

## 1、设计思路

- (1) 运用导航条，实现多个图在同一界面；
- (2) 实现各种不同的图

## 2、设计源码

chart.mxml：

```
<?xml version="1.0" encoding="utf-8"?>
<s:Application xmlns:fx="http://ns.adobe.com/mxml/2009"
    xmlns:s="library://ns.adobe.com/flex/spark"
    xmlns:mx="library://ns.adobe.com/flex/mx"
    width="100%" height="100%"
    xmlns:charts="mx.charts.*"
    xmlns:series="mx.charts.series.*">
    <s:layout>
        <s:BasicLayout/>
    </s:layout>
    <fx:Declarations>
    </fx:Declarations>
    <fx:Script>
        <![CDATA[
            import mx.collections.ArrayCollection;

            [Bindable]
            private var chartArray:ArrayCollection = new ArrayCollection([
                {total:"星期一", apple:"78454", banana:"89454", orange:"45122", peach:"65323"},
                {total:"星期二", apple:"57854", banana:"65454", orange:"56122", peach:"78845"},
                {total:"星期三", apple:"56454", banana:"51544", orange:"45121", peach:"95656"},
                {total:"星期四", apple:"95659", banana:"65645", orange:"32323", peach:"42122"},
                {total:"星期五", apple:"54555", banana:"56566", orange:"56232", peach:"56512"},
                {total:"星期六", apple:"54452", banana:"12454", orange:"78454", peach:"26565"},
                {total:"星期日", apple:"23346", banana:"56129", orange:"56444", peach:"23566"},
            ]);

            [Bindable]
            private var candArray:ArrayCollection = new ArrayCollection([
                { Date: "2013-01-01", Open: 40.75, High: 40.75, Low: 40.24, Close:40.31},
                { Date: "2013-01-02", Open: 39.98, High: 40.78, Low: 39.97, Close:40.34},
                { Date: "2013-01-03", Open: 40.38, High: 40.66, Low: 40.12, Close:40.63},
                { Date: "2013-01-04", Open: 40.49, High: 40.99, Low: 40.32, Close:40.98},
                { Date: "2013-01-05", Open: 40.13, High: 40.46, Low: 39.65, Close:39.95},
                { Date: "2013-01-06", Open: 39.00, High: 39.50, Low: 38.78, Close:38.62},
                { Date: "2013-01-07", Open: 38.68, High: 39.34, Low: 37.75, Close:38.84},
                { Date: "2013-01-08", Open: 38.76, High: 38.76, Low: 38.03, Close:38.12},
                { Date: "2013-01-09", Open: 37.98, High: 37.98, Low: 36.56, Close:36.69},
                { Date: "2013-01-10", Open: 36.61, High: 37.56, Low: 36.48, Close:36.86}
            ]);
        ]]>
    </fx:Script>
    <mx:TabNavigator width="100%" height="100%" paddingBottom="10" paddingLeft="10" paddingRight="10" paddingTop="10">
        <s:NavigatorContent label="饼图" width="100%" height="100%">
            <mx:VBox width="100%" height="100%">
                <charts:PieChart id="pie" dataProvider="{chartArray}" height="90%" width="100%" showDataTips="true">
                    <charts:series>
                        <series:PieSeries displayName="总收入" field="apple" nameField="total"/>
                    </charts:series>
                </charts:PieChart>
                <mx:HBox width="100%">
                    <s:Label width="30%"/>
                    <charts:Legend dataProvider="{pie}" direction="horizontal"/>
                </mx:HBox>
            </mx:VBox>
        </s:NavigatorContent>
        <s:NavigatorContent label="柱状图" width="100%" height="100%">
            <mx:VBox width="100%" height="100%">
                <charts:ColumnChart id="column" dataProvider="{chartArray}" showDataTips="true" width="100%" height="90%" fontSize="16">
                    <charts:horizontalAxis>
                        <charts:CategoryAxis categoryField="total" displayName="星期"/>
                    </charts:horizontalAxis>
                    <charts:series>
```

```

68.         <series:ColumnSeries displayName="苹果" yField="apple" xField="total"/>
69.         <series:ColumnSeries displayName="香蕉" yField="banana" xField="total"/>
70.         <series:ColumnSeries displayName="橘子" yField="orange" xField="total"/>
71.         <series:ColumnSeries displayName="桃子" yField="peach" xField="total"/>
72.     </charts:series>
73. </charts:ColumnChart>
74. <mx:HBox width="100%">
75.     <s:Label width="45%" />
76.     <charts:Legend dataProvider="{column}" height="25" fontSize="16"/>
77. </mx:HBox>
78. </mx:VBox>
79. </s:NavigatorContent>
80. <s:NavigatorContent label="面积图" width="100%" height="100%">
81.     <mx:VBox width="100%" height="100%">
