

SVG 가

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SVG 가 1
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SVG

svg_mode true ,

svg_mode 가 API가 .()

: /HTML5/COMPONENT/CANVAS/canvas_svg

- [canvas_svg.xml](#)
- [canvas_svg.js](#)
- [canvas_svg.css](#)

```
var nSelId = -1;
var line_arr = [factory.rgb(172,25,61), factory.rgb(62,126,251),
factory.rgb(154,28,162), factory.rgb(95,63,185)];

function screen_on_load()
{
    //
    drawflowchart();

    //
    draworgchart();
    // setitemeditable API 가
    canvas03.setitemeditable(-1, false);

    //
    drawshape();
}

function canvas01_on_click(objInst, nXPoint, nYPoint, nPageXPoint,
nPageYPoint, nItemId, nTextIndex, nImageIndex)
{
    var item_kind = canvas01.getitemkind(nItemId);
    if (item_kind == 0 || item_kind == 5 || item_kind == 15) {
        //
```

```
        var start_info = canvas01.getlineconnectinfo(nItemId, 0);
        var end_info = canvas01.getlineconnectinfo(nItemId, 1);
        var msg = canvas01.getitemtext(start_info[0]) + "      " +
canvas01.getitemtext(end_info[0]) + " ( )      ";
        alert(msg);
    }
}

function canvas01_on_rclick(objInst, nXPoint, nYPoint, nPageXPoint,
nPageYPoint, nItemId, nTextIndex, nImageIndex)
{
    //
    var bContinue = screen.confirm("                ?");
    if(bContinue) {
        canvas01.removeitem(nItemId);
    }
}

function canvas01_on_dropcomplete(objInst, src_objSrcScreen, objSrcInst,
nXPoint, nYPoint, nPageXPoint, nPageYPoint)
{
    if (!objSrcInst || objSrcInst.getcontrolkind() !=
XFD_CTRLKIND_PUSHBUTTON) { return; }

    var drag_info = factory.getmouseeventpos();
    var pos_x, pos_y;
    pos_x = (objSrcInst.getparent().getleft() + objSrcInst.getleft()) -
objInst.getleft() + nPageXPoint - drag_info.pageX;
    pos_y = (objSrcInst.getparent().gettop() + objSrcInst.gettop()) -
objInst.gettop() + nPageYPoint - drag_info.pageY;

    if (objSrcInst.getparent() == panel_line) {
        //
        canvas01.drawjoinline(pos_x, pos_y);
        return;
    }
    if (objSrcInst.getparent() == panel_shape) {
        var id = -1;
        var fill_color = objSrcInst.getbackcolor();
        if (objSrcInst == btn_start || objSrcInst == btn_end) {
            //
            id = canvas01.drawroundrect(pos_x, pos_y, 100, 50, 15, 15,
fill_color, false, 0);
            canvas01.setforecolor(0,0,0);
        }
        else if (objSrcInst == btn_brunch1 || objSrcInst == btn_brunch2) {
            //
            id = canvas01.drawdiamond(pos_x, pos_y, 120, 60, fill_color,
false, 0);
            canvas01.setforecolor(255,255,255);
        }
        else {
```

```
//
    id = canvas01.drawrect(pos_x, pos_y, 100, 50, fill_color, false,
0);
    canvas01.setforecolor(255,255,255);
}
if (id >= 0) {
    canvas01.additemtext(id, objSrcInst.gettext());
}

return;
}

}

//
function cb_arrowstyle_on_itemchange(objInst, nprev_item, ncur_item)
{
    canvas01.setarrowstyle(ncur_item);    // 0: none, 1: right_arrow, 2:
left_arrow, 3: both_arrow
}

//
function cb_linestyle_on_itemchange(objInst, nprev_item, ncur_item)
{
    canvas01.setlinestyle(ncur_item);    // 0: solid, 1: dash, 2: dot, 3:
dashdot, 4: dashdotdot
}

//
function cp_linecolor_on_change(objInst, nprev_item, ncur_item)
{
    canvas01.setlinecolor(cp_linecolor.gettext());
}

//
function btn_save_on_mouseup(objInst)
{
