SMS

카페24 호스팅 | 온라인 비즈니스의 시작

웹호스팅 웹사이트 만들기 비즈니스를 가장 잘 알릴 수 있는 단어를 300개 이상의 도메인과 조합해 만들어 보세요.
145만 고객이 사용하는 호스팅 내 브랜드에 어울리는 디자인을 선택해 간편하게 웹사이트와 쇼핑몰을 만들 수 있습니다. 검색광고, SNS, 메일 등 다양한 마케팅 채널을 통해 잠재 고객에게 브랜드를 홍보하세요.

https://hosting.cafe24.com/

✔️ ***SMS Basic***

✔️ ***SMS Advanced***

✔️ ***Board***

SMS Basic

주의

변경 사항	적용 소스
아이디	smsCheck, calljson
인증 Key	smsCheck, calljson
한글 처리	smsCheck
발신 번호 변경	smsForm

smsForm.jsp

```jsp
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<!DOCTYPE html>

    <html>

    <head>
        <title>sms - jsp </title>

        <script type="text/javascript">
            function setPhoneNumber(val) {
                var numList = val.split("-");
                document.smsForm.sphone1.value = numList[0];
                document.smsForm.sphone2.value = numList[1];
            if(numList[2] != undefined){
                    document.smsForm.sphone3.value = numList[2];
        }
            }

            function loadJSON() {
                var data_file = "/calljson.jsp";
                var http_request = new XMLHttpRequest();
                try {
                    // Opera 8.0+, Firefox, Chrome, Safari
                    http_request = new XMLHttpRequest();
                } catch (e) {
                    // Internet Explorer Browsers
                    try {
                        http_request = new ActiveXObject("Msxml2.XMLHTTP");

                    } catch (e) {

                        try {
```

```
                    http_request = new ActiveXObject("Microsoft.XMLHTTP");
                } catch (e) {
                    // Eror
                    alert("지원하지 않는브라우저!");
                    return false;
                }

            }
        }
        http_request.onreadystatechange = function() {
            if (http_request.readyState == 4) {
                // Javascript function JSON.parse to parse JSON data
                var jsonObj = JSON.parse(http_request.responseText);
                if (jsonObj['result'] == "Success") {
                    var aList = jsonObj['list'];
                    var selectHtml = "<select name=\"sendPhone\" onchange=\"setPhoneNumber(this.value)\">";
                    selectHtml += "<option value='' selected>발신번호를 선택해주세요</option>";
                    for (var i = 0; i < aList.length; i++) {
                        selectHtml += "<option value=\"" + aList[i] + "\">";
                        selectHtml += aList[i];
                        selectHtml += "</option>";
                    }
                    selectHtml += "</select>";
                    document.getElementById("sendPhoneList").innerHTML = selectHtml;
                }
            }
        }

        http_request.open("GET", data_file, true);
        http_request.send();
    }
    </script>
</head>

<body onload="loadJSON()">
<form method="post" name="smsForm" action="smsCheck.jsp">
    <input type="hidden" name="action" value="go"> 발송타입
    <span>
      <input type="radio" name="smsType" value="S">단문(SMS)</span>
    <span>
      <input type="radio" name="smsType" value="L">장문(LMS)</span>
    <br /> 제목 :
    <input type="text" name="subject" value="제목"> 장문(LMS)인 경우(한글30자이내)
    <br /> 전송메세지
    <textarea name="msg" cols="30" rows="10" style="width:455px;">내용입력</textarea>
    <br />
    <br />
    <p>단문(SMS) : 최대 90byte까지 전송할 수 있으며, 잔여건수 1건이 차감됩니다.
        <br /> 장문(LMS) : 한번에 최대 2,000byte까지 전송할 수 있으며 1회 발송당 잔여건수 3건이 차감됩니다.
    </p>
    <br />받는 번호
    <input type="text" name="rphone" value="011-111-1111"> 예) 011-011-111 , '-' 포함해서 입력.
    <br />이름삽입번호
    <input type="text" name="destination" value="" size=80> 예) 010-000-0000|홍길동
    <br /> 보내는 번호
    <input type="hidden" name="sphone1" value="010">
    <input type="hidden" name="sphone2" value="4811">
    <input type="hidden" name="sphone3" value="7701">
    <span id="sendPhoneList"></span>
    <br />예약 날짜
    <input type="text" name="rdate" maxlength="8"> 예)20090909
    <br />예약 시간
    <input type="text" name="rtime" maxlength="6"> 예)173000 ,오후 5시 30분,예약시간은 최소 10분 이상으로 설정.
    <br />return url
    <input type="text" name="returnurl" maxlength="64" value="">
    <br /> test flag
    <input type="text" name="testflag" maxlength="1"> 예) 테스트시: Y
    <br />nointeractive
    <input type="text" name="nointeractive" maxlength="1"> 예) 사용할 경우 : 1, 성공시 대화상자(alert)를 생략.
    <br />반복설정
    <input type="checkbox" name="repeatFlag" value="Y">
    <br /> 반복횟수
    <select name="repeatNum">
        <option value="1">1</option>
        <option value="2">2</option>
        <option value="3">3</option>
    </select> 예) 1~10회 가능.
    <br />전송간격
    <select name="repeatTime"> 예)15분 이상부터 가능.
        <option value="15">15</option>
        <option value="20">20</option>
        <option value="25">25</option>
    </select>분마다
    <br>
    <input type="submit" value="전송">
    <br/>이통사 정책에 따라 발신번호와 수신번호가 같은 경우 발송되지 않습니다.
</form>
```

```
    </body>
<script type="text/javascript">
(function(){
window["loaderConfig"] = "/TSPD/?type=21";
})();

</script>

<script type="text/javascript" src="/TSPD/?type=18"></script>

<APM_DO_NOT_TOUCH>

<script type="text/javascript">
(function(){
window.eJMy=!!window.eJMy;try{(function(){(function(){})();var b=74;try{var aa,ka,pa=c(60)?1:0;for(var sa=(c(233),0);sa<ka;++sa)pa+=c(
function p(a){var d=arguments.length,g=[];for(var h=1;h<d;++h)g.push(arguments[h]-a);return String.fromCharCode.apply(String,g)}functi
var ya=window[f(b,171,190,190,171,173,178,143,192,175,184,190)]||RegExp(p(b,183,185,172,179,198,171,184,174,188,185,179,174),p(b,179))
document[p(b,171,174,174,143,192,175,184,190,150,179,189,190,175,184,175,188)]&&document[f(b,171,174,174,143,192,175,184,190,150,179,1
130,120,113,120,123,120,131,136,98,131,112,131,116)]===t(68616527651,d)&&(Da=+new Date,Fa=!1,w()))});function f(a){var d=arguments.len
var La=[c(97)?17795081:10278024,c(261)?27611931586:2147483647,c(466)?1558153217:1254692768];function Ma(a){var d=69;a=typeof a===t(174
va(!1!==window[p(b,175,148,151,195)]);window.Ga=window.Ga||{};window.Ga.Vb="080d165b2f194000d8fd5625e9f5348cb1396bafd85f8947dc2088e68a

})();

</script>
</APM_DO_NOT_TOUCH>

<script type="text/javascript" src="/TSPD/0853a021f8ab2000423a4c77f8e18ef2bdbb07fdf105c044b8ed7e17c8953af8a04702cee9861478?type=9"></s

    </html>
```