82.         <charts:AreaChart id="area" dataProvider="{chartArray}" fontSize="16" width="100%" height="90%" showDataTips="true">
83.
84.             <charts:horizontalAxis>
85.                 <charts:CategoryAxis categoryField="total" displayName="星期"/>
86.             </charts:horizontalAxis>
87.             <charts:series>
88.                 <series:AreaSeries displayName="苹果" yField="apple" xField="total"/>
89.                 <series:AreaSeries displayName="香蕉" yField="banana" xField="total"/>
90.                 <series:AreaSeries displayName="橘子" yField="orange" xField="total"/>
91.                 <series:AreaSeries displayName="桃子" yField="peach" xField="total"/>
92.             </charts:series>
93.         </charts:AreaChart>
94.         <mx:HBox width="100%">
95.             <s:Label width="45%" />
96.             <charts:Legend dataProvider="{area}" height="25" fontSize="16"/>
97.         </mx:HBox>
98.     </mx:VBox>
99. </s:NavigatorContent>
100. <s:NavigatorContent label="折线图" width="100%" height="100%">
101.     <mx:VBox width="100%" height="100%">
102.         <charts:LineChart id="line" dataProvider="{chartArray}" fontSize="16" width="100%" height="90%" showDataTips="true">
103.
104.             <charts:horizontalAxis>
105.                 <charts:CategoryAxis categoryField="total" displayName="星期"/>
106.             </charts:horizontalAxis>
107.             <charts:series>
108.                 <series:LineSeries displayName="苹果" yField="apple" xField="total"/>
109.                 <series:LineSeries displayName="香蕉" yField="banana" xField="total"/>
110.                 <series:LineSeries displayName="橘子" yField="orange" xField="total"/>
111.                 <series:LineSeries displayName="桃子" yField="peach" xField="total"/>
112.             </charts:series>
113.         </charts:LineChart>
114.         <mx:HBox width="100%">
115.             <s:Label width="45%" />
116.             <charts:Legend dataProvider="{line}" height="25" fontSize="16"/>
117.         </mx:HBox>
118.     </mx:VBox>
119. </s:NavigatorContent>
120. <s:NavigatorContent label="条形图" width="100%" height="100%">
121.     <mx:VBox width="100%" height="100%">
122.         <charts:BarChart id="bar" dataProvider="{chartArray}" fontSize="16" width="100%" height="90%" showDataTips="true">
123.             <charts:verticalAxis>
124.                 <charts:CategoryAxis categoryField="total" displayName="星期"/>
125.             </charts:verticalAxis>
126.             <charts:series>
127.                 <series:BarSeries displayName="苹果" xField="apple" yField="total"/>
128.                 <series:BarSeries displayName="香蕉" xField="banana" yField="total"/>
129.                 <series:BarSeries displayName="橘子" xField="orange" yField="total"/>
130.                 <series:BarSeries displayName="桃子" xField="peach" yField="total"/>
131.             </charts:series>
132.         </charts:BarChart>
133.         <mx:HBox width="100%">
134.             <s:Label width="45%" />
135.             <charts:Legend dataProvider="{bar}" height="25" fontSize="16"/>
136.         </mx:HBox>
137.     </mx:VBox>
138. </s:NavigatorContent>
139. <s:NavigatorContent label="气泡图" width="100%" height="100%">
140.     <mx:VBox width="100%" height="100%">
141.         <charts:BubbleChart id="bubble" dataProvider="{chartArray}" fontSize="16" showDataTips="true" width="100%" height="90%">
142.
143.             <charts:series>
144.                 <series:BubbleSeries displayName="苹果" yField="apple" radiusField="banana"/>
145.                 <series:BubbleSeries displayName="橘子" yField="orange" radiusField="banana"/>
146.                 <series:BubbleSeries displayName="桃子" yField="peach" radiusField="banana"/>
147.             </charts:series>
148.         </charts:BubbleChart>
149.         <mx:HBox width="100%">
150.             <s:Label width="45%" />
151.             <charts:Legend dataProvider="{bubble}" height="25"/>
152.         </mx:HBox>
153.     </mx:VBox>
154. </s:NavigatorContent>
155. <s:NavigatorContent label="蜡烛图" width="100%" height="100%">
156.     <mx:VBox width="100%" height="100%">
157.         <charts:CandlestickChart id="candlestick" dataProvider="{candArray}" fontSize="16" width="100%" height="90%">
158.             <charts:verticalAxis>

