include page="common/menu.jsp" flush="false"></jsp:include><22 </body>
23 </body>
24 </html>
```

webcontents에 images, goods 폴더 추가

				GCONTENT	
1	т1	top		빈티지한 느낌의 데님 프릴 슬리브	
2	т2	top	슬리브 러플 블라우스	여성스러운 러플과 리본끈 디테일	12100 top2
3	т3	top	안야 러블리 도트 튜닉	귀엽고 걸리쉬한 도트 패턴의 튜닉	12800 top3
4	т4	top	니키타 펀칭 니트 탑	베이직한 디자인에 펀칭으로 디테	8800 top4
5	т5	top	펀칭 스트라이프	펀칭과 스트라이프 패턴의 시스루	. 11800 top5
6	т6	top	클로에 슬리프 러	러블리한 디자인의 소매 프릴 포인트	9800 top6
7	т7	top	올리비아 언발란스	가볍고 내츄럴한 니트 소재의 브이	. 9800 top7



bottom12.gif

bottom2.gif
 bottom3.gif
 bottom4.gif
 bottom5.gif
 bottom6.gif
 bottom7.gif

-목록보기용 goods 폴더 생성 goodsList.jsp 작성 -main.jpg 수정 (상품목록보기로 include)

```
18 }
19 %>
20 <h1>Main 화면입니다.</h1>
21 <jsp:include page="common/top.jsp" flush="false" /><br>
22 <jsp:include page="common/menu.jsp" flush="false" />
23 <hr>
24 <jsp:include page="goods/goodsList.jsp" flush="false" />
```

○ 목록보기 관련 configuration.xml 에 추가 설정

```
<typeAliases>
 <typeAlias type="com.dto.MemberDTO" alias="MemberDTO"/>
 <typeAlias type="com.dto.GoodsDTO" alias="GoodsDTO"/>

/tvpeAliases>

 <environments default="development">
     <environment id="development">
         <transactionManager type="JDBC" />
         <dataSource type="POOLED">
             cproperty name="driver" value="${driver}" />
             cproperty name="url" value="${url}" />
             cproperty name="username" value="${username}" />
             cproperty name="password" value="${xxx}" />
         </dataSource>
     </environment>
 </environments>
 <mappers>
     <mapper resource="com/config/MemberMapper.xml" />
    <mapper resource="com/confia/GoodsMapper.xml" />
 //mannones
```

GoodsDTO, GoodsMapper 등록

O configuration패키지에 goodsmapper.xml 생성

```
y JUITUIS
                                HICLP.//HIYDACID.OFG/UCU/HIYDACID D HIAPPET.UCU /
5@<mapper namespace="GoodsMapper">
Deployment Descriptor: ShopMiniN
                            7
8
Java Resources
                            9
10
  <select id="goodsList" parameterType="string" resultType="GoodsDTO">
                           11⊖
    MySqlSessionFactory.java
                           12
                                     select gCode,gCategory,gName,gContent,gPrice,gImage
      x Configuration.xml
                                     from goods
                           13
      x GoodsMapper.xml
                                     where gCategory = #{gCategory}
                           14
      jdbc.properties
                           15
                                   </select>
      MemberMapper.xml
```

com.dto에 GoodsDTO 모델클래스 만들기기본생성자, 멤버변수- 테이블 컬럼과 동일 조심

```
oject Explorer 🖂
                                     R table.sql
                                                main.jsp
                                                            goodsList.jsp
                                                                           x Confi
ajaxFormTest
                                         package com.dto;
ButtonTest
jQuery_project_chul
                                       3 public class GoodsDTO {
jQuery_workshop_chul
JSPWorkshop14_chul
                                               private String gCode;
Servers
ShopMiniMall
                                               private String gCategory;
🛅 Deployment Descriptor: ShopMiniMall
                                               private String gName;
JAX-WS Web Services
                                               private String gContent;
                                       8
Java Resources
                                       9
                                               private int gPrice;

    com.config

                                               private String gImage;
                                      10
    MySqlSessionFactory.java
                                               public GoodsDTO() {
                                      11⊝
      Configuration.xml
                                      12
                                                    super();
      X GoodsMapper.xml
                                    213
                                                    // TODO Auto-generated
      idbc.properties
                                      14
      MemberMapper.xml
  > A com.controller.goods
                                               public GoodsDTO(String gCode
                                      15⊜
  > A com.controller.main
                                      16
                                                    super();
  > # com.controller.member
                                                    this.gCode = gCode;
                                      17
  > # com.dao
                                      18
                                                    this.gCategory = gCategory

✓ 

    com.dto

    J GoodsDTO.iava
                                      19
                                                    this.gName = gName;
    MemberDTO iava
```

```
. ---상품
    -- TOP , DRESS , OUTER , BOTTOM
    create table goods
     gCode varchar2(20) PRIMARY KEY, --상품코드
      gCategory varchar2(20) not null,
      gName varchar2(50) not null,
      gContent varchar2(4000) not null,
      gPrice NUMBER(6) not null,
      gImage varchar2(20) not null);
      <tvpeAliases>
       <typeAlias type="com.dto.MemberDTO" alias="MemberDTO"/>
       <typeAlias type="com.dto.GoodsDTO" alias="GoodsDTO"/>
       <typeAlias type="com.dto.CartDTO" alias="CartDTO"/>
       KtypeAlias type="com.dto.OrderDTO" alias="OrderDTO"/>
      </typeAliases>
```

- com.controller.goods 패키지생성(상품control 패키지)-GoodsListServlet.java 생성
- O com.dao에 GoodsDAO.java 생성
- O com.service에 GoodsService.java생성
 - idbc.properties MemberMapper.xml GoodsListServlet.java com.controller.main MainServlet.java com.controller.member LoginServlet.java LoginUlServlet.java LogoutServlet.java MemberAddServlet.java MemberIdCheckServlet.java MemberUIServlet.java com.dao GoodsDAO.java MemberDAO.java com.dto GoodsDTO.iava MemberDTO.java com.service GoodsService.java MemberService.java

- 시작화면 바꾸기 /contex이름/ main.jsp → 주소를○Context이름/main 으로 접속하도록 변경
 - 1. web-inf/web.xml을 공백으로 수정, LoginServlet, LogoutServlet, MemberAddServlet 페이지 이동주소를 main으로 변경

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 < \( \text{web-app xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://xmlns.j \)
4 </web-app>
```

```
@WebServlet("/")
public class MainServlet extends HttpServlet {
  > MySqlSessionFac
                      21
    X Configuration.xm
                     △22⊝
                               protected void doGet(HttpServletRequest request, HttpServletResponse |
    x GoodsMapper.xn
                      23
    idbc.properties
                      24
    x MemberMapper.:
                      25
                                   GoodsService service = new GoodsService();

✓ Æ com.controller.good
                      26
                                   List(GoodsDTO) list = service.goodsList("top");
  GoodsListServlet.
                      27
    > GoodsListServ
                      28

✓ Æ com.controller.main

                      29
                                   request.setAttribute("goodsList", list);

✓ MainServlet.java

                      30
    > MainServlet
                      31
                                   RequestDispatcher dis = request.getRequestDispatcher("main.jsp");

✓ Æ com.controller.mem

                      32
                                   dis.forward(request, response);
  > III LoginServlet.java
  > 🎵 LoginUlServlet.ja
```

- O com.main.controller의 MainServlet 수정
- MainServlet의 주소를 /main으로 변경 (프로그램의 시작점)
- Db에서 카테고리가 "top"인 정보를 꺼내와서 화면에 보여줌
- Top인 정보를 list에 reqeust에 담아서 jsp에 전달

```
JAX-WS Web Services
                            პლimport java.io.iutxception;ლ
Java Resources
                           15
src
                          16⊖ /**
> # com.config
                                * Servlet implementation class MainServlet
> # com.controller.goods
                           18

✓ Æ com.controller.main

                               @WebServlet("/main")
  > 🚺 MainServlet.java
                              public class MainServlet extends HttpServlet {
> A com.controller.member
                           21
> # com.dao
                          ▲22⊝
                                   protected void doGet(HttpServletRequest request, HttpServletResponse res
> # com.dto
                           23
> A com.service
                                        GoodsService service = new GoodsService();
                           24
Libraries
                           25
                                        List(GoodsDTO) list = service.goodsList("top");
build
                                            request.setAttribute("goodsList", list);
                           26
WebContent
                                        RequestDispatcher dis = request.getRequestDispatcher("main.jsp");
                           27
common
                           28
                                        dis.forward(request, response);
CSS
                           29
goods
                           30
images
```

○ com.service. GoodsService의 구현

```
ShopMiniMall
                               15 public class GoodsService {
ShopMiniMall_07_상품목록보기
                               16
📆 Deployment Descriptor: ShopMir
                               17
JAX-WS Web Services
                               18⊜
                                          public List<GoodsDTO> goodsList(String gCategory) {
Java Resources
                               19
                                                 SqlSession session = MySqlSessionFactory.getSession();
20
                                                 List<GoodsDTO> list = null;
  > H com.config
                               21
                                                 try {
  > A com.controller.goods
                               22
                                                      GoodsDAO dao = new GoodsDAO();

✓ Æ com.controller.main

                               23
                                                       list = dao.goodsList(session, gCategory);
    > MainServlet.java
                               24
                                                 }catch(Exception e) {
  > A com.controller.member
                               25
                                                     e.printStackTrace();

✓ 

    com.dao

                               26
                                                 }finally {
    > I GoodsDAO.java
                               27
                                                     session.close();
    MemberDAO.java
                               28
  > # com.dto
                               29
                                                 return list;

✓ Æ com.service

                                            }//end idCheck
    > 🔎 GoodsService.java
                               30
```

O com.dao. GoodsDAO의 구현

□ 기상품목록보기

com.confign.GoodsMapper.xml의 구현(최초 카테고리 top을 구해와 화면에 보여줌

```
<mapper namespace="GoodsMapper">

<mapper namespace="GoodsMapper">

<pr
```

Webcontent/goods/goodsList.jsp 한줄당 4개의 품목이 보이게 해줌



<u>앨리스 데님 탑</u>

빈티지한 느낌의 데님 프릴 슬리브스 탑

12100

<%

%>

```
<!-- request에서 네이터 얻은 후 모는 멤버변수를 변수에 서상 후 표에 울럭애줌-->
            List<GoodsDTO> list = (List<GoodsDTO>)request.getAttribute("goodsList");
            for(int i=1;i<=list.size();i++){</pre>
                GoodsDTO dto = list.get(i-1);
                String gCode = dto.getgCode();
                String gCategory = dto.getgCategory();
                String gName = dto.getgName();
                String gContent = dto.getgContent();
                int gPrice = dto.getgPrice();
                String gImage = dto.getgImage();
                             <td class:
                                    (tr)
                    <%= gPrice
                                       <a href="GoodsRetrieveServlet?gCode=T1"><</pre>
    한줄에 4개씩 보여주기 -->
                                              <img src="images/items/<%=gImage %>.q
if(i%4==0){
  }//end if
```

http://localhost:8095/context이름/main 으로 실행

Main 화면입니다.