smsCheck.jsp

```jsp
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<%@ page language="java" import="java.util.*, java.security.*, java.io.*, java.net.*" %>
<%@ page import="java.util.Base64.*" %>
    <%!
    /**==========================================================
     Description        : 사용 함수 선언
    ==========================================================**/
     /**
     * nullcheck
     * @param str, Defaultvalue
     * @return
     */

    public static String nullcheck(String str,  String Defaultvalue ) throws Exception
    {
        String ReturnDefault = "" ;
        if (str == null)
        {
            ReturnDefault =  Defaultvalue ;
        }
        else if (str == "" )
        {
            ReturnDefault =  Defaultvalue ;
        }
        else
        {
                ReturnDefault = str ;
        }
         return ReturnDefault ;
    }
    /**
    * BASE64 Encoder
    * @param str
    * @return
    */
    public static String base64Encode(String str)  throws java.io.IOException {
        Encoder encoder = Base64.getEncoder();
        byte[] strByte = str.getBytes("UTF-8");
        String result = encoder.encodeToString(strByte);
        return result ;
    }

    /**
     * BASE64 Decoder
     * @param str
     * @return
```

```java
 */
public static String base64Decode(String str)  throws java.io.IOException {
    Decoder decoder = Base64.getDecoder();
    byte[] strByte = decoder.decode(str);
    String result = new String(strByte);
    return result ;
}
%>
<%
/**============================================================
  Description        : 캐릭터셋 정의
  EUC-KR: @ page contentType="text/html;charset=EUC-KR
  UTF-8: @ page contentType="text/html;charset=UTF-8
============================================================**/
%>
<%@ page contentType="text/html; charset=UTF-8"%>
<%
/**============================================================
  Description        :  사용자 샘플코드
============================================================**/
String charsetType = "UTF-8"; //EUC-KR 또는 UTF-8

request.setCharacterEncoding(charsetType);
response.setCharacterEncoding(charsetType);
String  action     = nullcheck(request.getParameter("action"), "");
if(action.equals("go")) {

    String sms_url = "";
    sms_url = "https://sslsms.cafe24.com/sms_sender.php"; // SMS 전송요청 URL
    String user_id = base64Encode(""); // SMS아이디
    String secure = base64Encode("");//인증키
    String msg = base64Encode(nullcheck(request.getParameter("msg"), ""));
    String rphone = base64Encode(nullcheck(request.getParameter("rphone"), ""));
    String sphone1 = base64Encode(nullcheck(request.getParameter("sphone1"), ""));
    String sphone2 = base64Encode(nullcheck(request.getParameter("sphone2"), ""));
    String sphone3 = base64Encode(nullcheck(request.getParameter("sphone3"), ""));
    String rdate = base64Encode(nullcheck(request.getParameter("rdate"), ""));
    String rtime = base64Encode(nullcheck(request.getParameter("rtime"), ""));
    String mode = base64Encode("1");
    String subject = "";
    if(nullcheck(request.getParameter("smsType"), "").equals("L")) {
        subject = base64Encode(nullcheck(request.getParameter("subject"), ""));
    }
    String testflag = base64Encode(nullcheck(request.getParameter("testflag"), ""));
    String destination = base64Encode(nullcheck(request.getParameter("destination"), ""));
    String repeatFlag = base64Encode(nullcheck(request.getParameter("repeatFlag"), ""));
    String repeatNum = base64Encode(nullcheck(request.getParameter("repeatNum"), ""));
    String repeatTime = base64Encode(nullcheck(request.getParameter("repeatTime"), ""));
    String returnurl = nullcheck(request.getParameter("returnurl"), "");
    String nointeractive = nullcheck(request.getParameter("nointeractive"), "");
    String smsType = base64Encode(nullcheck(request.getParameter("smsType"), ""));