```

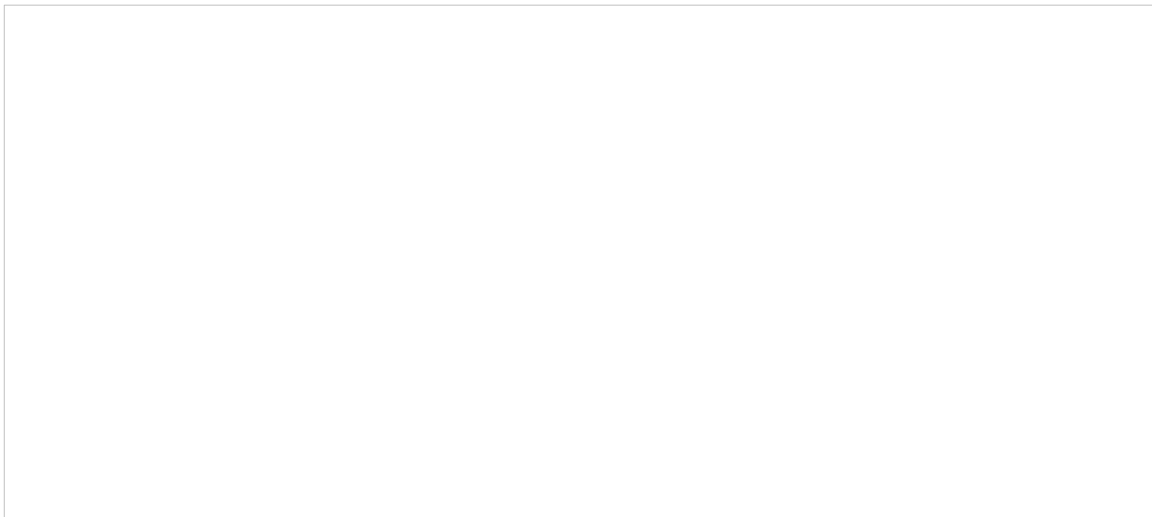
```

156.         <mx:LinearAxis id="haxis" baseAtZero="true" title="Price"/>
157.     </charts:verticalAxis>
158.     <charts:horizontalAxis>
159.         <mx:CategoryAxis categoryField="Date" title="Date" displayName="日期"/>
160.     </charts:horizontalAxis>
161.     <charts:horizontalAxisRenderers>
162.         <mx:AxisRenderer axis="{haxis}" canDropLabels="true"/>
163.     </charts:horizontalAxisRenderers>
164.     <charts:series>
165.         <series:CandlestickSeries openField="Open"
166.                                   highField="High"
167.                                   lowField="Low"
168.                                   closeField="Close"/>
169.     </charts:series>
170. </charts:CandlestickChart>
171. <mx:HBox width="100%">
172.     <s:Label width="45%"/>
173.     <charts:Legend dataProvider="{candlestick}" height="25"/>
174. </mx:HBox>
175. </mx:VBox>
176. </s:NavigatorContent>
177. <s:NavigatorContent label="基址图" width="100%" height="100%">