<u>로그인</u> <u>회원가입</u> <u>장바구니</u> <u>top dress outer</u> <u>bottom</u>



<u>앨리스 데님 탑</u>



<u>슬리브 러플 블라우스</u>



안야 러블리 도트 튜닉



<u>니키타 펀칭 니트 탑</u>

8)마이페이지 (정보보이기까지)

- Com.controller.member.LoginServlet에서 로그인 정보 저장
- 마이페이지에서 활용함

```
protected void doGet(HttpServletRequest request, Htt

String userid = request.getParameter("userid");
String passwd = request.getParameter("passwd");
HashMap<String, String> map = new HashMap<>();
map.put("userid", userid);
map.put("passwd", passwd);

MemberService service = new MemberService();
MemberDTO dto = service.login(map);
String nextPage=null;
if(dto!=null) {
    nextPage = "main.jsp";
    HttpSession session = request.getSession();
    session.setAttribute("login", dto);
```

O common.menu menu.jsp수정 카테고리별 링크 걸기

Webcontext에 mypage.jsp생성, common top.jsp에서 링크 걸기

```
10 <h1>회원상세 페이지 화면입니다.</h1>
   top.jsp
                            11 <jsp:include page="common/top.jsp" flush="true" /><br>
 CSS
                            12 <jsp:include page="common/menu.jsp" flush="true" />
> 🗁 images
> 🗁 js
                            14 <jsp:include page="member/mypage.jsp" flush="true" />
member
                            15 </body>
   loginForm stu.jsp
   loginForm.jsp
                           16 </html>
    memberForm stu.jsp
    memberForm.jsp
    mypage.jsp
> > META-INF
> 🗁 lib
   x web.xml
 loginForm.jsp
 main.jsp
 memberForm stu.isp
  memberForm.jsp
                           📳 Markers 📃 Properties 🚜 Servers 🏙 Data Source Explorer 📔 Snippets 📮 Console 🔀
  mypage.jsp
                        ▼ Tomcat v8.5 Server at localhost [Apache Tomcat] C:\Program Files\Java\java\je1.8.0_261\Java.exe (2020)
```

```
> MemberUIServlet.java
                          11 안녕하세요.<%= username %>
   > # com.dao
                           12 <a href="LogoutServlet">로그아웃</a>
   > # com.dto
                           13 <a href="MyPageServlet">mypage</a>
   > # com.service
                           14
 Libraries
                          159 <%
> 🍃 build

✓ № WebContent

                                 }else{
 17 %>
     menu.jsp
                          18 <a href="LoginUIServlet">로그인</a>
    a top.jsp
                           19 <a href="MemberUIServlet">회원가입</a>
   CSS 🗁
```

- O com.controller.member. MyPageServlet 작성
- 세션정보를 이용 id로 db에서 사용자 정보를 꺼내오고
- 세션에 정보 저장 후 mypage.jsp로 이동

```
: Explorer 🖂
                       🔎 LoginServle...
                                     🔎 LogoutServl...
                                                   MemberAddSe...
                                                                   MemberldChec...
                                                                                  MemberUIServ...
                                                                                                  top.jsp
                        22
> # com.config
                       △23⊝
                                protected void doGet(HttpServletRequest request, HttpServletRespons
... com.controller.goods
                        24
 > J GoodsListServlet.java
                        25
                                      HttpSession session = request.getSession();
MemberDTO dto = (MemberDTO)session.getAttribute("login");
                        26
 > III MainServlet.java
27
                                     String nextPage = null;

✓ III LoginServlet.java
                        28
                                      if(dto!=null) {
   > D LoginServlet
                        29
                                           nextPage = "mypage.jsp";
 > III LoginUlServlet.java
                                           String userid = dto.getUserid();
                        30
 > III LogoutServlet.java
                        31
 > MemberAddServlet.iava
 > MemberIdCheckServlet.i
                                           MemberService service = new MemberService();
                        32
 > MemberUIServlet.java
                                           MemberDTO x = service.mypage(userid);
                        33

✓ MyPageServlet.java
                        34
                                           session.setAttribute("login", x);
   MyPageServlet
com.dao
```

Com.service.MemberService

Com.dao.MemberDAO

```
public MemberDTO mypage(SqlSession session,String userid) {
    MemberDTO n = session.selectOne("MemberMapper.mypage", userid);
    return n;
}
```

memberMapper.xml의 mypage구현

```
<select id="mypage" parameterType="string" resultType="MemberDTO">
   select userid,passwd,username,post,addr1,addr2,
                         phone1,phone2,phone3,email1,email2
      from member
      where userid = #{userid}
 </select>
t id
   안녕하세요.홍길동 <u>로그아웃</u> <u>mypage</u>
   top dress outer bottom
  *아이디: 1
  *이름:홍길동
   13524
                        우편번호 찾기
   경기 성남시 분당구 대왕판
                       경기 성남시 분당구 삼평동
   전화번호: 010 🗸 - 1111
                                       - 2222
   이메일:aaa
                                naver.com
                                                    daum.net v
   회원가입
            취소
```

□ 8]마이페이지(회원정보보여주기까지만)

Member/mypage.jsp :세션에서 데이터를 가져와 폼에 데이터를 보여줌 전화번호 처리시 주의 회원정보 수정을 위해 유효성 체크 코드 기입

```
b K/SCript>
7⊖<%
               MemberDTO dto =(MemberDTO)session.getAttribute("login");
               String userid = dto.getUserid();
               String username = dto.getUsername();
               String post = dto.getPost();
               String addr1 = dto.getAddr1();
               String addr2 = dto.getAddr2();
               String phone1 = dto.getPhone1();
               String phone2 = dto.getPhone2();
               String phone3 = dto.getPhone3();
               String email1 = dto.getEmail1();
               String email2 = dto.getEmail2();
9 %>
0⊖ <form action="MemberAddServlet" method="get">
1 *아이디: <%= userid %><br>>
2 (br>
                                                                                                                                                                                                                                전화번호 처리시 주의 사항
3 *이름:<%= username %>
4 (hr>
  r | /2----- | 14---4" | ------ | 1/0/ | ----- | 1/0/ | ----- | 1/0/ | ------ | 1/0/ | ------ | 1/0/ | ------ | 1/0/ | ------ | 1/0/ | ------ | 1/0/ | ------ | 1/0/ | ------ | 1/0/ | ------ | 1/0/ | ------ | 1/0/ | ------ | 1/0/ | ------ | 1/0/ | ------ | 1/0/ | ------ | 1/0/ | ------ | 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | -----| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | -----| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | -------| 1/0/ | ------| 1/0/ | ------| 1/0/ | -------| 1/0/ | ------| 1/0/ | -------| 1/0/ | ------| 1/0/ | ------| 1/0/ | -------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | ------| 1/0/ | -------| 1/0/ | -------| 1/0/ | -------| 1/0/ | -------| 1/0/ | -------| 1/0/ | -------| 1/0/ | -------| 1/0/ | -------| 1/0/ | -------| 1/0/ | -------| 1/0/ | -------| 1/0/ | -------| 1/0/ | -------| 1/0/
                                                 81<sup>®</sup>전화번호:<select name="phone1">
                                                                      <option value="017"<% if("017".equals(phone1)){ %> selected<%} %>>017</option>
                                                  82
                                                                      <option value="011"<% if("011".equals(phone1)){ %> selected<%} %>>011
                                                 83
                                                                      <option value="010"<% if("010".equals(phone1)){ %> selected<%} %>>010</option>
                                                 84
                                                 85
```

9)회원정보수정

□ 9)회원정보수정

- Webconent/member/mypage.jsp수정
- Action 수정 및 사용자의 id를 수정을 위해 hidden을 이용 를 전 달함. 데이터 유효성검사

```
57⊖ <%
      MemberDTO dto =(MemberDTO)session.getAttribute("login");
58
      String userid = dto.getUserid();
      String username = dto.getUsername();
      String post = dto.getPost();
51
52
      String addr1 = dto.getAddr1();
      String addr2 = dto.getAddr2();
53
      String phone1 = dto.getPhone1();
54
      String phone2 = dto.getPhone2();
55
      String phone3 = dto.getPhone3();
56
57
      String email1 = dto.getEmail1();
      String email2 = dto.getEmail2();
58
'0⊖<form action="MemberUpdateServlet" method="post">
  <input type="hidden" value="<%= userid %>" name="userid" >
   *아이디: <%= userid %><br>
  <hr>
74 *이름:<%= username %>
75 (br>
76 <input type="text" value="<%= post %>" name="post" id="sample4 postcode" placeholder="우편변호">
```

□ 의회원정보수정

○ MemberUpdateServlet 작성

```
protected void doGet(HttpServletRequest request, HttpServletResponse response) ti
   HttpSession session = request.getSession();
   MemberDTO dto = (MemberDTO)session.getAttribute("login");
   String nextPage=null;
if(dto!=null) {
       request.setCharacterEncoding("utf-8");//한글처리
        String userid = request.getParameter("userid");
        String passwd = request.getParameter("passwd");
        String username = request.getParameter("username");
        String post = request.getParameter("post");
        String addr1 = request.getParameter("addr1");
        String addr2 = request.getParameter("addr2");
        String phone1 = request.getParameter("phone1");
        String phone2 = request.getParameter("phone2");
        String phone3 = request.getParameter("phone3");
        String email1 = request.getParameter("email1");
        String email2 = request.getParameter("email2");
        MemberDTO dto2 =
                new MemberDTO(userid, passwd, username, post,
                        addr1, addr2, phone1, phone2, phone3, email1, email2);
       MemberService service = new MemberService();
        int num = service.memberUpdate(dto2);
        nextPage = "main";
```

□ 9)회원정보수정

○ Com.service.MemberSerivce 및 dao작성, Mapper의 수정

```
public int memberUpdate(MemberDTO dto) {
        SqlSession session = MySqlSessionFactory.getSession();
         int n = 0;
        try {
                                                          1 package com.dao;
             MemberDAO dao = new MemberDAO();
             n = dao.memberUpdate(session, dto);
                                                          3⊕ import java.util.HashMap; ...
             session.commit();
        }finally {
           session.close();
                                                            public class MemberDAO {
         return n;
                                                                 public int memberUpdate(SqlSession session, MemberDTO dto) {
     }//end memberUpdate
                                                                         int n = session.update("MemberMapper.memberUpdate", dto);
                                                                         return n;
  nccp://mypacis.org/aca/mypacis-b-mapper.aca/

@<mapper namespace="MemberMapper">
    <update id="memberUpdate" parameterType="MemberDTO">
     update member
     set post = #{post},
     addr1 = \#\{addr1\},
     addr2 = \#\{addr2\},
     phone1 = #{phone1},
     phone2 = #{phone2},
     phone3 = #{phone3},
     email1 = #{email1},
     email2 = #{email2}
    where userid = #{userid}
    </update>
```