    String[] host_info = sms_url.split("/");
    String host = host_info[2];
    String path = "/" + host_info[3];
    int port = 80;

    // 데이터 맵핑 변수 정의
    String arrKey[]
        = new String[] {"user_id","secure","msg", "rphone","sphone1","sphone2","sphone3","rdate","rtime"
                    ,"mode","testflag","destination","repeatFlag","repeatNum", "repeatTime", "smsType", "subject"};
    String valKey[]= new String[arrKey.length] ;
    valKey[0] = user_id;
    valKey[1] = secure;
    valKey[2] = msg;
    valKey[3] = rphone;
    valKey[4] = sphone1;
    valKey[5] = sphone2;
    valKey[6] = sphone3;
    valKey[7] = rdate;
    valKey[8] = rtime;
    valKey[9] = mode;
    valKey[10] = testflag;
    valKey[11] = destination;
    valKey[12] = repeatFlag;
    valKey[13] = repeatNum;
    valKey[14] = repeatTime;
    valKey[15] = smsType;
    valKey[16] = subject;

    String boundary = "";
    Random rnd = new Random();
    String rndKey = Integer.toString(rnd.nextInt(32000));
    MessageDigest md = MessageDigest.getInstance("MD5");
    byte[] bytData = rndKey.getBytes();
    md.update(bytData);
    byte[] digest = md.digest();
```

```java
        for(int i =0;i<digest.length;i++)
        {
            boundary = boundary + Integer.toHexString(digest[i] & 0xFF);
        }
        boundary = "--------------------"+boundary.substring(0,11);

        // 본문 생성
        String data = "";
        String index = "";
        String value = "";
        for (int i=0;i<arrKey.length; i++)
        {
            index =  arrKey[i];
            value = valKey[i];
            data +="--"+boundary+"\r\n";
            data += "Content-Disposition: form-data; name=\""+index+"\"\r\n";
            data += "\r\n"+value+"\r\n";
            data +="--"+boundary+"\r\n";
        }

        //out.println(data);

        InetAddress addr = InetAddress.getByName(host);
        Socket socket = new Socket(host, port);
        // 헤더 전송
        BufferedWriter wr = new BufferedWriter(new OutputStreamWriter(socket.getOutputStream(), charsetType));
        wr.write("POST "+path+" HTTP/1.0\r\n");
        wr.write("Content-Length: "+data.length()+"\r\n");
        wr.write("Content-type: multipart/form-data, boundary="+boundary+"\r\n");
        wr.write("\r\n");

        // 데이터 전송
        wr.write(data);
        wr.flush();

        // 결과값 얻기
        BufferedReader rd = new BufferedReader(new InputStreamReader(socket.getInputStream(),charsetType));
        String line;
        String alert = "";
        ArrayList tmpArr = new ArrayList();
        while ((line = rd.readLine()) != null) {
            tmpArr.add(line);
        }
        wr.close();
        rd.close();

        String tmpMsg = (String)tmpArr.get(tmpArr.size()-1);
        String[] rMsg = tmpMsg.split(",");
        String Result= rMsg[0]; //발송결과
        String Count= ""; //잔여건수
        if(rMsg.length>1) {Count= rMsg[1]; }

                    //발송결과 알림
        if(Result.equals("success")) {
            alert = "성공적으로 발송하였습니다.";
            alert += " 잔여건수는 "+ Count+"건 입니다.";
        }
        else if(Result.equals("reserved")) {
            alert = "성공적으로 예약되었습니다";
            alert += " 잔여건수는 "+ Count+"건 입니다.";
        }
        else if(Result.equals("3205")) {
            alert = "잘못된 번호형식입니다.";
        }
        else {
            alert = "[Error]"+Result;
        }

        out.println(nointeractive);

        if(nointeractive.equals("1") && !(Result.equals("Test Success!")) && !(Result.equals("success")) && !(Result.equals("reserved"
            out.println("<script>alert('" + alert + "')</script>");
        }
        else if(!(nointeractive.equals("1"))) {
            out.println("<script>alert('" + alert + "')</script>");
        }


        out.println("<script>location.href='"+returnurl+"';</script>");
    }
%>
```