178.     <mx:VBox width="100%" height="100%">
179.         <mx:PlotChart id="plot" dataProvider="{chartArray}" fontSize="16" showDataTips="true" width="100%" height="90%">
180.             <mx:horizontalAxis>
181.                 <mx:CategoryAxis categoryField="total" displayName="星期"/>
182.             </mx:horizontalAxis>
183.             <mx:series>
184.                 <mx:PlotSeries displayName="苹果" yField="apple" xField="total"/>
185.                 <mx:PlotSeries displayName="香蕉" yField="banana" xField="total"/>
186.                 <mx:PlotSeries displayName="橘子" yField="orange" xField="total"/>
187.                 <mx:PlotSeries displayName="桃子" yField="peach" xField="total"/>
188.             </mx:series>
189.         </mx:PlotChart>
190.         <mx:HBox width="100%">
191.             <s:Label width="45%"/>
192.             <charts:Legend dataProvider="{plot}" height="25"/>
193.         </mx:HBox>
194.     </mx:VBox>
195. </s:NavigatorContent>
196. </mx:TabNavigator>
197. </s:Application>

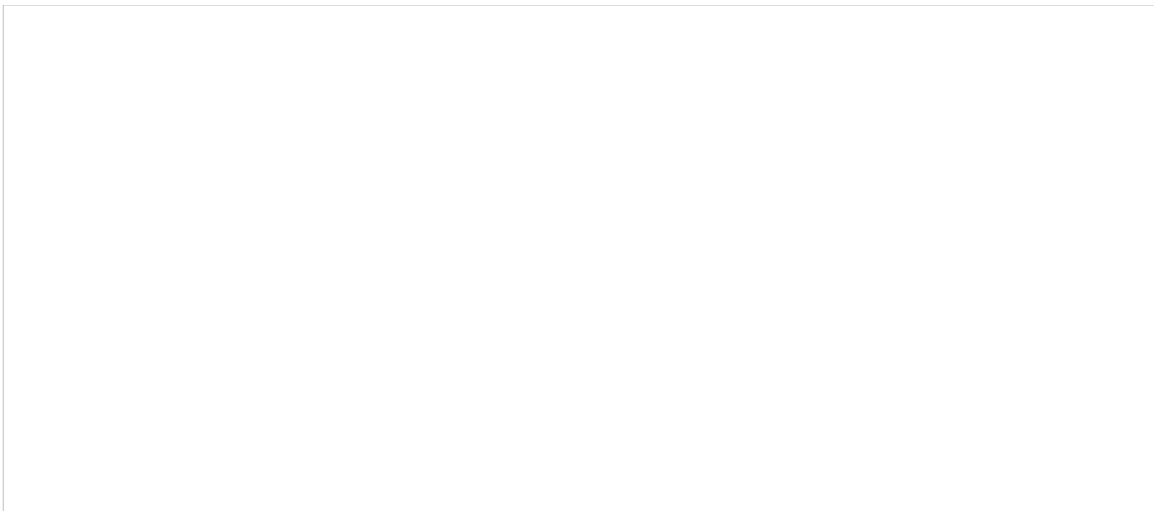
```

