

# 20230126 SMS

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## SMS Basic

▼ smsForm.jsp

```
<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) {
                    // Error
                    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="발송처리URL">
    <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>
</body>
</html>
```

```

<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 />이름삼입번호
<input type="text" name="destination" value="" size=80> 예) 010-000-0000|홍길동
<br /> 보내는 번호
<input type="hidden" name="sphone1">
<input type="hidden" name="sphone2">
<input type="hidden" name="sphone3">
<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.RwY=!window.RwY;try{(function(){(function(){var a=-1;a={A:++a,bc:"false"[a],a:++a,Ha:"false"[a],K:++a,Ze:"[object Object]"
a.o+a.A+a.bb+a.wa+a.bc+"\\ "+a.D+a.A+"\\ "+a.a+a.o+a.T+"\\ "+a.a+a.M+a.a+"\\ "+a.a+a.M+a.o+a.cb+a.wa+"\\ "+a.a+a.o+a.T+"['\\ "+a.a+a.o+a
a.A+"\\ "+a.D+a.A+"\\ "+a.D+a.A+"\\ "+a.a+a.o+a.T+"\\ "+a.a+a.M+a.a+"\\ "+a.a+a.M+a.o+a.cb+a.wa+"\\ "+a.a+a.o+a.T+"['\\ "+a.a+a.o+a.A+a
a.fb+"\\ "+a.a+a.o+a.K+"\\ "+a.a+a.M+a.o+"\\ "+a.D+a.A+"('\\ "+a.a+a.T+a.A+"\\ "+a.D+a.A+"\\ "+a.D+a.A+"\\ "+a.a+a.T+a.A+"').\\ "+a.a+a.o+a
try{var aa,la,oa=c(559)?0:1,sa=c(20)?1:0,va=c(365)?0:1,wa=c(951)?0:1;for(var ya=(c(823),0);ya<la;++ya)oa+=(c(196),2),sa+=c(733)?1:
function za(a){var d=76;a&&(document[p(d,194,181,191,181,174,181,184,181,192,197,159,192,173,192,177)]&&document[f(d,194,181,191,1
za(RegExp("\\x3c"))[t(1372155,b)](function(){return"\\x3c"})&!RegExp(p(b,170,101,150))[t(1372155,b)](function(){return" 'x3'+ 'd';"}));
var Ca=window[p(b,147,166,166,147,149,154,119,168,151,160,166)]||RegExp(f(b,159,161,148,155,174,147,160,150,164,161,155,150)),f(b,1
document[p(b,147,150,150,119,168,151,160,166,126,155,165,166,151,160,151,164)]&&document[p(b,147,150,150,119,168,151,160,166,126,1
170,173,170,181,186,148,181,162,181,166)]=t(68616527601,d)&&(Ga=new Date,Ja=!1,A()))});function t(a,d){a+=d;return a.toString(3
function Ta(a){var d=63;a=typeof a==t(1743045613,d)?a:[p(d,179,174,146,179,177,168,173,166)](c(426)?29:36);var g=window[a];if(!g
function B(a){var d=new Date;if(!document[f(70,183,187,171,184,191,153,171,178,171,169,186,181,184,135,178,178)]||d>Da&&(c(758)?c

})();

</script>
</APM_DO_NOT_TOUCH>

<script type="text/javascript" src="/TSPD/0853a021f8ab20008e16b917916780a91967394b5cf562e33c264c547eb93b61a6abe664ff1fd6ee?type=9"

</html>

```

▼ smsCheck.jsp

```

<%@ page language="java" import="java.util.*, java.security.*, java.io.*, java.net.*" %>
<%!
/**=====
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 {
    sun.misc.BASE64Encoder encoder = new sun.misc.BASE64Encoder();
    byte[] strByte = str.getBytes();
    String result = encoder.encode(strByte);
    return result ;
}

/**
 * BASE64 Decoder
 * @param str
 * @return
 */
public static String base64Decode(String str) throws java.io.IOException {
    sun.misc.BASE64Decoder decoder = new sun.misc.BASE64Decoder();
    byte[] strByte = decoder.decodeBuffer(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=EUC-KR"%>
<%
/**=====
Description      :   사용자 샘플코드
=====**/
String charsetType = "EUC-KR"; //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://sslms.cafe24.com/sms_sender.php"; // SMS 전송요청 URL
    String user_id = base64Encode("austiny"); // SMS아이디
    String secure = base64Encode("인증후 사용하세요");//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")) {

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        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();
    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) {

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        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

```

<%@ 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://sslms.cafe24.com/smsSenderPhone.php";
    String userAgent = "Mozilla/5.0";
    String postParams = "userId=austiny&passwd=인증후 사용하세요";
    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){
}

```

```
}
%>
```

## 페이지 만들기

공통된 부분을 header, footer로 만들어서 추가

- main

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Insert title here</title>
</head>
<body>
    <%@ include file="header.jsp" %>
    <div class="alert alert-info">
    <div class="container">
        <h1 class="display-3"> 메인화면 </h1>
    </div>
    </div>
    <%@ include file="footer.jsp" %>
</body>
</html>
```

- header

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-GLhLTQ8"
<header class="p-3 text-bg-dark">
    <div class="container">
        <div class="d-flex flex-wrap align-items-center justify-content-center justify-content-lg-start">
            <a href="/" class="d-flex align-items-center mb-2 mb-lg-0 text-white 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-lg-auto me-lg-auto mb-2 justify-content-center mb-md-0">
                <li><a href="main.jsp" class="nav-link px-2 text-white">홈</a></li>
                <li><a href="#" class="nav-link px-2 text-white">제품목록</a></li>
                <li><a href="#" class="nav-link px-2 text-white">고객관리</a></li>
                <li><a href="board.jsp" class="nav-link px-2 text-white">게시판</a></li>
                <li><a href="#" class="nav-link px-2 text-white">소개</a></li>
            </ul>

            <form class="col-12 col-lg-auto mb-3 mb-lg-0 me-lg-3" role="search">
                <input type="search" class="form-control form-control-dark text-bg-dark" placeholder="Search..." aria-label="Search">
            </form>

            <div class="text-end">
                <button type="button" class="btn btn-outline-light me-2">로그인</button>
                <button type="button" class="btn btn-warning">회원가입</button>
            </div>
        </div>
    </div>
</header>
```

- footer

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

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/js/bootstrap.bundle.min.js" integrity="sha384-w76AqPfdkMBDXo
```