O common.menu menu.jsp수정 카테고리별 링크 걸기

Webcontext에 mypage.jsp생성, common top.jsp에서 링크 걸기

```
10 <h1>회원상세 페이지 화면입니다.</h1>
   top.jsp
                            11 <jsp:include page="common/top.jsp" flush="true" /><br>
 CSS
                            12 <jsp:include page="common/menu.jsp" flush="true" />
> 🗁 images
> 🗁 js
                            14 <jsp:include page="member/mypage.jsp" flush="true" />
member
                            15 </body>
   loginForm stu.jsp
   loginForm.jsp
                           16 </html>
    memberForm stu.jsp
    memberForm.jsp
    mypage.jsp
> > META-INF
> 🗁 lib
   x web.xml
 loginForm.jsp
 main.jsp
 memberForm stu.isp
  memberForm.jsp
                           📳 Markers 📃 Properties 🚜 Servers 🏙 Data Source Explorer 📔 Snippets 📮 Console 🔀
  mypage.jsp
                        ▼ Tomcat v8.5 Server at localhost [Apache Tomcat] C:\Program Files\Java\java\je1.8.0_261\Java.exe (2020)
```

```
> MemberUIServlet.java
                          11 안녕하세요.<%= username %>
   > # com.dao
                           12 <a href="LogoutServlet">로그아웃</a>
   > # com.dto
                           13 <a href="MyPageServlet">mypage</a>
   > # com.service
                           14
 Libraries
                          159 <%
> 🍃 build

✓ № WebContent

                                 }else{
 17 %>
     menu.jsp
                          18 <a href="LoginUIServlet">로그인</a>
    a top.jsp
                           19 <a href="MemberUIServlet">회원가입</a>
   CSS 🗁
```

○ MemberUpdateServlet 작성

```
protected void doGet(HttpServletRequest request, HttpServletResponse response) ti
   HttpSession session = request.getSession();
   MemberDTO dto = (MemberDTO)session.getAttribute("login");
   String nextPage=null;
if(dto!=null) {
       request.setCharacterEncoding("utf-8");//한글처리
        String userid = request.getParameter("userid");
        String passwd = request.getParameter("passwd");
        String username = request.getParameter("username");
        String post = request.getParameter("post");
        String addr1 = request.getParameter("addr1");
       String addr2 = request.getParameter("addr2");
        String phone1 = request.getParameter("phone1");
        String phone2 = request.getParameter("phone2");
        String phone3 = request.getParameter("phone3");
        String email1 = request.getParameter("email1");
        String email2 = request.getParameter("email2");
        MemberDTO dto2 =
                new MemberDTO(userid, passwd, username, post,
                        addr1, addr2, phone1, phone2, phone3, email1, email2);
       MemberService service = new MemberService();
        int num = service.memberUpdate(dto2);
        nextPage = "main";
```

□ 9)회원정보수정

○ Com.service.MemberSerivce 및 dao작성, Mapper의 수정

```
public int memberUpdate(MemberDTO dto) {
        SqlSession session = MySqlSessionFactory.getSession();
         int n = 0;
        try {
                                                         1 package com.dao;
             MemberDAO dao = new MemberDAO();
             n = dao.memberUpdate(session, dto);
                                                         3⊕ import java.util.HashMap;
             session.commit();
        }finally {
           session.close();
                                                            public class MemberDAO {
         return n;
                                                                 public int memberUpdate(SqlSession session, MemberDTO dto) {
     }//end memberUpdate
                                                                         int n = session.update("MemberMapper.memberUpdate", dto);
                                                                         return n;
  nccp://mypacis.org/aca/mypacis-b-mapper.aca/

@<mapper namespace="MemberMapper">
    <update id="memberUpdate" parameterType="MemberDTO">
     update member
     set post = #{post},
     addr1 = \#\{addr1\},
     addr2 = \#\{addr2\},
     phone1 = #{phone1},
     phone2 = #{phone2},
     phone3 = #{phone3},
     email1 = #{email1},
     email2 = #{email2}
    where userid = #{userid}
    </update>
```

10)아이디찾기

○ Filter class의 사용 com.filter.MyEncodingFilter등록

```
3⊕ import java.io.IOException;
   > MemberUpdateServlet.java ^
                              11
   > MyPageServlet.java
                              12 public class MyEncodingFilter implements Filter {

✓ 

    com.dao

                              13
   > J GoodsDAO.java
                              149
                                      @Override
   public void destroy() {
                             △15

✓ 

    com.dto

                                          System.out.println("destroy");
                              16
   > J GoodsDTO.java
                              17
   > MemberDTO.java
                              18
19⊖
                                      @Override

✓ J) MyEncodingFilter.java
                                      public void doFilter(ServletRequest request, ServletResponse response,
                             △20
     MyEncodingFilter
                                               FilterChain chain)
                              21

√ 

Æ com.service

                                               throws IOException, ServletException {
                              22
   > III GoodsService.java
                             23
                                          // TODO Auto-generated method stub
   > MemberService.java
                                          System.out.println("doFilter");
                              24
■ Libraries
                                           request.setCharacterEncoding("UTF-8");
                              25
build
                                          chain.doFilter(request, response); //체인 연결
                              26
▶ WebContent
                              27
common
                              28
CSS
```

○ Filter class의 사용 - web.xml의 수정

- Webcontent/member/
- O loginForm.jsp수정

로그인 폼 화면입니다.

<u>리그인 회원가입 장바구니</u> op dress outer bottom	
아이디: 네밀번호: 로그인 취소 <u>아이디찾기</u>	



O loginForm.jsp수정

```
1000
                            L/
                                                          event.preventherautt();
member
                            28
   idSearch isn
                            29
                                                 });
   loginForm_stu.jsp
                                   });
                            30
   loginForm.jsp
                            31 </script>
   memberForm stu.jsp
   memberForm.jsp
                            32@<form action="LoginServlet" method="get">
   mypage.jsp
                            33 아이디:<input type="text" name="userid" id="userid"><br>
 META-INF
                            34 비밀번호:<input type="text" name="passwd" id="passwd"><br>
  ⇒ sql
                            35 <input type="submit" value="로コ인">
  ⇒ WEB-INF
  🗁 lib
                            36 <input type="reset" value="취소">
   x web.xml
                            37 <a href="MemberIdSearchUIServlet">아이디찾기</a>
 idSearch.jsp
                                loginForm.jsp
                            39
 main.jsp
```

로그인 폼 화면입니다.

<u>르그인 회원가입 장바구니</u> op dress outer bottom				
아이디: 비밀번호:				
로그인 취소 아이디찾기				

O Com.controller.member.MemberldSearchUlServlet 작성

○ Webconent/idSearch.jsp 작성 include

```
1 kappage language="java" contentType="text/html; charset=UTF-8"
       pageEncoding="UTF-8"%>
 3 <!DOCTYPE html>
 40 <html>
 5⊖ <head>
 6 <meta charset="UTF-8">
 7 <title>Insert title here</title>
 8 </head>
 9⊖ <body>
10 <h1>쇼핑몰</h1>
11 <jsp:include page="common/top.jsp" flush="true" /><br>
12 <jsp:include page="common/menu.jsp" flush="true" />
13 <hr>>
14 <jsp:include page="member/idSearch.jsp" flush="true" />
15 </body>
16 </html>
```

○ Webconent/member/idSearch작성

```
1 king page language="java" contentType="text/html; charset=UTF-8"
                                      pageEncoding="UTF-8"%>
uery_project
ueryWorkshop
                               49<%
ervers
nopMiniMall
                                     String mesg = (String)request.getAttribute("mesg");
nopMiniMall_10_아이디찾기
                                    if(mesg!=null){
Deployment Descriptor: ShopMiniMall_10
                               7 %>
JAX-WS Web Services
                                80
                                     <script>

    Java Resources

                                       alert('<%=mesg %>');

    build

                                     </script>
                              10
WebContent
                              119<%
common
                              12
CSS 🗁
                              13 %>
goods
                              14@<form action="MemberIdSearchServlet" method="get">
images
                                   이름<input type="text" name="username"><br>
js
                              16의 휴대폰<select name="phone1">
member
                                          <option value="011">011</option>
                              17
  idSearch.jsp
                                          <option value="010">010</option>
                              18
  loginForm_stu.jsp
                                     </select>-
                              19
  loginForm.jsp
                              20
                                        <input type="text" name="phone2">-
  memberForm_stu.jsp
                                        <input type="text" name="phone3"><br>
  memberForm.jsp
                              21
                                  이메일<input type="text" name="email1">@
  mypage.jsp
                                        <input type="text" name="email2" id="email2" placeholder="직접 입력">
META-INF
                              23
🗁 sql
                                     <input type="submit" value="메일보내기">
                              24
WEB-INF
                              25
                                 </form>
loginForm.jsp
                              26
```

Ocom.controller.member. MemberldSearchServlet작성

```
protected void doGet(HttpServletRequest request, HttpServletResponse response)
     String username = request.getParameter("username").trim();
     String phone1 = request.getParameter("phone1").trim();
     String phone2 = request.getParameter("phone2").trim();
     String phone3 = request.getParameter("phone3").trim();
     String email1 = request.getParameter("email1").trim();
     String email2 = request.getParameter("email2").trim();
     MemberDTO dto = new MemberDTO();
     dto.setUsername(username);
     dto.setPhone1(phone1);
     dto.setPhone2(phone2);
     dto.setPhone3(phone3);
     MemberService service = new MemberService();
     String userid = service.idSearch(dto);
     String nextPage = null;
     if(userid==null) {
         nextPage="MemberIdSearchUIServlet";
         request.setAttribute("mesg", "이름 또는 핸드폰이 등록되지 않은 정보");
     }else {
         nextPage="SendMailServlet";
         request.setAttribute("mailTo", email1+"@"+email2);
         request.setAttribute("userid", userid);
```

Com.serivce.MemberSerivce작성

```
public class MemberService {
    public String idSearch(MemberDTO dto) {
        SqlSession session = MySqlSessionFactory.getSession();
        String userid = null;
        try {
             MemberDAO dao = new MemberDAO();
             userid = dao.idSearch(session, dto); }
        }catch(Exception e) {
                                                        public class MemberDAO {
             e.printStackTrace();
        }finally {
                                                       Θ
                                                            public String idSearch(SqlSession session,
             session.close();
                                                                  MemberDTO dto) {
                                                               String userid = session.selectOne("MemberMapper.idSearch",dto);
        return userid;
                                                               return userid;
    }
```

Ocom.mail.SendMail(메일 id저장, 비번 입력)

부자

○ Com.mail.SendMailSevlet의 작성

```
@WebServlet("/SendMailServlet")
public class SendMailServlet extends HttpServlet {
   protected void doGet(HttpServletRequest request, HttpServletRe
       String mailTo= (String)request.getAttribute("mailTo");
       String userid = (String)request.getAttribute("userid");
   System.out.println(mailTo+"\t"+userid);
       String host = "smtp.naver.com";
       String subject = "네이버를 이용한 메일발송";
       String from = ### (기보내는 메일
      String fromName = "Test";
       String to = The The Table 1 (기반는 메일
       String content = "아이디:" + userid;//메일내용
                                                       기본 환경 설정
```

○메일 설정



11)제품상세보기

○ Goods/goodsList.jsp 이미지 링크 수정 제품 코드 링크

```
List<GoodsDTO> list = (List<GoodsDTO>)request.getAttribute("goodsList");
for(int i=1;i<=list.size();i++){</pre>
   GoodsDTO dto = list.get(i-1);
   String gCode = dto.getgCode();
   String gCategory = dto.getgCategory();
   String gName = dto.getgName();
   String gContent = dto.getgContent();
   int gPrice = dto.getgPrice();
   String gImage = dto.getgImage();
                   >
                      >
                                 <a href="GoodsRetrieveServlet?aCode=<%=gCode %>"><!-- 0</pre>
                                      <img src="images/items/<%=gImage %>.gif" border="0"
                                  </a>
```