### 3、运行结果

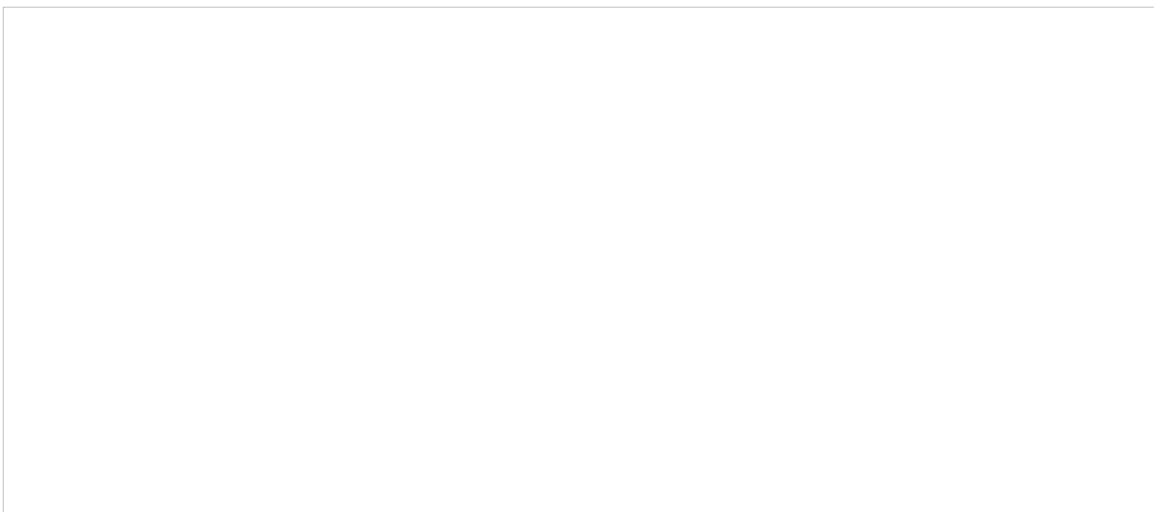
#### (1) 饼图



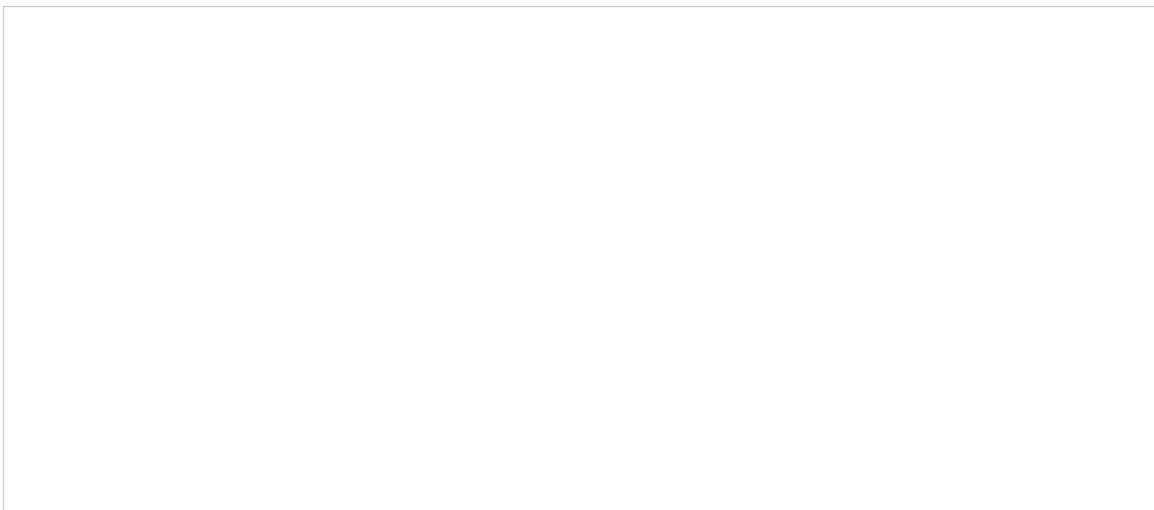
#### (2) 柱状图



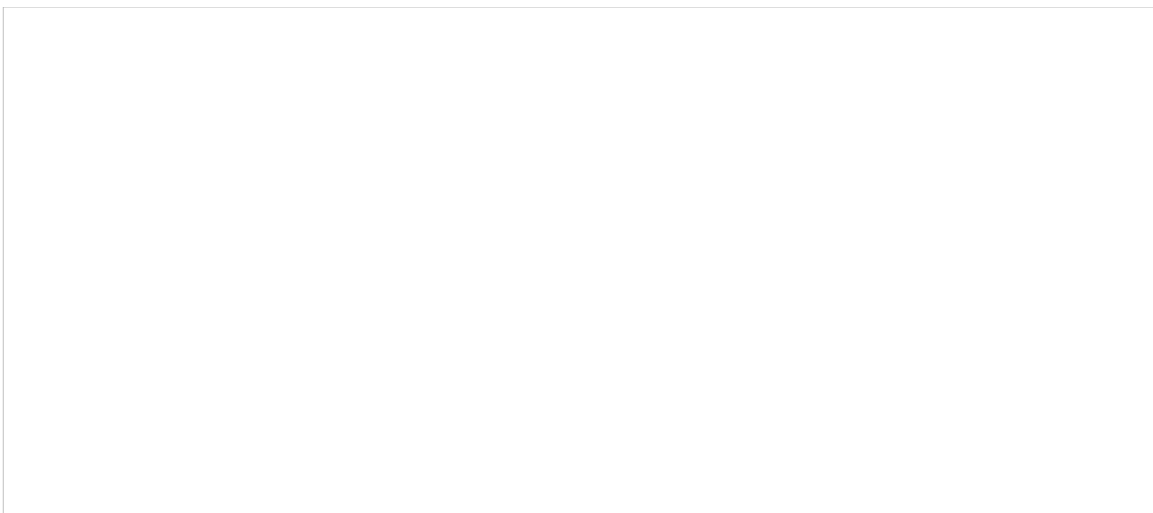
(3) 面积图