calljson.jsp

```jsp
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
     <%@ page language="java" import="java.util.*, java.security.*, java.io.*, java.net.*" %>
    <%@ page import="java.util.*" %>
    <%@ page import="java.net.*" %>
    <%@ page import="java.io.*" %>
    <%@ page trimDirectiveWhitespaces="true" %>
    <%
    try {
            String apiUrl =  "https://sslsms.cafe24.com/smsSenderPhone.php";
             String userAgent = "Mozilla/5.0";
             String postParams = "userId=#&passwd=#";//아이디, 인증키
             URL obj = new URL(apiUrl);
             HttpURLConnection con = (HttpURLConnection) obj.openConnection();
             con.setRequestMethod("POST");
             con.setRequestProperty("User-Agent", userAgent);

             // For POST only - START
             con.setDoOutput(true);
             OutputStream os = con.getOutputStream();
             os.write(postParams.getBytes());
             os.flush();
             os.close();
             // For POST only - END

             int responseCode = con.getResponseCode();
             System.out.println("POST Response Code :: " + responseCode);

             if (responseCode == HttpURLConnection.HTTP_OK) { //success
                 BufferedReader in = new BufferedReader(new InputStreamReader(
                         con.getInputStream()));
                 String inputLine;
                 StringBuffer buf = new StringBuffer();

                 while ((inputLine = in.readLine()) != null) {
                     buf.append(inputLine);
                 }
                 in.close();
                 out.print(buf.toString());
             } else {
                 out.println("POST request not worked");
             }
    } catch(IOException ex){

    }
    %>
```

