

mobileaddresponse.json

```
<!-- $top$ -->
Content-type: text/plain

<!-- $failure$ -->
{ "success": false, "text": "<!-- %msgout% -->" }
<!-- $success$ -->
{ "success": true, "item": "<!-- %itemout% -->", "deldate": "<!--
- %deldateout% -->", "qty": "<!-- %qtyout% -->" }
```

mobileadd.pgm

```
H Option(*SrcStmt : *NoDebugIO) DftActGrp(*No) ActGrp(*New)
H BndDir('ARTICLES/CGIBND')

FOrderFile if a e          k Disk      ExtFile(*EXTDESC)
F                          ExtDesc('ARTICLES/ORDERFILE')

/copy ARTICLES/QRPGLESRC,PROTOTYPEB
/copy ARTICLES/QRPGLESRC,USEC

// Global Vars
D Msg          s          300a      Varying
D Error        s          n
D QueryString  s          32767a     Varying

// Local Subprocedures
D Add_Order    pr          Like(Msg)

// Mainline Code
/Free

// Load HTML Template
gethtmlIFS('/articles/html/mobileaddresponse.json' :
           '<!-- $' : '$ -->' : '<!-- %' : '% -->') ;

ZhbgGetInput(QueryString : QUSEC) ;

wrtsection('top') ;

Msg = Add_Order() ;

If Msg = '' ;
  updHTMLvar('itemout' : ZhbgGetVar('item')) ;
  updHTMLvar('deldateout' : ZhbgGetVar('deldate')) ;
  updHTMLvar('qtyout' : ZhbgGetVar('qty')) ;
  wrtsection('success *fini');
Else ;
  updHTMLvar('msgout' : Msg) ;
  wrtsection('failure *fini');
EndIf ;
```

```

    *inLR = *On ;
    Return ;

/End-Free

// Subprocedures

// Procedure to Add Order Line
P Add_Order      b

D Add_Order      pi                      Like(Msg)

/Free

    OrdItem = ZhbGetVar('item') ;

    Monitor ;
        OrdDate = %Date(ZhbGetVar('deldate') : *USA) ;
    On-error ;
        Monitor ;
            OrdDate = %Date(ZhbGetVar('deldate') : *ISO) ;
        On-Error ;
            Return 'Invalid Date. Date must be in MM/DD/YYYY format.' ;
        EndMon;
    EndMon;

    OrdQty = c2n2(ZhbGetVar('qty')) ;

    Write OrdRec ;

    Return '' ;

/End-Free
P Add_Order      e

```

mobileorder.js

```

function addOrderLine() {

    // retrieve values from form fields
    var itemCode = document.getElementById("item").value;
    var deliveryDate =
document.getElementById("deldate").value;
    var quantity = document.getElementById("qty").value;

    // create the ajaxRequest object
    var ajaxRequest = new XMLHttpRequest();

    // prepare the AJAX call
    ajaxRequest.open("POST", "mobileadd.pgm", true);

```

```

// define the callback function to process response
ajaxRequest.onreadystatechange = function() {

    if (ajaxRequest.readyState == 4) {
        if (ajaxRequest.status == 200) {

            // create object based on JSON response
            var response =
JSON.parse(ajaxRequest.responseText);

            if (response.success) {

                // Get the table element
                var table =
document.getElementById("orderGrid");

                // insert new row at end of table
                var row = table.insertRow(-1);

                // create cells for data in new row
                var itemCell = row.insertCell(0);
                var dateCell = row.insertCell(1);
                var qtyCell = row.insertCell(2);

                // set value and CSS class for new
cells
                itemCell.innerHTML = response.item;
                itemCell.className = "list-cell";

                dateCell.innerHTML = response.deldate;
                dateCell.className = "list-cell";

                qtyCell.innerHTML = response.qty;
                qtyCell.className = "list-cell list-
number";

                // reset form to defaults
                document.getElementById("item").value =
'';

                document.getElementById("deldate").value = '';
                document.getElementById("qty").value =
'';

            } else {
                // place error message in div