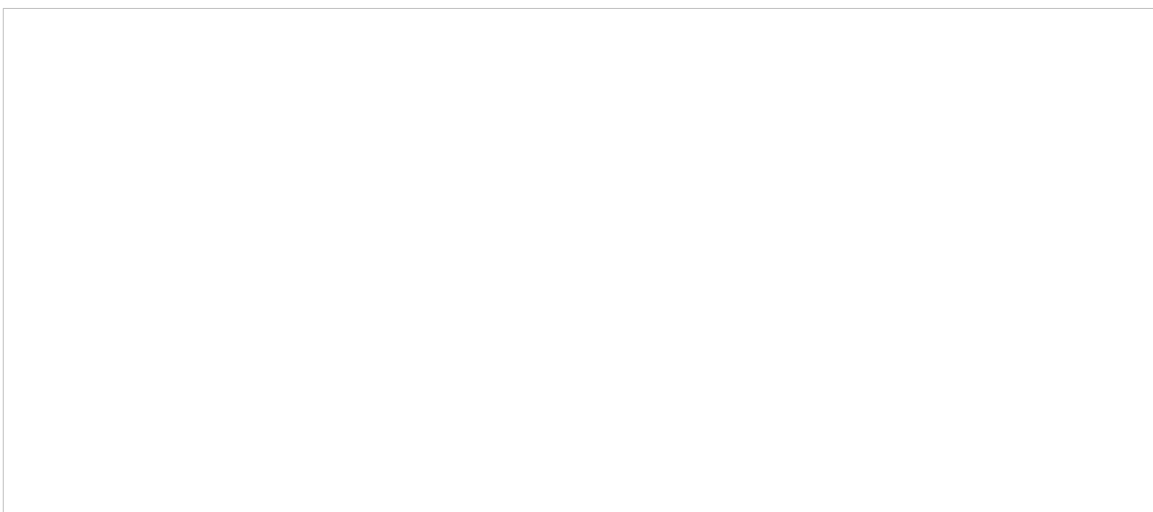
(4) 折线图



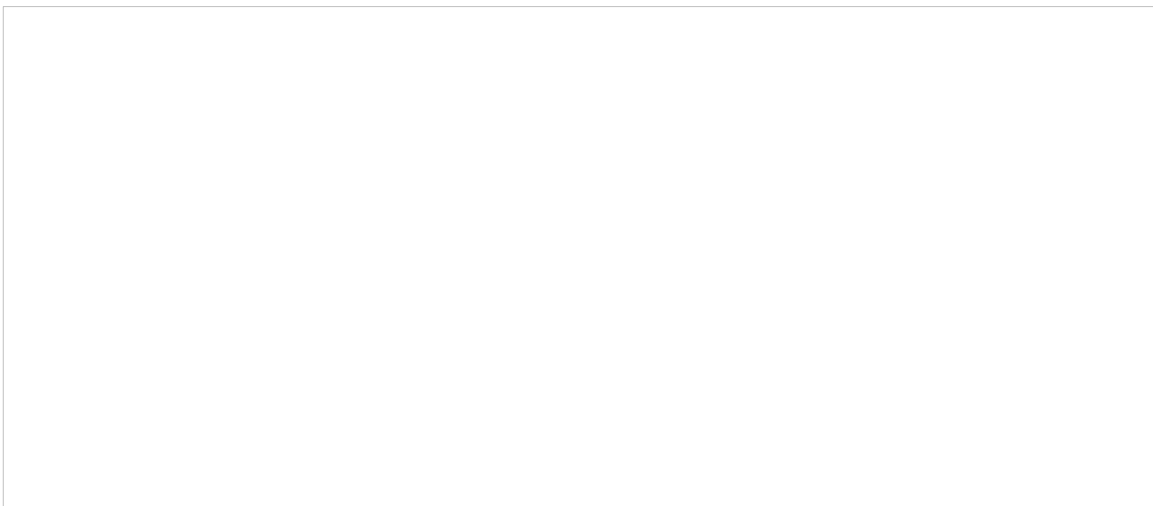
(5) 条状图



(6) 气泡图



(7) 蜡烛图



(8) 基址图

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