SMS Advanced

[SMS] 전송메세지

단순화면 테스트 심현민

받는 번호 _____ 예) 011-011-111 , '-' 포함해서 입력.

test flag _____ 예) 테스트시: Y

전송

smsForm.jsp

```jsp
<%@ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-8"%>
<html>
<body>
  <form method="post" name="smsForm" action="smsCheck.jsp">
      <span>[SMS]</span>
      전송메세지<br />
      <textarea name="msg" cols="30" rows="10" style="width:455px;">내용입력</textarea>
      <br />받는 번호
      <input type="text" name="rphone" value="011-111-1111"> 예) 011-011-111 , '-' 포함해서 입력.<br>
        <input type="submit" value="전송">
  </form>
</body>
</html>
```

smsCheck.jsp

```jsp
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<%@ page language="java" import="java.util.*, java.security.*, java.io.*, java.net.*" %>
<%@ page import="java.util.Base64.*" %>
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-GLhlTQ8
<script src="https://code.jquery.com/jquery-3.6.3.min.js" integrity="sha256-pvPw+upLPUjgMXY0G+8O0xUf+/Im1MZjXxxgOcBQBXU=" crossorigin=

    <%!
    /**===========================================================
     Description        :  사용 함수 선언
    ===========================================================**/
     /**
     * nullcheck
     * @param str, Defaultvalue
     * @return
     */

     public static String nullcheck(String str,  String Defaultvalue ) throws Exception
     {
         String ReturnDefault = "" ;
         if (str == null)
         {
             ReturnDefault =  Defaultvalue ;
         }
         else if (str == "" )
         {
             ReturnDefault =  Defaultvalue ;
```

```
        }
        else
        {
                ReturnDefault = str ;
        }
         return ReturnDefault ;
    }
    /**
     * BASE64 Encoder
     * @param str
     * @return
     */
    public static String base64Encode(String str)  throws java.io.IOException {
        Encoder encoder = Base64.getEncoder();
        byte[] strByte = str.getBytes("UTF-8");
        String result = encoder.encodeToString(strByte);
        return result ;
    }

    /**
     * BASE64 Decoder
     * @param str
     * @return
     */
    public static String base64Decode(String str)  throws java.io.IOException {
        Decoder decoder = Base64.getDecoder();
        byte[] strByte = decoder.decode(str);
        String result = new String(strByte);
        return result ;
    }
%>
<%
/**=========================================================
  Description       : 캐릭터셋 정의
  EUC-KR: @ page contentType="text/html;charset=EUC-KR
  UTF-8: @ page contentType="text/html;charset=UTF-8
=========================================================**/
%>
<%@ page contentType="text/html; charset=UTF-8"%>
<%
/**=========================================================
  Description       :  사용자 샘플코드
=========================================================**/
String charsetType = "UTF-8"; //EUC-KR 또는 UTF-8

request.setCharacterEncoding(charsetType);
response.setCharacterEncoding(charsetType);
String  action    = nullcheck(request.getParameter("action"), "");
String sms_url = "";
sms_url = "https://sslsms.cafe24.com/sms_sender.php"; // SMS 전송요청 URL
String user_id = base64Encode(""); // SMS아이디
String secure = base64Encode("");//인증키
String msg = base64Encode(nullcheck(request.getParameter("msg"), ""));
String rphone = base64Encode(nullcheck(request.getParameter("rphone"), ""));
String sphone1 = base64Encode("010");
String sphone2 = base64Encode("4811");
String sphone3 = base64Encode("7701");
String rdate = base64Encode(nullcheck(request.getParameter("rdate"), ""));
String rtime = base64Encode(nullcheck(request.getParameter("rtime"), ""));
String mode = base64Encode("1");
String subject = "";
String testflag = base64Encode(nullcheck(request.getParameter("testflag"), ""));
String destination = base64Encode(nullcheck(request.getParameter("destination"), ""));