O Com.controller.goods GoodsRetriveServlet작성, GoodsService

```
18
19 @WebServlet("/GoodsRetrieveServlet")
b20 public class GoodsRetrieveServlet extends HttpServlet {
21
22⊖
        protected void doGet(HttpServletRequest request, HttpServletResponse response) +
23
             String gCode = request.getParameter("gCode");
24
25
             GoodsService service = new GoodsService():
26
             GoodsDTO dto = service.goodsRetrieve(gCode);
27
28
             request.setAttribute("goodsRetrieve", dto);
29
30
             RequestDispatcher dis = request.getRequestDispatcher("goodsRetrieve.jsp");
31
             dis.forward(request, response);
32
33
pMiniMall_11_상품상세모기
                          16
Deployment Descriptor: ShopMini
                          17
AX-WS Web Services
                          18⊜
                                    public GoodsDTO goodsRetrieve(String gCode) {
ava Resources
                                           SqlSession session = MySqlSessionFactory.getSession();
                          19
3 src
                                           GoodsDTO list = null:
                          20
com.config
                                           try {
                          21
Æ com.controller.goods
                          22
                                                 GoodsDAO dao = new GoodsDAO();
Æ com.controller.main
                          23
                                                 list = dao.goodsRetrieve(session, gCode);
com.controller.member
                                           }catch(Exception e) {
                          24
 com.dao
                                               e.printStackTrace();
                          25
 em com.dto
                          26
                                           }finally {
 com.filter
                                               session.close():
                          27
# com.mail
                          28
Æ com.service
                          29
                                           return list:
 GoodsService.java
                                       }//end idCheck
   > GoodsService
                          30
```

○ GoodsDAO, Mapper의 수정

```
public class GoodsDAO {
      public GoodsDTO goodsRetrieve(SqlSession session, String gCode) {
)⊝
         GoodsDTO list =
                     session.selectOne("GoodsMapper.goodsRetrieve", gCode);
             return list;
  4 | "http://mybatis.org/dtd/mybatis-3-mapper.dtd">
  5⊖ <mapper namespace="GoodsMapper">
  6
  7⊝
         <select id="goodsRetrieve" parameterType="string" resultType="GoodsDTO">
            select gCode,gCategory,gName,gContent,gPrice,gImage
            from goods
            where gCode = #{gCode}
 10
 11
         </select>
 12
```

○ Webcontent goodsRetrive.jsp 작성

```
> de com.dto
                                7 <title>Insert title here</title>
   > H com.filter
                                 8 </head>
   > 🔠 com.mail
                                9⊖ <body>
   > A com.service
                               10 <h1>상품상세 화면입니다.</h1>
 > 📥 Libraries
                               11 <jsp:include page="common/top.jsp" flush="true" /><br>
> 📂 build
                               12 <jsp:include page="common/menu.jsp" flush="true" />

▼ № WebContent

                               13 <hr>>
 > 🗁 common
                               14 <jsp:include page="goods/goodsRetrieve.jsp" flush="true" />
   CSS
                               15 </body>

✓ № goods

                               16 </html>
     goodsList_stu.jsp
     goodsList.jsp
     goodsRetrieve.jsp
 > 📂 images
 > 🗁 js
 > > member
 > 🍃 META-INF
 > 🗁 sql
 > 🍃 WEB-INF
   goodsRetrieve.jsp
```

○ Webcontent /goods/GoodsRetrive.jsp 작성-화면보이기까지만

```
pageEncoding="UTF-8"%>
3
49 <%
   GoodsDTO dto = (GoodsDTO)request.getAttribute("goodsRetrieve");
   String gCode = dto.getgCode();
7
   String gName = dto.getgName();
   int gPrice = dto.getgPrice();
8
9
   String gImage = dto.getgImage();
LØ
L1 %>
12@<form name="goodRetrieveForm" method="GET" action="#">
        <input type="hidden" name="qImage" value="outer2"> <input</pre>
L3
        type="hidden" name="qCode" value="02"> <input
L4
        type="hidden" name="qName" value="하는 버튼 베이직 울코트"> <input
L5
        type="hidden" name="gPrice" value="52800">
L6
L7
     [8⊝
L9⊝
         20
21
        22⊖
        >
23⊝
               24⊖
                  border="0" style='margin-left: 30px'>
25
26⊖
                  <font size="5"><b>- 상품 정보 -</b></font>
27⊝
```

12)카트저장

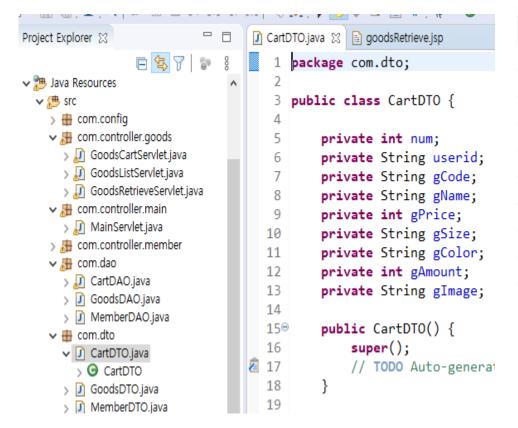
□ 12]카트저장

○ Cart table생성: shop/ shop

```
--장바구니 테이블
drop table cart purge;
create table cart
  num NUMBER(6) PRIMARY KEY,
  userid VARCHAR2(10),
  gCode varchar2(20) not null,
   gName varchar2(50) not null,
  gPrice NUMBER(6) not null,
  gSize CHAR(1) not null,
   gColor VARCHAR2(10) not null,
   gAmount NUMBER(2) not null,
   gImage varchar2(20) not null
alter table cart
add CONSTRAINT cart_userid_fk FOREIGN KEY(userid)
REFERENCES member(userid) ON DELETE CASCADE;
alter table cart
add CONSTRAINT cart gCode fk FOREIGN KEY(gCode)
REFERENCES goods(gCode) ON DELETE CASCADE;
 create sequence cart seq;
```

P-1				
		DATA_TYPE		⊕ NULL
1	NUM	NUMBER(6,0)		No
2	USERID	VARCHAR2 (10	BYTE)	Yes
3	GCODE	VARCHAR2 (20	BYTE)	No
4	GNAME	VARCHAR2 (50	BYTE)	No
5	GPRICE	NUMBER(6,0)		No
6	GSIZE	CHAR (1 BYTE)		No
7	GCOLOR	VARCHAR2 (10	BYTE)	No
8	GAMOUNT	NUMBER(2,0)		No
9	GIMAGE	VARCHAR2 (20	BYTE)	No

O Com.dto CartDTO생성



Pal				
		DATA_TYPE		♦ NULL
1	NUM	NUMBER(6,0)		No
2	USERID	VARCHAR2 (10	BYTE)	Yes
3	GCODE	VARCHAR2 (20	BYTE)	No
4	GNAME	VARCHAR2 (50	BYTE)	No
5	GPRICE	NUMBER(6,0)		No
6	GSIZE	CHAR (1 BYTE)		No
7	GCOLOR	VARCHAR2 (10	BYTE)	No
8	GAMOUNT	NUMBER(2,0)		No
9	GIMAGE	VARCHAR2 (20	BYTE)	No

- Goods/goodsRetrive의 수정
- 상품을 카트에 저장시 필요한 데이터를 hidden으로
- 으로 전달하게 구현

```
D4 K/SCPIPL2
35⊖ <%
     GoodsDTO dto = (GoodsDTO)request.getAttribute("goodsRetrieve");
36
     String gCode = dto.getgCode();
37
38
     String gName = dto.getgName();
     int gPrice = dto.getgPrice();
39
     String gImage = dto.getgImage();
10
|3⊝<form name="goodRetrieveForm" method="GET" >
           <input type="hidden" name="gImage" value="<%=gImage%>"> <input</pre>
           type="hidden" name="gCode" value="<%=gCode%>"> <input
           type="hidden" name="gName" value="<%=gName%>"> <input
           type="hidden" name="gPrice" value="<%=gPrice%>">
```

O Com.controller.GoodsCartServlet 작성

```
MemberDTO dto = (MemberDTO)session.getAttribute("login");
String nextPage = null;
if(dto!=null) {
   String gImage = request.getParameter("gImage");
   String gCode = request.getParameter("gCode");
   String gName = request.getParameter("gName");
   String gPrice = request.getParameter("gPrice");
   String gSize = request.getParameter("gSize");
   String gColor = request.getParameter("gColor");
   String gAmount = request.getParameter("gAmount");
   String userid=dto.getUserid();
   CartDTO xx = new CartDTO();
   xx.setgImage(gImage);
   xx.setgCode(gCode);
   xx.setgName(gName);
   xx.setgPrice(Integer.parseInt(gPrice));
   xx.setgSize(gSize);
   xx.setgColor(gColor);
   xx.setgAmount(Integer.parseInt(gAmount));
   xx.setUserid(userid);
   CartService service = new CartService();
   int n=service.cartAdd(xx);
   nextPage = "GoodsRetrieveServlet?gCode="+gCode;
   session.setAttribute("mesg",gCode+" Cart저장성공" );
```

○ goodsRetrive.jsp 에 서 mesg출력후 삭제

```
CartDTO.java
                goodsRetrieve.jsp 💢 🎵 GoodsCartServlet.java
                                            1 <mpage import="com.dto.GoodsDTO"%>
69
         2 \( page language="java" contentType="text/html; charset=UTF-8"
              pageEncoding="UTF-8"%>
         49 < %
ava
             String mesg = (String)session.getAttribute("mesg");
            if(mesg!=null){
        7 %>
             <script>
              alert('<%=mesg %>');
             </script>
        119 <%
            session.removeAttribute("mesg");
```

Ocom.service.CartService

```
→ Import org.apacne.ibatis.session.5qi5ession;
8
  public class CartService {
10
11⊖
       public int cartAdd(CartDTO dto) {
           SqlSession session = MySqlSessionFactory.getSession();
12
           int n = 0;
13
           try {
4
               CartDAO dao = new CartDAO();
15
               n = dao.cartAdd(session, dto);
16
               session.commit();
17
           } finally {
18
               session.close();
19
20
21
           return n;
       }// end cartAdd
12
) 3
```

Com.dao.CartDAO

```
package com.dao;

import java.util.List;

public class CartDAO {

public int cartAdd(SqlSession session, CartDTO dto) {
   int n = session.insert("CartMapper.cartAdd", dto);
   return n;
}

filter

prockage com.dao;

public int java.util.List;

public class CartDAO {
   int cartAdd(SqlSession session, CartDTO dto) {
        int n = session.insert("CartMapper.cartAdd", dto);
        return n;
}
```

○ Com.config.configuration.xml 수정

```
<typeAliases>
 <typeAlias type="com.dto.MemberDTO" alias="MemberDTO"/>
<typeAlias type="com.dto.GoodsDTO" alias="GoodsDTO"/>
 <typeAlias type="com.dto.CartDTO" alias="CartDTO"/>
</typeAliases>
<environments default="development">
     <environment id="development">
         <transactionManager type="JDBC" />
         <dataSource type="POOLED">
             cproperty name="driver" value="${driver}" />
             cproperty name="url" value="${url}" />
             cproperty name="username" value="${username}"
             cproperty name="password" value="${xxx}" />
         </dataSource>
     </environment>
</environments>
 <mappers>
     <mapper resource="com/config/MemberMapper.xml" />
     <mapper resource="com/config/GoodsMapper.xml" />
     <mapper resource="com/config/CartMapper.xml" />
 </mappers>
```

O com.config.cartMapper.xml의 작성

13)카트목록보기

□ 13]카트목록보기

○ Webcontent/common/top.jsp 수정

```
🖻 🐎 🕶 🔘 🕶 💁 🕶 🥰 🛨 🛗 🕶 🥵 🖒 🛷 🕶 🚳 🚜 🛂 🔻 🕌
 MainServlet.java
                 x web.xml
                           jdbc.properties
                                           ■ top.jsp \(\times\)
   1 k@page import="com.dto.MemberDTO"%>
   2 <  page language="java" contentType="text/ht</pre>
          pageEncoding="UTF-8"%>
   5 € < %
        MemberDTO dto =(MemberDTO)session.getAttri
        if(dto != null){
          String username = dto.getUsername();
   9
  11 안녕하세요.<%= username %>
  12 <a href="LogoutServlet">로그아웃</a>
  13 <a href="MyPageServlet">mypage</a>
  14 <a href="CartListServlet">장바구니 목록</a>
```

Main 화면입니다.