```

```

        document.getElementById("messageText").innerHTML =
response.text;
    }
    } else {

        document.getElementById("messageText").innerHTML = 'An
error occurred while processing your request.';
    }
}

// set HTML headers for AJAX call
ajaxRequest.setRequestHeader("Content-type","application/x-
www-form-urlencoded");

// make AJAX call using parameters in query string
ajaxRequest.send("item=" + escape(itemCode) +
    "&deldate=" + escape(deliveryDate) +
    "&qty=" + escape(quantity));

// prevent form from calling MOBILEORD.PGM
return false ;
}

```

mobileorder3.html

```

<!-- $top$ -->
Content-type: text/html

<!DOCTYPE html>
<html>
    <head>
        <meta name="viewport" content="width=device-width, initial-scale=1.0, maximum-
scale=1.0, target-densitydpi=device-dpi" />
        <title>Order Entry</title>
        <link rel="stylesheet" type="text/css" href="/articles/css/mobile.css">
        <script type="text/javascript" src="/articles/js/mobileorder.js"></script>
    </head>

    <body>

        <h1>Mobile Order Entry</h1>

        <form action="/cgi-bin/mobileord3.pgm" method="post" onsubmit="return
addOrderLine();">
            <table class="form-table">
                <tr>

```

```

        <td class="form-label">Item #:</td>
        <td> <input type="text" required name="item" id="item" size="20"
value="<!-- %item% -->"> </td>
    </tr>
    <tr>
        <td class="form-label">Delivery Date:</td>
        <td> <input type="date" required name="deldate" id="deldate" size="15"
value="<!-- %deldate% -->"> </td>
    </tr>
    <tr>
        <td class="form-label">Quantity:</td>
        <td> <input type="number" required name="qty" id="qty" size="10" min="0"
max="9999" value="<!-- %qty% -->"> </td>
    </tr>
    <tr>
        <td>
        </td>
        <td>
        <input type="button" name="command" value="Exit"
onclick="location.reload(true);" >
        <input type="submit" name="command" value="Place Order" >
        </td>
    </tr>

</table>
</form>

<div class="error-msg" id="messageText"></div>

<!-- $ordtablehead$ -->
<br>
<table class="list-table" border="1" id="orderGrid">
    <tr>
        <th class="list-head">Item #</th>
        <th class="list-head">Del. Date</th>
        <th class="list-head">Qty</th>
    </tr>

<!-- $ordtablerow$ -->

    <tr>
        <td class="list-cell"><!-- %orditem% --></td>
        <td class="list-cell"><!-- %orddate% --></td>
        <td class="list-cell list-number"><!-- %ordqty% --></td>
    </tr>

<!-- $ordtableend$ -->
</table>

</body>
</html>

```

mobileord3.pgm

```
H Option(*SrcStmt : *NoDebugIO) DftActGrp(*No)
H BndDir('ARTICLES/CGIBND')

FOrderFile uf      e          k Disk      ExtFile(*EXTDESC)
F                                     ExtDesc('ARTICLES/ORDERFILE')

/copy ARTICLES/QRPGLESRC,PROTOTYPEB
/copy ARTICLES/QRPGLESRC,USEC

// Global Vars
D QueryString      s          32767a      Varying

// Local Subprocedures
D New_Order        pr

// Mainline Code
/Free

// Load HTML Template
gethtmlIFS('/articles/html/mobileorder3.html' :
           '<!-- $' : '$ -->' : '<!-- %' : '% -->') ;

New_Order() ;

// Default Form Fields
updHTMLvar('item' : '') ;
updHTMLvar('deldate' : %char(%date():*ISO)) ;
updHTMLvar('qty' : '') ;

wrtsection('top') ;

// Output Table of Order
wrtsection('ordtablehead') ;

// Output End and Send to Browser
wrtsection('ordtableend *fini') ;

*inLR = *On ;
Return ;

/End-Free

// Subprocedures

// Procedure to Start a New Order
P New_Order        b

D New_Order        pi

/Free

Setll *Start OrderFile ;
Read OrderFile ;
```

```
Dow Not %EOF(OrderFile) ;  
    Delete OrdRec ;  
    Read OrderFile ;  
EndDo;  
  
Return ;  
  
/End-Free  
P New_Order      e
```