String repeatFlag = base64Encode(nullcheck(request.getParameter("repeatFlag"), ""));
String repeatNum = base64Encode(nullcheck(request.getParameter("repeatNum"), ""));
String repeatTime = base64Encode(nullcheck(request.getParameter("repeatTime"), ""));
String returnurl = nullcheck(request.getParameter("returnurl"), "");
String nointeractive = nullcheck(request.getParameter("nointeractive"), "");
String smsType = base64Encode("S");

String[] host_info = sms_url.split("/");
String host = host_info[2];
String path = "/" + host_info[3];
int port = 80;

// 데이터 맵핑 변수 정의
String arrKey[]
    = new String[] {"user_id","secure","msg", "rphone","sphone1","sphone2","sphone3","rdate","rtime"
                ,"mode","testflag","destination","repeatFlag","repeatNum", "repeatTime", "smsType", "subject"};
String valKey[]= new String[arrKey.length] ;
valKey[0] = user_id;
valKey[1] = secure;
valKey[2] = msg;
valKey[3] = rphone;
valKey[4] = sphone1;
valKey[5] = sphone2;
valKey[6] = sphone3;
```

```
    valKey[7] = rdate;
    valKey[8] = rtime;
    valKey[9] = mode;
    valKey[10] = testflag;
    valKey[11] = destination;
    valKey[12] = repeatFlag;
    valKey[13] = repeatNum;
    valKey[14] = repeatTime;
    valKey[15] = smsType;
    valKey[16] = subject;

    String boundary = "";
    Random rnd = new Random();
    String rndKey = Integer.toString(rnd.nextInt(32000));
    MessageDigest md = MessageDigest.getInstance("MD5");
    byte[] bytData = rndKey.getBytes();
    md.update(bytData);
    byte[] digest = md.digest();
    for(int i =0;i<digest.length;i++)
    {
        boundary = boundary + Integer.toHexString(digest[i] & 0xFF);
    }
    boundary = "--------------------"+boundary.substring(0,11);

    // 본문 생성
    String data = "";
    String index = "";
    String value = "";
    for (int i=0;i<arrKey.length; i++)
    {
        index =  arrKey[i];
        value = valKey[i];
        data +="--"+boundary+"\r\n";
        data += "Content-Disposition: form-data; name=\""+index+"\"\r\n";
        data += "\r\n"+value+"\r\n";
        data +="--"+boundary+"\r\n";
    }

    //out.println(data);

    InetAddress addr = InetAddress.getByName(host);
    Socket socket = new Socket(host, port);
    // 헤더 전송
    BufferedWriter wr = new BufferedWriter(new OutputStreamWriter(socket.getOutputStream(), charsetType));
    wr.write("POST "+path+" HTTP/1.0\r\n");
    wr.write("Content-Length: "+data.length()+"\r\n");
    wr.write("Content-type: multipart/form-data, boundary="+boundary+"\r\n");
    wr.write("\r\n");

    // 데이터 전송
    wr.write(data);
    wr.flush();

    // 결과값 얻기
    BufferedReader rd = new BufferedReader(new InputStreamReader(socket.getInputStream(),charsetType));
    String line;
    String alert = "";
    ArrayList tmpArr = new ArrayList();
    while ((line = rd.readLine()) != null) {
        tmpArr.add(line);
    }
    wr.close();
    rd.close();
    %>
    <!-- Modal -->
<div class="modal fade" id="exampleModal" tabindex="-1" aria-labelledby="exampleModalLabel" aria-hidden="true">
  <div class="modal-dialog">
    <div class="modal-content">
      <div class="modal-header">
        <h1 class="modal-title fs-5" id="exampleModalLabel">SMS 발송 성공</h1>
        <button type="button" class="btn-close" data-bs-dismiss="modal" aria-label="Close"></button>
      </div>
      <div class="modal-body">
      <input type="text" value="<%=request.getParameter("rphone") %>">님에게 전송하였습니다.
      </div>
      <div class="modal-footer">
        <button type="button" class="btn btn-success" data-bs-dismiss="modal">Close</button>
      </div>
    </div>
  </div>
</div>

<script>
  $(function() {
    $("#exampleModal").modal("show");
  });
```

```
    </script>
    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/js/bootstrap.bundle.min.js" integrity="sha384-w76AqPfDkMBDXo30jS
```