안녕하세요.1 로그아웃 mypage 장바구니 목록

Com.controller.goods.CartListServlet

```
tected void doGet(HttpServletRequest request, HttpServletResponse
                                                                     활용
 HttpSession session = request.getSession();
  MemberDTO dto = (MemberDTO)session.getAttribute("login");
 String nextPage = null;
  if(dto!=null) {
    String userid =dto.getUserid();
    CartService service =new CartService();
    List<CartDTO> list = service.cartList(userid);
    request.setAttribute("cartList", list);
    nextPage = "cartList.jsp";
  }else {
      nextPage = "LoginUIServlet";
      session.setAttribute("mesg", "로그인이 필요한 작업입니다.");
RequestDispatcher dis = request.getRequestDispatcher(nextPage);
dis.forward(request, response);
```

- O Login시의 session정보
- ld 로장바구니 정보검색
- O CartList.jsp로 이동

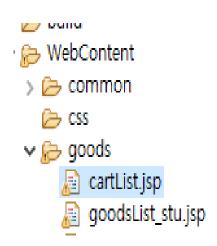
O Com.service.goods.CartService 작성

```
blic class CartService {
                                                                 ○ Com.dao.CartDAO 작성.
  public List<CartDTO> cartList(String userid) {
                                                                 ○ CartMapper.xml작성
        SqlSession session = MySqlSessionFactory.getSession();
        List<CartDTO> list = null;
        try {
           CartDAO dao = new CartDAO();
                                                           public List<CartDTO> cartList(SqlSession session, String userid) {
            list = dao.cartList(session, userid);
                                                                 List<CartDTO> list =
        }catch(Exception e) {
           e.printStackTrace();
                                                                        session.selectList("CartMapper.cartList", userid);
        }finally {
                                                                 return list;
           session.close();
        return list;
     }//end idCheck
    <select id="cartList" parameterType="string" resultType="CartDTO">
      select num, userid, gCode, gPrice, gSize, gColor, gAmount, gName, gImage
      from cart
      where userid = #{userid}
    </select>
```

○ Webcontent/cartList.jsp작성 및 include

```
pageEncoding="UTF-8"%>
 3 <!DOCTYPE html>
40 <html>
5⊕ <head>
6 <meta charset="UTF-8">
7 <title>Insert title here</title>
8 </head>
9⊜ <body>
11 <h1>장바구니 목록 화면입니다.</h1>
12 <jsp:include page="common/top.jsp" flush="true" /><br>
13 <jsp:include page="common/menu.jsp" flush="true" />
14 <hr>
15 <jsp:include page="goods/cartList.jsp" flush="true" />
16 </body>
17 </html>
```

- Webcontent/goods/
- O cartList.jsp작성



- Webcontent/goods/cartList.jsp작성
- → request의 데이터 화면에 보이기

```
<form name="myForm">
€<%
    List<CartDTO> list = (List<CartDTO>)request.getAttribute("cartList");
    for(int i=0 ; i<list.size();i++){</pre>
     CartDTO dto = list.get(i);
     int num = dto.getNum();
     String userid = dto.getUserid();
     String gCode = dto.getgCode();
     String gName = dto.getgName();
     int gPrice = dto.getgPrice();
     String gSize = dto.getgSize();
     String gColor = dto.getgColor();
     int gAmount = dto.getgAmount();
     String gImage = dto.getgImage();
 %>
              <input type="text" name="num81" value="81" id="num81">
         <input type="text" name="gImage81" value="bottom1" id="gImage81">
          <input type="text" name="gName81" value="제나레이스스커트" id="gName81">
           <input type="text" name="gSize81" value="L" id="gSize81">
            <input type="text" name="aColor81" value="navy" id="aColor81">
            <input type="text" name="gPrice81" value="9800" id="gPrice81">
```

cartList.jsp

5	슬리브 러플 블라우스 [옵션 : 사이즈(L) , 색상(navy)]	12100	3 수정	24200 주문	삭제
2	앨리스 데님 탑 [옵션 : 사이즈(L) , 색상(black)]	12100	3 수정	12100 주문	삭제
4	슬리브 러플 블라우스 [옵션 : 사이즈(L) , 색상(black)]	12100	3 수정	12100 주문	삭제

14)카트개별삭제

○ Webcontent/goods cartList.jsp의 수정

```
//수정버튼
$(".updateBtn").on("click",function(){
    var num= $(this).attr("data-xxx");
    var gAmount = $("#cartAmount"+num).val();
    var gPrice= $(this).attr("data-price");
    $.ajax({
        url: 'CartUpdateServlet',
        type: 'get',
        dataType: 'text',
        data:{
            num:num,
            gAmount:gAmount
        },
        success:function(data,status,xhr){
            var sum=gAmount*gPrice;
            $("#sum"+num).text(sum);
        },
        error: function(xhr, status, error){
    });//end ajaxgkgk
```

- 수정버튼의 ajax 처리
- 삭제, 전체선택버튼처리

```
//삭제버튼
$(".delBtn").on("click",function(){
    var num= $(this).attr("data-xxx");
    location.href="CartDelServlet?num="+num;
});

//전체선택
$("#allCheck").on("click",function(){
    var result = this.checked;
    $(".check").each(function(idx,data){
        this.checked=result;
    });
});
```

○ Webcontent/goods cartList.jsp의 수정

```
//수정버튼
$(".updateBtn").on("click",function(){
    var num= $(this).attr("data-xxx");
    var gAmount = $("#cartAmount"+num).val();
    var gPrice= $(this).attr("data-price");
    $.ajax({
        url: 'CartUpdateServlet',
        type: 'get',
        dataType: 'text',
        data:{
            num:num,
            gAmount:gAmount
        },
        success:function(data,status,xhr){
            var sum=gAmount*gPrice;
            $("#sum"+num).text(sum);
        },
        error: function(xhr, status, error){
    });//end ajaxgkgk
```

- 수정버튼의 ajax 처리(추후 구현)
- 삭제, 전체선택버튼처리

```
//삭제버튼
$(".delBtn").on("click",function(){
    var num= $(this).attr("data-xxx");
    location.href="CartDelServlet?num="+num;
});

//전체선택
$("#allCheck").on("click",function(){
    var result = this.checked;
    $(".check").each(function(idx,data){
        this.checked=result;
    });
});
```

- Webcontent/goods cartList.jsp의 수정(수정부분에
- 사용자정의 속성 사용)

```
size="2" value="⟨%=gAmount%⟩">⟨/input>⟨/td⟩
⟨td⟩⟨input type="button" value="∱%"
class="updateBtn"
data-xxx="⟨%=num %>"
data-price="⟨%=gPrice %>"⟩
```

○ 삭제버튼에 사용자정의 속성사용

```
○ 삭제시 num전송
```

```
//삭제버튼
$(".delBtn").on("click",function(){
    var num= $(this).attr("data-xxx");
    location.href="CartDelServlet?num="+num;
});
```

O com.controller.CartDelServlet의 작성

```
@WebServlet("/CartDelServlet")
                                                                             .c class CartListServlet extends HttpServlet {
public class CartDelServlet extends HttpServlet {
    protected void doGet(HttpServletRequest request, HttpServletRespon
                                                                             rotected void doGet(HttpServletRequest request, HttpServletResponse
         HttpSession session = request.getSession();
          MemberDTO dto = (MemberDTO)session.getAttribute("login");
                                                                                 HttpSession session = request.getSession();
         String nextPage = null;
                                                                                  MemberDTO dto = (MemberDTO)session.getAttribute("login");
          if(dto!=null) {
           String num = request.getParameter("num");
                                                                                 String nextPage = null;
                                                                                  if(dto!=null) {
           CartService service = new CartService();
           int n = service.cartDel(Integer.parseInt(num));
                                                                                    String userid =dto.getUserid();
                                                                                    CartService service =new CartService();
            nextPage = "CartListServlet";
                                                                                    List<CartDTO> list = service.cartList(userid);
          }else {
                                                                                    request.setAttribute("cartList", list);
              nextPage = "LoginUIServlet";
              session.setAttribute("mesg", "로그인이 필요한 작업입니다.");
                                                                                    nextPage = "cartList.jsp";
         response.sendRedirect(nextPage);
    ì
```

om.service.CartService, com.dao.CartDAO수정

```
public int cartDel(int num) {
    SqlSession session = MySqlSessionFactory.getSession();
    int n = 0;
    try {
        CartDAO dao = new CartDAO();
        n = dao.cartDel(session, num);
        session.commit();
    } finally {
        session.close();
    }
        public int cartDel(SqlSession session, int num) {
        int n = session.delete("CartMapper.cartDel", num);
        return n;
    }
}// end cartAdd
```

○ com.config.cartMapper.xml수정

```
<delete id="cartDel" parameterType="int">
  delete
  from cart
  where num = #{num}
</delete>
```

Ocom.controller.goods.CartListServlet

```
tected void doGet(HttpServletRequest request, HttpServletResponse
 HttpSession session = request.getSession();
  MemberDTO dto = (MemberDTO)session.getAttribute("login");
 String nextPage = null;
  if(dto!=null) {
    String userid =dto.getUserid();
    CartService service =new CartService();
    List<CartDTO> list = service.cartList(userid);
    request.setAttribute("cartList", list);
    nextPage = "cartList.jsp";
  }else {
      nextPage = "LoginUIServlet";
      session.setAttribute("mesg", "로그인이 필요한 작업입니다.");
RequestDispatcher dis = request.getRequestDispatcher(nextPage);
dis.forward(request, response);
```

15)카트갯수수정

- Webcontent.goods.cartList.jsp수정-
- 수정버튼 클릭시 비동기update

```
1.수정버튼
 //수성버든
$(".updateBtn").on("click",function(){
                                                         <input type="button" value="수정"
    var num= $(this).attr("data-xxx");
                                                         class="undateBtn"
    var gAmount = $("#cartAmount"+num).val();
                                                         data-xxx="<%=num %>"
    var gPrice= $(this).attr("data-price");
                                                         data-price="<%=gPrice %>">
    $.ajax({
        url: 'CartUpdateServlet',
        type: 'get',
                                                     2.수량수정
        dataType: 'text',
        data:{
                                                  <input class="input default" type="text" name="cartAmount"</pre>
            num: num,
            gAmount:gAmount
                                                     <u>id="cartAmount<%=num %>"</u>style="text-align: right" maxlength="3'
        },
                                                     size="2" value="<%=gAmount%>"></input></rr>
        success:function(data, status, xhr){
                                                  <input type="button" value="수정"
            var sum=gAmount*gPrice;
            $("#sum"+num).text(sum);
        },
                                                     3.Sum수정
        error: function(xhr, status, error)
                                             <td class="td default" align="center" width="80"
    });//end ajaxgkgk
                                                 style='padding-left: 5px'><span id="sum<%=num%>">
                                                 <%= gPrice*gAmount %>
                                                 </span>
```

