

차트 API 기술정의서

최진원

참고사이트

제이쿼리도넛차트:

<https://www.jqueryscript.net/chart-graph/Create-Pretty-Animated-Donut-Charts-with-jQuery-Chart-js.html>

구글도넛차트:

<https://developers.google.com/chart/interactive/docs/gallery/piechart#donut>

제이쿼리라인차트:

<https://www.jqueryscript.net/chart-graph/Lightweight-Line-Chart-Plugin-with-jQuery-Canvas.html>

참고사이트에서 필요한 라이브러리를 받아서 넣어주자!

```
<title>차트모음</title>
<!-- 제이쿼리차트공통 -->
<script src="//ajax.googleapis.com/ajax/libs/jquery/2.1.3/jquery.min.js"></script>
<!-- 제이쿼리도넛 -->
<script src="/js/calendar/pretty-doughtnut.js"></script>
<script src="http://cdnjs.cloudflare.com/ajax/libs/Chart.js/1.0.1/Chart.min.js"></script>
<!-- 구글차트 -->
<script type="text/javascript" src="https://www.gstatic.com/charts/loader.js"></script>
<!-- 제이쿼리라인차트 -->
<script src="/js/calendar/SimpleChart.js"></script>
```

service, dao, xml은 간단한 select 코드로 되있기 때문에 제외하고 controller와 jsp예제만 포함.

controller

```
@RequestMapping(value="/chart")
public String chart(Model model){
    //라인차트
    String TEAMMEMBER1 = "곽현호";
    String TEAMMEMBER2 = "최진원";
    String TEAMMEMBER3 = "정혜지";
    String TEAMMEMBER4 = "김혜진";
    String TEAMMEMBER5 = "김호민";
    String TEAMMEMBER6 = "이윤상";
    List<LineWorkVO> lineList1 = service.lineList(TEAMMEMBER1);
    List<LineWorkVO> lineList2 = service.lineList(TEAMMEMBER2);
    List<LineWorkVO> lineList3 = service.lineList(TEAMMEMBER3);
    List<LineWorkVO> lineList4 = service.lineList(TEAMMEMBER4);
    List<LineWorkVO> lineList5 = service.lineList(TEAMMEMBER5);
    List<LineWorkVO> lineList6 = service.lineList(TEAMMEMBER6);
    model.addAttribute("lineList1", lineList1);
    model.addAttribute("lineList2", lineList2);
    model.addAttribute("lineList3", lineList3);
    model.addAttribute("lineList4", lineList4);
    model.addAttribute("lineList5", lineList5);
    model.addAttribute("lineList6", lineList6);
    //제이쿼리도넛차트
    List<CountVO> list = service.countList();
    model.addAttribute("list", list);
    //구글도넛차트
    List<IssueVO> issueList = service.issueList();
    model.addAttribute("issueList", issueList);

    return "chart";
}
```

테스트예제라 야매코드로 작성..

```

<body>
<h1>차트종합모음</h1>
<div id="container"></div>

<div id="donutchart" style="width: 900px; height: 500px;"></div>

<div id="Linegraph" style="width: 98%; height: 500px"> </div>

</body>

```

```

//제이쿼리도넛
$(window).load(function() {
    doughnutWidget.options = {
        container: $('#container'),
        width: 100,
        height: 100,
        class: 'myClass',
        cutout: 50
    };
    doughnutWidget.render(data());
    setInterval(init, 2000);
});
function init() {
    doughnutWidget.render(data());
}
function data() {
    var data = {
        <c:forEach var="list" items="{list}">
            팀산출물: {
                val: <c:out value="{list.TEAMCOUNT*10}" />,
                color: '#57B4F2',
            },
            개인산출물: {
                val: <c:out value="{list.COUNT*10}" />,
                color: '#6DED5C'
            }
        </c:forEach>
    };
    return data;
}

// 구글
google.charts.load("current", {packages:["corechart"]});
google.charts.setOnLoadCallback(drawChart);
function drawChart() {
    var data = google.visualization.arrayToDataTable([
        <c:forEach var="issueList" items="{issueList}">
            ['Task', 'Hours per Day'],
            ['발생', <c:out value="{issueList.OCCUR}" />],
            ['확인중', <c:out value="{issueList.CHECKING}" />],
            ['해결', <c:out value="{issueList.SOLUTION}" />],
            ['거절', <c:out value="{issueList.REFUSE}" />]
        </c:forEach>
    ]);
    var options = {
        title: '이슈동향',
        pieHole: 0.4,
    };
    var chart = new google.visualization.PieChart(document.getElementById('donutchart'));
    chart.draw(data, options);
}

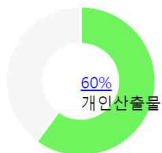
//제이쿼리 라인차트
var graphdata1 = {
    linecolor: "#FF99CC",
    title: '직원포',
    values: [
        <c:forEach var="lineList1" items="{lineList1}" varStatus="status">
            { X: '<c:out value="{lineList1.LASTDATE}" />', Y: <c:out value="{lineList1.WORKCOUNT}" /> }
            <c:if test="{!status.last}"></c:if>
        </c:forEach>
    ]
};
var graphdata2 = {
    linecolor: "#00CC66",
    title: '최원원',
    values: [
        <c:forEach var="lineList2" items="{lineList2}" varStatus="status">
            { X: '<c:out value="{lineList2.LASTDATE}" />', Y: <c:out value="{lineList2.WORKCOUNT}" /> }
            <c:if test="{!status.last}"></c:if>
        </c:forEach>
    ]
};
var graphdata3 = {
    linecolor: "#e842f4",
    title: '정예지',
    values: [
        <c:forEach var="lineList3" items="{lineList3}" varStatus="status">
            { X: '<c:out value="{lineList3.LASTDATE}" />', Y: <c:out value="{lineList3.WORKCOUNT}" /> }
            <c:if test="{!status.last}"></c:if>
        </c:forEach>
    ]
};

```

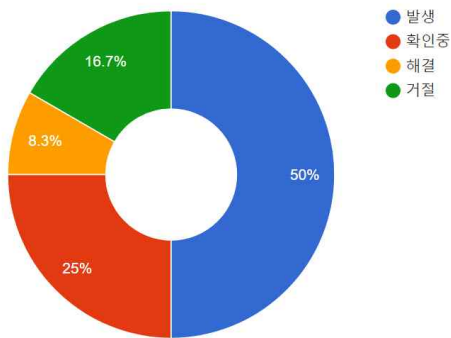
```
//제이쿼리라인차트
$(function () {
    $("#Linegraph").SimpleChart({
        ChartType: "Line",
        toolwidth: "50",
        toolheight: "25",
        axiscolor: "#E6E6E6",
        textcolor: "#6E6E6E",
        showlegends: true,
        data: [graphdata1, graphdata2, graphdata3, graphdata4, graphdata5, graphdata6],
        legendsize: "80",
        legendposition: 'bottom',
        xlabel: '마감일자',
        title: '일감현황',
        ylabel: '일감갯수',
        LegendTitle: "팀원현황"
    });
});
```

※제이쿼리라인차트는 참고사이트에서 style 복사해서 넣어주었다.

데모



이슈동향



일감현황