Board

mainBoard TABLE

Column	Type
content	varchar(100)
email	varchar(50)
id	int
inputdate	varchar(50)
masterid	int
name	varchar(50)
pass	varchar(50)
readcount	int
replynum	int
step	int
subject	varchar(50)

header.jsp

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<%
  request.setCharacterEncoding("UTF-8");
%>
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-GLhlTQ8
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<div class="container">
<header class="d-flex flex-wrap align-items-center justify-content-center justify-content-md-between py-3 mb-4 border-bottom">
  <a href="/" class="d-flex align-items-center col-md-3 mb-2 mb-md-0 text-dark text-decoration-none">
    <svg class="bi me-2" width="40" height="32" role="img" aria-label="Bootstrap"><use xlink:href="#bootstrap"/></svg>
  </a>

  <ul class="nav col-12 col-md-auto mb-2 justify-content-center mb-md-0">
    <li><a href="/smsExam/main.jsp" class="nav-link px-2 link-secondary">Home</a></li>
    <li><a href="#" class="nav-link px-2 link-dark">Product</a></li>
    <li><a href="#" class="nav-link px-2 link-dark">Manage</a></li>
    <li><a href="/smsExam/board/board.jsp" class="nav-link px-2 link-dark">Board</a></li>
    <li><a href="#" class="nav-link px-2 link-dark">About</a></li>
  </ul>

  <div class="col-md-3 text-end">
    <button type="button" class="btn btn-outline-primary me-2" onclick="location.href='/smsExam/user/login.jsp'">Login</button>
    <button type="button" class="btn btn-primary" onclick="location.href='/smsExam/user/join.jsp'">Sign-up</button>
  </div>
</header>
</div>
```

footer.jsp

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<div class="container">
  <footer class="d-flex flex-wrap justify-content-between align-items-center py-3 my-4 border-top">
    <div class="col-md-4 d-flex align-items-center">
      <a href="/" class="mb-3 me-2 mb-md-0 text-muted text-decoration-none lh-1">
        <svg class="bi" width="30" height="24"><use xlink:href="#bootstrap"/></svg>
      </a>
      <span class="mb-3 mb-md-0 text-muted">&copy; 2023 Company, Inc</span>
    </div>

    <ul class="nav col-md-4 justify-content-end list-unstyled d-flex">
      <li class="ms-3"><a class="text-muted" href="#"><svg class="bi" width="24" height="24"><use xlink:href="#twitter"/></svg></a></l
      <li class="ms-3"><a class="text-muted" href="#"><svg class="bi" width="24" height="24"><use xlink:href="#instagram"/></svg></a><
      <li class="ms-3"><a class="text-muted" href="#"><svg class="bi" width="24" height="24"><use xlink:href="#facebook"/></svg></a></
    </ul>
  </footer>
</div>
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/js/bootstrap.bundle.min.js" integrity="sha384-w76AqPfDkMBDXo30jS
```

main.jsp

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>main</title>
</head>
<body>
<%@include file="../includes/header.jsp" %>