Ocom.controller.goods.CartUpdateServlet 작성

```
25 public class CartUpdateServlet extends HttpServlet {
26
       protected void doGet(HttpServletRequest request, HttpServletResport
27⊝
28
            HttpSession session = request.getSession();
29
             MemberDTO dto = (MemberDTO)session.getAttribute("login");
30
            String nextPage = null;
31
             if(dto!=null) {
32
              String num = request.getParameter("num");
33
              String gAmount = request.getParameter("gAmount");
34
35
             HashMap<String, Integer> map = new HashMap<>();
             map.put("num", Integer.parseInt(num));
36
             map.put("gAmount", Integer.parseInt(gAmount));
37
38
             CartService service = new CartService();
39
             int n= service.cartUpdate(map);
40
41
             }else {
42
                 nextPage = "LoginUIServlet";
43
                 session.setAttribute("mesg", "로그인이 필요한 작업입니다.");
44
45
                 response.sendRedirect(nextPage);
46
```

Db업데이만 처리 후 Jsp에서 sucess부분에서 Sum값을 변경함

16)카트전체삭제

1. 전체선택 동작 기능 구현

```
//전체선택
$("#allCheck").on("click",function(){
    var result = this.checked;
    $(".check").each(function(idx,data){
        this.checked=result;
    });
});
```

2. 체크박스 선택시 value에 num 을 저장하도록 변경

3. 전체삭제-1 (form의 action부분을 삭제 이벤트로 처리함

4. 전체삭제-1 이벤트 처리 선택된 항목의 value=num을 배열로 저장 url로 전송함 -CartDelAllServlet 구현 Data= 1.2.3.4.5

```
//전체cart 삭제
$("#delAllCart").on("click",function(){
    var num=[];
    $("input:checkbox[name='check']:checked").each(function(idx,ele){
        num[idx]=$(this).val();
    });
    console.log(num);
    location.href="CartDelAllServlet?data="+num;
});
/**The contract of the contract
```

5. 전체삭제-2 폼의 데이터를 그냥 전송 하는 경우-CartDelAllServlet2 구현

```
});
//전체cart 삭제
$("#delAllCart2").on("click",function(){

$("form").attr("action", "CartDelAllServlet2");
$("form").submit();// trigger
});
});
```

Ocom.controller.goods. CartDelAllServlet의 구현Data= 1,2,3,4,5

```
//전체cart 삭제
$("#delAllCart").on("click",function(){
   var num=[];
   $("input:checkbox[name='check']:checked").each(function(idx,ele){
      num[idx]=$(this).val();
   });
   console.log(num);
   location.href="CartDelAllServlet?data="+num;
});
@WebServlet("/CartDelAllServlet")
public class CartDelAllServlet extends HttpServlet {
     protected void doGet(HttpServletRequest request, HttpServletRespon
          HttpSession session = request.getSession();
           MemberDTO dto = (MemberDTO)session.getAttribute("login");
          String nextPage = null;
           if(dto!=null) {
            String data = request.getParameter("data");
            System.out.println(data);// "10,20,21"
              List<String> list1= Arrays.asList("10","20","30");
            List<String> list2= Arrays.asList("10,20,21");*/
         String [] x = data.split(",");
            List<String> list= Arrays.asList(x);
            CartService service = new CartService();
            int n = service.cartAllDel(list);
             nextPage = "CartListServlet";
           }else {
               nextPage = "LoginUIServlet";
               session.setAttribute("mesg", "로그인이 필요한 작업입니다.");
           3
```

Ocom.service.CartService의 구현Data= 1,2,3,4,5

```
public int cartAllDel(List<String> list) {
    SqlSession session = MySqlSessionFactory.getSession();
    int n = 0;
    try {
        CartDAO dao = new CartDAO();
        n = dao.cartAllDel(session, list);
        session.commit();
    } finally {
        session.close();
    }
    return n;
}// end cartAdd
```

O Com.dao.CartDAO의 구현Data= 1,2,3,4,5

```
public int cartAllDel(SqlSession session, List<String> list) {
   int n = session.delete("CartMapper.cartAllDel", list);
   return n;
}
```

Ocom.controller.goods. CartDelAllServlet2의 구현 String []로 전송

});

Request.getParameterValues:String[]

```
//전체cart 삭제
                                                                 $("#delAllCart2").on("click",function(){
                                                                    $("form").attr("action", "CartDelAllServlet2");
                                                                   $("form").submit();// trigger
ervlet("/CartDelAllServlet2")
: class CartDelAllServlet2 extends HttpServlet {
rotected void doGet(HttpServletRequest request, HttpServletResponse
    HttpSession session = request.getSession();
    MemberDTO dto = (MemberDTO)session.getAttribute("login");
    String nextPage = null;
     if(dto!=null) {
      String [] data = request.getParameterValues("check");
      List<String> list= Arrays.asList(data);
      CartService service = new CartService();
      int n = service.cartAllDel(list);
       nextPage = "CartListServlet";
```

17) Order Confirm

- Webcontent/goods/cartList.jsp 수정
- 수정과 삭제 버튼에 사용자정의 속성 사용 data-

```
\/ Spall/\/ Lu/
<input type="button" value="주문" class="orderBtn" data-xxx="<%=num%>">
<td class="td default" align="center" width="30"
   style='padding-left: 10px'>
   <input type="button" value="4利" id="xx<%=i %>"
    class="delBtn" data-xxx="<%=num%>">
//주문버튼
 $(".orderBtn").on("click", function(){
    var num= $(this).attr("data-xxx");
    location.href="CartOrderConfirmServlet?num="+num;
 });
//삭제버튼
$(".delBtn").on("click",function(){
    var num= $(this).attr("data-xxx");
    location.href="CartDelServlet?num="+num;
});
```

```
<a class="a_black"
    href="javascript:orderAllConfirm(myForm)"> 전체 주문하기 </a>&nbsp;&nbsp;&nbsp;

<p
```

18) Order Done

OrderInfo table생성과 Sequence테이블 생성

```
--주문 테이블
   create table orderInfo
   num NUMBER(6) PRIMARY KEY,
   userid VARCHAR2(10),
   gCode varchar2(20) not null,
   gName varchar2(50) not null,
   gPrice NUMBER(6) not null,
   gSize CHAR(1) not null,
   gColor VARCHAR2(10) not null,
   gAmount NUMBER(2) not null,
   gImage varchar2(20) not null,
   orderName VARCHAR2(10) NOT NULL,
   post VARCHAR2(5) NOT NULL,
   addr1 VARCHAR2(500) NOT NULL,
   addr2 VARCHAR2(500) NOT NULL,
   phone VARCHAR2(11) NOT NULL,
   payMethod VARCHAR2(10) NOT NULL,
   orderDay DATE DEFAULT SYSDATE
);
alter table orderInfo
add CONSTRAINT orderInfo userid fk FOREIGN KEY(userid)
 REFERENCES member(userid) ON DELETE CASCADE;
```

```
alter table orderInfo
add CONSTRAINT orderInfo_userid_fk FOREIGN KEY(userid)
REFERENCES member(userid) ON DELETE CASCADE;

alter table orderInfo
add CONSTRAINT orderInfo_gCode_fk FOREIGN KEY(gCode)
REFERENCES goods(gCode) ON DELETE CASCADE;

create sequence orderInfo_seq;
```

O Com.dto.OrderDTO작성

```
1 package com.dto;
2
  public class OrderDTO {
       int num;
       String userid;
      String gCode;
      String gName;
       int gPrice;
       String gSize;
       String gColor;
.0
       int gAmount;
.1
       String gImage;
       String orderName;
       String post;
4
       String addr1;
.5
       String addr2;
.6
       String phone;
.7
       String payMethod;
.8
       String orderday;
       public OrderDTO() {
00
0
           super();
1
2
           // TODO Auto-generated con
.3
```

	ų	v
1	NUM	NUMBER(6,0)
2	USERID	VARCHAR2 (10 BYTE)
3	GCODE	VARCHAR2 (20 BYTE)
4	GNAME	VARCHAR2 (50 BYTE)
5	GPRICE	NUMBER(6,0)
6	GSIZE	CHAR(1 BYTE)
7	GCOLOR	VARCHAR2 (10 BYTE)
8	GAMOUNT	NUMBER(2,0)
9	GIMAGE	VARCHAR2 (20 BYTE)
10	ORDERNAME	VARCHAR2 (10 BYTE)
11	POST	VARCHAR2 (5 BYTE)
12	ADDR1	VARCHAR2 (500 BYTE)
13	ADDR2	VARCHAR2 (500 BYTE)
14	PHONE	VARCHAR2 (11 BYTE)
15	PAYMETHOD	VARCHAR2 (10 BYTE)
16	ORDERDAY	DATE

```
<typeAliases>
  <typeAlias type="com.dto.MemberDTO" alias="MemberDTO"/>
  <typeAlias type="com.dto.GoodsDTO" alias="GoodsDTO"/>
    <typeAlias type="com.dto.CartDTO" alias="CartDTO"/>
    ktypeAlias type="com.dto.OrderDTO" alias="OrderDTO"/>
    </typeAliases>
```

- Com.controller.goods.CartOrderConfirmServlet
- 기존 서비스 구현 함수 cartbNum, myPage를 활용함

```
request.setAttribute("cDTO", cDTO);
request.setAttribute("mDTO", mDTO);
```

nextPage = "orderConfirm.jsp";

○ Webcontent/orderConfirm.jsp작성

```
pagerneourng- on o we

▼ ShopMiniMall_17_orderConfirm

                                  3 <!DOCTYPE html>
  > 📆 Deployment Descriptor: ShopN
                                 4⊖ <html>
  > A JAX-WS Web Services
                                  5⊕ <head>
  > 🅦 Java Resources
                                  6 <meta charset="UTF-8">
  > 🍃 build
                                  7 <title>Insert title here</title>

▼ № WebContent

                                  8 </head>
   > 📂 common
                                  9<sup>⊕</sup> <body>
     CSS
                                10
   > 🔑 goods
                                11
   > 📂 images
                                12 <h1>주문 확인 화면입니다.</h1>
   > 🗁 js
                                13 <jsp:include page="common/top.jsp" flush="true" /><br>
    > > member
                                14 <jsp:include page="common/menu.jsp" flush="true" />
    > > META-INF
                                15 <hr>>
    > 🔑 order
                                16 <jsp:include page="order/orderConfirm.jsp" flush="true"
   > 🗁 sql
                                17 </body>
    > A WEB-INF
                                18 </html>
      cartList.jsp
      goodsRetrieve.jsp
      idSearch.jsp
      loginForm.jsp
      main.jsp
      memberForm_stu.jsp
      memberForm.jsp
      mypage.jsp
        orderConfirm.jsp
```