    // SVG      JSON
    var strJson = canvas01.savesvg();
    txt_save.settext(strJson);
}

//
function btn_clear_on_mouseup(objInst)
{
    canvas01.clearcanvas();    //
}

//      JSON
function btn_load_on_mouseup(objInst)
{
    var strJson = txt_save.gettext();
```

```
    canvas01.loadsvg(strJson);
}

//
function drawflowchart()
{
    var pos_x, pos_y;
    var nId, id_arr;

    id_arr = [];
    pos_x = 30;
    pos_y = 10;
    var objSrcInst = btn_start;
    var fill_color = objSrcInst.getbackcolor();
    nId = canvas01.drawroundrect(pos_x, pos_y, 100, 50, 15, 15, fill_color,
false, 0);
    canvas01.additemtext(nId, objSrcInst.gettext());
    id_arr.push(nId);

    canvas01.setforecolor(255,255,255);
    pos_y += 70;
    objSrcInst = btn_procl;
    fill_color = objSrcInst.getbackcolor();
    nId = canvas01.drawrect(pos_x, pos_y, 100, 50, fill_color, false, 0);
    canvas01.additemtext(nId, objSrcInst.gettext());
    id_arr.push(nId);

    pos_x += 50;
    pos_y += 70;
    objSrcInst = btn_brunch1;
    fill_color = objSrcInst.getbackcolor();
    nId = canvas01.drawdiamond(pos_x, pos_y, 120, 60, fill_color, false, 0);
    canvas01.additemtext(nId, objSrcInst.gettext());
    id_arr.push(nId);

    pos_x -= 50;
    pos_y += 100;
    objSrcInst = btn_proc2;
    fill_color = objSrcInst.getbackcolor();
    nId = canvas01.drawrect(pos_x, pos_y, 100, 50, fill_color, false, 0);
    canvas01.additemtext(nId, objSrcInst.gettext());
    id_arr.push(nId);

    pos_x += 120;
    pos_y -= 40;
    objSrcInst = btn_proc3;
    fill_color = objSrcInst.getbackcolor();
    nId = canvas01.drawrect(pos_x, pos_y, 100, 50, fill_color, false, 0);
    canvas01.additemtext(nId, objSrcInst.gettext());
    id_arr.push(nId);
}
```

```
canvas01.setforecolor(0,0,0);
pos_x -= 120;
pos_y += 110;
objSrcInst = btn_end;
fill_color = objSrcInst.getbackcolor();
nId = canvas01.drawroundrect(pos_x, pos_y, 100, 50, 15, 15, fill_color,
false, 0);
canvas01.additemtext(nId, objSrcInst.gettext());
id_arr.push(nId);

    canvas01.drawjoinline(10, 10, 1, 0, factory.rgb(0,0,0), 1, id_arr[0], 2,
id_arr[1], 0);
    canvas01.drawjoinline(10, 10, 1, 0, factory.rgb(0,0,0), 1, id_arr[1], 2,
id_arr[2], 0);
    canvas01.drawjoinline(10, 10, 1, 0, factory.rgb(0,0,0), 1, id_arr[2], 2,
id_arr[3], 0);
    canvas01.drawjoinline(10, 10, 1, 0, factory.rgb(0,0,0), 1, id_arr[2], 1,
id_arr[4], 0);
    canvas01.drawjoinline(10, 10, 1, 0, factory.rgb(0,0,0), 1, id_arr[4], 2,
id_arr[3], 1);
    canvas01.drawjoinline(10, 10, 1, 0, factory.rgb(0,0,0), 1, id_arr[3], 2,
id_arr[5], 0);
}

//
function draworgchart()
{
    var image_dir = "/TEMPLATE/HTML5/COMPONENT/CANVAS";
    var nId, id_arr;
    var pos_arr = [[100,10], [10,90], [190,90], [190,180]];
    var fill_arr = [factory.rgb(51,51,51), factory.rgb(51,51,51),
factory.rgb(51,51,51), factory.rgb(51,51,51)];
    var img_arr = ["/go.jpg", "/jang.jpg", "/kim.jpg", "/lee.jpg"];
    var name_arr = [ "      ", "      ", "      ", "      "];
    var job_arr = [ "      ", "      ", "      ", "      "];

    id_arr = [];
    for (var i=0; i<img_arr.length; i++) {
        nId = canvas03.drawrect(pos_arr[i][0], pos_arr[i][1], 160, 60,
fill_arr[i], false, 2, 0, line_arr[i]);
        canvas03.additemimage(nId, image_dir + img_arr[i], 40, 58, 0, 0, [1,
1, 0, 0]);
        canvas03.additemtext(nId, name_arr[i], 0, 0,