<div class="container">
  <!-- 메인 -->
  <div class="alert alert-primary" role="alert">
    <h5 class="display-5">Main</h5>
  </div>
</div>

<%@include file="../includes/footer.jsp" %>
</body>
</html>
```

board.jsp

board → boardCheck → smsCheck 게시물 작성 알림 문자

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>board</title>
</head>
<body>
<%@include file="../includes/header.jsp" %>
<div class="container">

  <!-- 메인 -->
  <div class="alert alert-primary" role="alert">
    <h5 class="display-5">Board</h5>
  </div>

  <!-- 게시물 등록 폼 -->
  <form action="boardCheck.jsp">
    <div class="mb-3">
      <label class="form-label">Title</label>
      <input type="text" name="subject" class="form-control">
    </div>
    <div class="mb-3">
      <label class="form-label">Content</label>
      <textarea name="content" class="form-control" rows="3"></textarea>
```

```
        </div>
        <input type="submit" class="btn btn-primary" value="Submit">
        <input type="reset" class="btn btn-outline-primary" value="Reset">
      </form>

  </div>
  <%@include file="../includes/footer.jsp" %>
  </body>
  </html>
```

boardCheck.jsp

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"
    import="java.net.*"
    %>
<%
  request.setCharacterEncoding("UTF-8");

  //board.jsp 받아오기
  String subject = request.getParameter("subject");
  String content = request.getParameter("content");

  //boardDAO
//  int result = boardDAO.insert(subject, content);
  int result = 1;//가정

  //msg, rphone 고객 디비에서 글쓴이 폰 번호 조회
  String rphone = "";//가정

  if(result==1){
    response.sendRedirect("../smsAdv/smsCheck.jsp?msg="+URLEncoder.encode(subject)+"&rphone="+rphone);
  } else {
    response.sendRedirect("board.jsp");
  }
%>
```

join.jsp

join → joinCheck → smsCheck 가입 완료 알림 문자

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>join</title>
</head>
<body>
<%@include file="../includes/header.jsp" %>
<div class="container">

  <!-- 메인 -->
  <div class="alert alert-primary" role="alert">
    <h5 class="display-5">Join</h5>
  </div>

  <!-- 가입 등록 폼 -->
  <form action="joinCheck.jsp">
    <div class="mb-3">
      <label class="form-label">ID</label>
      <input type="text" name="id" class="form-control">
    </div>
    <div class="mb-3">
      <label class="form-label">Name</label>
      <input type="text" name="name" class="form-control">
    </div>
    <div class="mb-3">
      <label class="form-label">Password</label>
      <input type="text" name="pass" class="form-control">
    </div>
    <div class="mb-3">
      <label class="form-label">Phone</label>
      <input type="text" name="phone" class="form-control">
    </div>
```

```
    <input type="submit" class="btn btn-primary" value="Submit">
    <input type="reset" class="btn btn-outline-primary" value="Reset">
  </form>

</div>
<%@include file="../includes/footer.jsp" %>
</body>
</html>
```

joinCheck.jsp

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"
    import="java.net.*"%>
<%
  request.setCharacterEncoding("UTF-8");

  //join.jsp 받아오기
  String id = request.getParameter("id");
  String name = request.getParameter("name");
  String pass = request.getParameter("pass");
  String phone = request.getParameter("phone");

  //msg, rphone 고객 디비에서 글쓴이 폰 번호 조회
  String rphone = "";//가정

  //boardDAO
//  int result = boardDAO.join(subject, content);
  int result = 1;//가정

  if(result==1){
    response.sendRedirect("../smsAdv/smsCheck.jsp?msg="+URLEncoder.encode(name +" 회원님 홈페이지 가입을 환영합니다.")+"&rphone="+rphone);
  } else {
    response.sendRedirect("join.jsp");
  }
%>
```