○ Webcontent/order/orderConfirm.jsp작성

```
27⊖ <%
        CartDTO cDTO =(CartDTO)request.getAttribute("cDTO");
28
29 int num = cDTO.getNum();
30 String gCode = cDTO.getgCode();
                                                                               Hidden으로 전송할 자료 준비
31 String gName = cDTO.getgName();
32 int gPrice = cDTO.getgPrice();
33 String gSize = cDTO.getgSize();
34 String gColor = cDTO.getgColor();
35 int gAmount = cDTO.getgAmount();
36 String gImage = cDTO.getgImage();
                                                                                50
                                                                                51
        MemberDTO mDTO =(MemberDTO)request.getAttribute("mDTO");
37
                                                                                52
        String userid = mDTO.getUserid();
38
                                                                                53@<form name="mvForm" method="get" action="CartOrderDoneServlet">
        String username = mDTO.getUsername();
39
                                                                                54 <input type="hidden" name="gCode" value="<%=gCode %>">
40
        String post = mDTO.getPost();
                                                                                55 <input type="hidden" name="gName" value="<%=gName %>">
41
        String addr1 = mDTO.getAddr1();
                                                                                56 <input type="hidden" name="gPrice" value="<%=gPrice %>">
        String addr2 = mDTO.getAddr2();
42
                                                                                57 <input type="hidden" name="gSize" value="<%=gSize %>">
        String phone1 = mDTO.getPhone1();
43
                                                                                58 <input type="hidden" name="gColor" value="<%=gColor %>">
        String phone2 = mDTO.getPhone2();
44
                                                                                59 <input type="hidden" name="gAmount" value="<%=gAmount %>">
        String phone3 = mDTO.getPhone3();
45
                                                                                60 <input type="hidden" name="qImage" value="<%=gImage %>">
46
        String email1 = mDTO.getEmail1();
                                                                                61 <input type="hidden" name="orderNum" value="<%=num %>">
        String email2 = mDTO.getEmail2();
47
                                                                                62
48
49 %>
50
```

○ Webcontent/order/orderConfirm.jsp작성

```
51
  52
  53@<form name="myForm" method="get" action="CartOrderDoneServlet">
  EA /input tune="bidden" neme="aCade" volue="/V-aCade V\"
     <input type="checkbox" name="same" id="same"> 배송지가 동일할 경우 선택하세요.
      배송지 정보 시작-->
                                                         $("#same").on("click",function(){
                                                              if(this.checked){
                                                                 $("#orderName").val($("#mname").val());
                                                                 $("#sample4 postcode").val($("#mpost").val());
                                                                 $("#sample4 roadAddress").val($("#maddress1").val());
(tr)
                                                                 $("#sample4 jibunAddress").val($("#maddress2").val());
   $("#phone").val($("#mphone").val());
      <input type='button' value='취소' onclick="javascript:history.back()"</pre>
                                                              }else{
                                                                 $("#orderName").val("");
      <input type='submit' value='결제하기'>
                                                                 $("#sample4 postcode").val("");
   $("#sample4 roadAddress").val("");
                                                                 $("#sample4 jibunAddress").val("");
$("#phone").val("");
                                                          });
```

Ocom.controller.CartOrderDone

폼데이터 파싱

Order table에 저장 및 cartTable삭제

```
HttpSession session = request.getSession();
MemberDTO dto = (MemberDTO) session.getAttribute("login");
String nextPage = null;
if (dto != null) {
    String userid = dto.getUserid();
   String gCode = request.getParameter("gCode");
    String gName = request.getParameter("gName");
    String gPrice = request.getParameter("gPrice");
    String gSize = request.getParameter("gSize");
    String gColor = request.getParameter("gColor");
    String gAmount = request.getParameter("gAmount");
    String gImage = request.getParameter("gImage");
   String orderName = request.getParameter("orderName");
    String post = request.getParameter("post");
    String addr1 = request.getParameter("addr1");
    String addr2 = request.getParameter("addr2");
    String phone = request.getParameter("phone");
    String payMethod = request.getParameter("payMethod");
    String orderNum = request.getParameter("orderNum");
```

- Ocom.service.CartService
- (order테이블 추가 후 Cart테이블에서 삭제)

```
13 public class CartService {
14
15⊖
       public int orderDone(OrderDTO dto,String orderNum) {
           SqlSession session = MySqlSessionFactory.getSession();
16
           int n = 0;
17
           try {
18
               CartDAO dao = new CartDAO();
19
20
               n = dao.orderDone(session, dto);//order테이블에 추가
               n= dao.cartDel(session, Integer.parseInt(orderNum));//cart테이블에서 삭제
21
               session.commit();//두작업 완료 후 커밋
22
23
           }catch(Exception e) {
               session.rollback();//tx 처리 롤백
24
25
           } finally {
26
               session.close();
27
           return n;
28
```

Com.dao.CartService

```
public class CartDAO {

public int orderDone(SqlSession session, OrderDTO dto) {

int n = session.insert("CartMapper.orderDone", dto);

return n;
}
```

O Com.config.CartMapper의 수정

```
4 | "http://mybatis.org/dtd/mybatis-3-mapper.dtd">
5⊖ <mapper namespace="CartMapper">
6
   <insert id="orderDone" parameterType="OrderDTO" >
      insert into orderInfo (num, userid, gCode, gName, gPrice, gSize, gColor, gAmount,
8
                              gImage, orderName, post, addr1, addr2, phone, payMethod)
9
10
      values(orderInfo seq.nextval, #{userid}, #{gCode}, #{gName}, #{gPrice},
11
      #{gSize},#{gColor},#{gAmount},
12
      #{gImage},#{orderName},#{post},#{addr1},#{addr2},#{phone},#{payMethod} )
13
    </insert>
14
L5
```

○ Webcontent/orderDone.jsp의 작성

```
ऽ 📆 🛚 🎋 ▼ 🚺 ▼ 🚰 ▼ 🚰 ▼ 🔯 ▼ 🚱 ▼ 📴 🖆 🔗 ▼ 🗎 🐠 🕍 🐉 💆 ▼ 🚰 ▼ 🏷 🗘 ▼ 🤾
CartDAO.java
           x CartMapper.xml
                          L k‰ page language="java" contentType="text/html; charset=UTF-&
      pageEncoding="UTF-8"%>
3 <!DOCTYPE html>
1⊖ <html>
5⊖ <head>
5 <meta charset="UTF-8">
// <title>Insert title here</title>
3 </head>
3⊖ <body>
2 <h1>결제 화면입니다.</h1>
3 <jsp:include page="common/top.jsp" flush="true" /><br>
1 <jsp:include page="common/menu.jsp" flush="true" />
5 <hr>
5 <jsp:include page="order/orderDone.jsp" flush="true" />
7 </body>
3 </html>
```

○ Webcontent/orderDone.jsp의 작성

```
x CartMapper.xml
CartDAO.java
                         orderDone.jsp
                                      10
11 });
12 </script>
13 € < %
      OrderDTO dto=(OrderDTO)request.getAttribute("orderDTO");
14
      String userid = dto.getUserid();
15
16
      String orderName = dto.getOrderName();
      String post = dto.getPost();
17
      String addr1= dto.getAddr1();
18
      String addr2= dto.getAddr2();
19
      String phone = dto.getPhone();
20
21
22
      String gName= dto.getgName();
      int gPrice = dto.getgPrice();
23
      int gAmount = dto.getgAmount();
24
      String payMethod = dto.getPayMethod();
25
26 %>
27<sup>©</sup> 
 28
 29⊝
       30
 24
```

○ Webcontent/orderDone.jsp의 작성(전송데이터 hidde이용)

```
34 String gColor = cDTO.getgColor();
 35 int gAmount = cDTO.getgAmount();
 36 String gImage = cDTO.getgImage();
        MemberDTO mDTO =(MemberDTO)request.getAttribute("mDTO");
 37
 38
        String userid = mDTO.getUserid();
        String username = mDTO.getUsername();
 39
        String post = mDTO.getPost();
 40
        String addr1 = mDTO.getAddr1();
 41
        String addr2 = mDTO.getAddr2();
 42
 43
        String phone1 = mDTO.getPhone1();
        String phone2 = mDTO.getPhone2();
 44
        String phone3 = mDTO.getPhone3();
 45
        String email1 = mDTO.getEmail1();
 46
        String email2 = mDTO.getEmail2();
 47
 48
 49 %>
 50@<form name="myForm" method="get" action="CartOrderDoneServlet">
 51 <input type="hidden" name="gCode" value="<%=gCode %>">
 52 <input type="hidden" name="qName" value="<%=gName %>">
 53 
Sinput type="hidden" name="gPrice" value="<%=gPrice %>">

 54 <input type="hidden" name="gSize" value="<%=gSize %>">
 55 <input type="hidden" name="qColor" value="<%=gColor %>">
 56 <input type="hidden" name="gAmount" value="<%=gAmount %>">
 57 57 <input type="hidden" name="gImage" value="<%=gImage %>">
 58 <input type="hidden" name="orderNum" value="<%=num %>"><!-- cart번호 -->
 59
        60⊝
```

19) Order All Done

○ 멀티insert(insert all용 pl/sql 작성)

```
CREATE OR REPLACE FUNCTION orderSeq
RETURN number
IS
BEGIN
RETURN orderInfo_seq.nextval;
END;
ORDERSEQ
```

○ Webcontent/goods/cartList.jsp수정

```
1/1
  //전체 주문버튼
    $("#orderAllConfirm").on("click",function(){
        $("form").attr("action", "CartOrderAllConfirmServlet");
        $("form").submit();// trigger
    });
3):
                                                        ☑ 전체선 주문번호
                                                                                    상골
                                                                              백 리본 블록
                                                                              [옵션: 사이즈(L
                                                                              소피아 벨트
                                                              13
                                                                              [옵션: 사이즈(L
      <a class="a_black" id="orderAllConfirm"> 전체 주문하기 </a>&nbsp;&nbs
         <a class="a black" href="#" id="delAllCart"> 전체 삭제하기 </a>&nbsp;&nbsp;&nbsp;&nbsp;
         <a class="a black" href="#" id="delAllCart2"> 전체 삭제하기2 </a>&nbsp;&nbsp;&nbsp;&nbsp;
         <a class="a black" href="index.jsp"> 계속 쇼핑하기 </a>&nbsp;&nbsp;&nbsp;&nbsp;
```

Ocom.controller.goods. CartOrderAllConfirmServlet 의 작성

```
<!-- checkbox는 체크된 값만 서블릿으로 넘어간다. 따라서 value에 삭제할 num값을 설정한다. -->
<input type="checkbox"</pre>
  <%=num %>
<img
lic class CartOrderAllConfirmServlet extends HttpServlet {
 protected void doGet(HttpServletRequest request, HttpServletResponse response
     HttpSession session = request.getSession();
      MemberDTO dto = (MemberDTO)session.getAttribute("login");
     String nextPage = null;
      if(dto!=null) {
        String [] data=request.getParameterValues("check");
        List<String> list= Arrays.asList(data);
        CartService cService = new CartService();
        List<CartDTO> cList = cService.orderAllConfirm(list);//cart번호 저장
        request.setAttribute("cartList", cList);
        MemberService mService = new MemberService();
        String userid=dto.getUserid();
        MemberDTO mDTO = mService.mypage(userid);//회원정보가져오기
        request.setAttribute("memberDTO", mDTO); //회원정보저장
        nextPage = "orderAllConfirm.jsp";
```

O Com.service.CartService수정

```
public List<CartDTO> orderAllConfirm(List<String> x) {
    SqlSession session = MySqlSessionFactory.getSession();
    List<CartDTO> list = null;

    try {
        CartDAO dao = new CartDAO();
        list = dao.orderAllConfirm(session, x);
    }
    catch(Exception e) {
        e.printStackTrace();
    }finally {
        session.close();
    }
    return list;
}//end idCheck
```