factory.rgb(255,255,255), null, 10, true, null, null, null, [50,5,0,0]);
        canvas03.additemtext(nId, "      : " + job_arr[i], 0, 0,
factory.rgb(255,255,255), null, 8, null, null, null, null, [50,20,0,0]);
        canvas03.setitemuserdata(nId, i);
        id_arr.push(nId);
    }

    canvas03.drawjoinline(10, 10, 2, 0, factory.rgb(255,255,255), 0,
```

```
id_arr[0], 2, id_arr[1], 0);
    canvas03.drawjoinline(10, 10, 2, 0, factory.rgb(255,255,255), 0,
id_arr[0], 2, id_arr[2], 0);
    canvas03.drawjoinline(10, 10, 2, 0, factory.rgb(255,255,255), 0,
id_arr[2], 2, id_arr[3], 0);
}

function canvas03_on_click(objInst, nXPoint, nYPoint, nPageXPoint,
nPageYPoint, nItemId, nTextIndex, nImageIndex)
{
    if (nSelId >= 0) {
        var index = canvas03.getitemuserdata(nSelId);
        canvas03.setitemlinestyle(nSelId, null, null, line_arr[index]);
    }

    if (canvas03.getitemkind(nItemId) != 1) {
        return;
    }
    canvas03.setitemlinestyle(nItemId, null, null,
factory.rgb(200,255,200));
    nSelId = nItemId;
}

function canvas03_on_dbclick(objInst, nXPoint, nYPoint, nPageXPoint,
nPageYPoint, nItemId, nTextIndex, nImageIndex)
{
    //
    if (nItemId >= 0 && canvas03.getitemkind(nItemId) == 1) {
        var name = "      : " + canvas03.getitemtext(nItemId, 0);
        var rank = canvas03.getitemtext(nItemId, 1);
        screen.alert(name + "\r\n" + rank);
    }
}

//
function drawshape() {
    var id;
    var pos_x = 60;
    var pos_y = 60;
    var width = 100;
    var height = 60;
    var radius_x = width/2;
    var radius_y = height/2;

    id = canvas02.drawcircle(pos_x, pos_y, radius_x);
    canvas02.additemtext(id, " ");

    pos_x += 120;
    id = canvas02.drawellipse(pos_x, pos_y, radius_x, radius_y);
    canvas02.additemtext(id, " ");

    pos_x += 120;
```



```
id = canvas02.drawpentagon(pos_x, pos_y, radius_x);
canvas02.additemtext(id, "      ");

pos_x += 120;
id = canvas02.drawhexagon(pos_x, pos_y, radius_x);
canvas02.additemtext(id, "      ");

pos_x += 120;
id = canvas02.drawheptagon(pos_x, pos_y, radius_x);
canvas02.additemtext(id, "      ");

pos_x += 120;
id = canvas02.drawoctagon(pos_x, pos_y, radius_x);
canvas02.additemtext(id, "      ");

pos_x = 60;
pos_y += 60;
id = canvas02.drawtriangle(pos_x, pos_y, width, height);
canvas02.additemtext(id, "      ");

pos_x += 80;
id = canvas02.drawrighttriangle(pos_x, pos_y, width+40, height);
canvas02.additemtext(id, "      ", 0);

pos_x += 160;
id = canvas02.drawroundrect(pos_x, pos_y, width+20, height, 15, 15);
canvas02.additemtext(id, "      ");

pos_x += 160;
var unit = 20;
var points = [];
points.push({x:pos_x, y:pos_y});
points.push({x:pos_x+width, y:pos_y});
points.push({x:pos_x+(width-unit), y:pos_y+height});
points.push({x:pos_x-unit, y:pos_y+height});
id = canvas02.drawpolygon(points);
canvas02.additemtext(id, "      ");

pos_x += 130;
points = [];
points.push({x:pos_x, y:pos_y});
points.push({x:pos_x+width, y:pos_y});
points.push({x:pos_x+(width+unit), y:pos_y+height});
points.push({x:pos_x-unit, y:pos_y+height});
id = canvas02.drawpolygon(points);
canvas02.additemtext(id, "      ");
}
```

From:

<http://technet.softbase.co.kr/wiki/> - **xFrame5 TechNet**

Permanent link:

http://technet.softbase.co.kr/wiki/guide/component/canvas/canvas_svg



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