○ Com.dao.CartDAO수정

```
public List<CartDTO> orderAllConfirm(SqlSession session, List<String> list) {
    List<CartDTO> n = session.selectList("CartMapper.orderAllConfirm", list);
    return n;
}
```

O Com.config.CartMapper.xml (in 사용)

```
<select id="orderAllConfirm" parameterType="arraylist" resultType="CartDTO">
    select num,userid,gCode,gPrice,gSize,gColor,gAmount,gName,gImage
    from cart
    where num
    IN
    <foreach collection="list" item="item" open="(" separator="," close=")">
        #{item}
    </foreach>
    </select>
```

iOuerv

○ Webcontent/orderAllConfirm.jsp 작성

```
x CartMapper.xml
                        orderAllDone.jsp
                                                               cartList.jsp
 1 
1 
page language="java" contentType="text/html; charset=UTF-8"
       pageEncoding="UTF-8"%>
 3 <!DOCTYPE html>
 40 <html>
 5⊕ <head>
 6 <meta charset="UTF-8">
 7 <title>Insert title here</title>
 8 </head>
 9⊖ <body>
10
11
12 <h1>전체 주문 확인 화면입니다.</h1>
13 <jsp:include page="common/top.jsp" flush="true" /><br>
14 <jsp:include page="common/menu.jsp" flush="true" />
15 <hr>
16 <jsp:include page="order/orderAllConfirm.jsp" flush="true" />
17 </body>
18 </html>
```

○ Webcontent/order/orderAllConfirm.jsp 작성

```
8 </script>
9 < %
     MemberDTO mDTO = (MemberDTO)request.getAttribute("memberDTO");
     String userid = mDTO.getUserid();
2
     String username = mDTO.getUsername();
     String post = mDTO.getPost();
     String addr1 = mDTO.getAddr1();
4
     String addr2 = mDTO.getAddr2();
     String phone1 = mDTO.getPhone1();
6
     String phone2 = mDTO.getPhone2();
     String phone3 = mDTO.getPhone3();
8
9
     String email1 = mDTO.getEmail1();
     String email2 = mDTO.getEmail2();
0
1 %>
.2
3⊖<form name="myForm" method="GET" action="CartOrderAllDoneServlet">
4
```

- Webcontent/order/orderAllConfirm.jsp 작성
- 누적데이터 hidden사용

```
38 List<CartDTO> cList = (List<CartDTO>)request.getAttribute("cartList");
39
90
     for(CartDTO cDTO : cList){
         int num = cDTO.getNum();
€1
32
         String gCode = cDTO.getgCode();
         String gName = cDTO.getgName();
33
94
         int gPrice = cDTO.getgPrice();
         String gSize = cDTO.getgSize();
95
         String gColor = cDTO.getgColor();
96
         int gAmount = cDTO.getgAmount();
37
         String gImage = cDTO.getgImage();
98
99 %>
30
31
32 <!-- 누적 -->
33
34 <input type="hidden" name="userid" value="<%=userid %>" >
35 <input type="hidden" name="num" value="<%=num %>" >
36 <input type="hidden" name="qCode" value="<%=gCode %>" >
37 <input type="hidden" name="qImage" value="<%=gImage %>" >
38 <input type="hidden" name="gName" value="<%=gName %>" >
39 <input type="hidden" name="gSize" value="<%=gSize %>" >
10 <input type="hidden" name="aColor" value="<%=gColor %>" >
l1 <input type="hidden" name="aPrice" value="<%=gPrice %>" >
12 <input type="hidden" name="qAmount" value="<%=gAmount %>" >
13⊝
```

○ Webcontent/order/orderAllConfirm.jsp 작성

```
$("#same").on("click",function(){
    if(this.checked){
        $("#orderName").val($("#mname").val());
        $("#sample4_postcode").val($("#mpost").val());
        $("#sample4_roadAddress").val($("#maddress1").val());
        $("#sample4_jibunAddress").val($("#maddress2").val());
        $("#phone").val($("#mphone").val());
    }else{
        $("#orderName").val("");
        $("#sample4_postcode").val("");
        $("#sample4_roadAddress").val("");
        $("#sample4_jibunAddress").val("");
        $("#phone").val("");
    }
});
```

□ 19]orderAllDone

○ Com.controller.goods. CartOrderAllDoneServlet의 작성-1

```
HttpSession session = request.getSession();
MemberDTO dto = (MemberDTO) session.getAttribute("login");
String nextPage = null;
if (dto != null) {
   String userid=dto.getUserid();
   String [] nums= request.getParameterValues("num");//num을 배열로 파싱
   System.out.println("doneServlet num"+ nums);
   List<String> list = Arrays.asList(nums); //주문번호만 list로 저장
   String orderName= request.getParameter("orderName");
   String post=request.getParameter("post");
   String addr1=request.getParameter("addr1");
   String addr2=request.getParameter("addr2");
   String phone=request.getParameter("phone");
   String payMethod=request.getParameter("payMethod");//회원정보 파싱
   CartService cService = new CartService();
   List<CartDTO> cList = cService.orderAllConfirm(list);//Cart 테이블에서 Cart 조회 저장
```

1.Num을 String[]로 파싱

2.List num을 이용한 cart에서 데이터 조회 list에 저장 ○ Com.controller.goods. CartOrderAllDoneServlet의 작성-2

```
//최종적으로 List<OrderDTO> 에 저장.
List<OrderDTO> oList = new ArrayList<>();
for(CartDTO cDTO : cList) {//Cart정보와 member정보를 이용하여 OrderDTO 객체 생성 list에 저장
   OrderDTO oDTO = new OrderDTO();
   oDTO.setUserid(userid);
   oDTO.setNum(cDTO.getNum());
   oDTO.setgCode(cDTO.getgCode());
   oDTO.setgName(cDTO.getgName());
   oDTO.setgPrice(cDTO.getgPrice());
   oDTO.setgAmount(cDTO.getgAmount());
   oDTO.setgSize(cDTO.getgSize());
   oDTO.setgColor(cDTO.getgColor());
   oDTO.setgImage(cDTO.getgImage());
   oDTO.setOrderName(orderName);
   oDTO.setPost(post);
   oDTO.setAddr1(addr1);
   oDTO.setAddr2(addr2);
   oDTO.setPhone(phone);
    oDTO.setPayMethod(payMethod);
   System.out.println(oDTO);
    oList.add(oDTO);
int n =cService.orderAllDone(oList, list);//Orderlist 저장와 Cart번호만 list로 삭제
request.setAttribute("orderAllDone", oList);
nextPage = "orderAllDone.jsp";
```

□ 19]orderAllDone

O Com.service.CartService의 작성

```
public class CartService {
   public int orderAllDone(List<OrderDTO> x,List<String> nums) {
       SqlSession session = MySqlSessionFactory.getSession();
       int n = 0;
       try {
           CartDAO dao = new CartDAO();
           n = dao.orderAllDone(session, x);//order테이블에 멀티 insert
           n= dao.cartAllDel(session, nums); //cart테이블에서 멀티삭제
           session.commit();
       }catch(Exception e) {
           session.rollback();
           e.printStackTrace();
       } finally {
           session.close();
       return n;
   }// end cartAdd
```

O Com.service.CartDAO의 작성

```
public class CartDAO {

public int orderAllDone(SqlSession session, List<OrderDTO> x) {
    int n = session.insert("CartMapper.orderAllDone", x);
    return n;
}

public int cartAllDel(SqlSession session, List<String> list) {
    int n = session.delete("CartMapper.cartAllDel", list);
    return n;
}
```

□ 19]orderAllDone

○ Com.service.CartMapper.xml의 수정

```
nccp://mypacis
                    1  page language="java" contentType="text/html; charset=UTF-
5⊖ <mapper namespa
                          pageEncoding="UTF-8"%>
6
                    3 <!DOCTYPE html>
   <insert id="o</pre>
                   40 <html>
8
                   5⊖ <head>
     insert all
9
                    6 <meta charset="UTF-8">
     <foreach col
∂⊝
                   7 <title>Insert title here</title>
.1
     into orderIn
                   8 </head>
.2
                    9⊖ <body>
.3
                   10
     values( orde
.4
                                                                                  ٠{؛
     #{item.gSize
                  12 <h1>전체 결제 화면입니다.</h1>
     #{item.gImag 13 <jsp:include page="common/top.jsp" flush="true" /><br>
.6
     #{item.addr1 14 <jsp:include page="common/menu.jsp" flush="true" />
.8
     </foreach>
                  15 <hr>>
     select *
                   16 <jsp:include page="order/orderAllDone.jsp" flush="true" />
     from dual
10
                   17 </body>
   </insert>
11
                   18 </html>
12
```

□ 19]orderAllDone

○ Webcontent/cartAllDone.jsp의 작성

```
1  page language="java" contentType="text/html; charset=UTF-
       pageEncoding="UTF-8"%>
 3 <!DOCTYPE html>
 4⊖ <html>
 5⊖ <head>
 6 <meta charset="UTF-8">
 7 <title>Insert title here</title>
 8 </head>
 9⊖ <body>
10
11
12 <h1>전체 결제 화면입니다.</h1>
13 <jsp:include page="common/top.jsp" flush="true" /><br>
14 <jsp:include page="common/menu.jsp" flush="true" />
15 <hr>>
16 <jsp:include page="order/orderAllDone.jsp" flush="true" />
17 </body>
18 </html>
```

○ Webcontent/order/orderAllDone.jsp의 작성-1

```
pageEncoding="UTF-8"%>
  5⊖ <%
      List<OrderDTO> list = (List<OrderDTO>)request.getAttribute("orderAllDone");
      OrderDTO oDTO = list.get(0);
      String userid = oDTO.getUserid();
      String orderName = oDTO.getOrderName();
 10
     String post = oDTO.getPost();
    String addr1 = oDTO.getAddr1();
 11
      String addr2 = oDTO.getAddr2();
 12
      String phone = oDTO.getPhone();
 13
 14
       String payMethod = oDTO.getPayMethod();
 15 %>
16@/table width="70%" collengeing="0" collegedding="0"\
```

○ Webcontent/order/orderAllDone.jsp의 작성-2

```
<!-- 변수 선언 -->
 int sum = 0;
 for(OrderDTO xxx : list){
   String gName = xxx.getgName();
   int gPrice = xxx.getgPrice();
   int gAmount = xxx.getgAmount();
   sum += ( gPrice*gAmount);
%>
<!-- 누적 -->
        <span class="a default"><%=gName %> </span>
          <span id = "price1"><%=gPrice %></span>원
          <span id = "num1"><%= gAmount%></span>권
          <span><%=gPrice* gAmount%></span>원
```

○ Webcontent/order/orderAllDone.jsp의 작성-2

```
<!-- 변수 선언 -->
 int sum = 0;
 for(OrderDTO xxx : list){
   String gName = xxx.getgName();
   int gPrice = xxx.getgPrice();
   int gAmount = xxx.getgAmount();
   sum += ( gPrice*gAmount);
%>
<!-- 누적 -->
        <span class="a default"><%=gName %> </span>
          <span id = "price1"><%=gPrice %></span>원
          <span id = "num1"><%= gAmount%></span>권
          <span><%=gPrice* gAmount%></span>원
```

Thank you