Spring MVC Tutorial – Contact List Application

Step 17: Wiring View to Stats REST Controller Endpoints

SOFTWARE GUILD

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Step 17: Wiring View to Stats REST Controller Endpoints

Overview

In this step, we'll wire the Stats view components created in Step 13 to the Stats REST endpoint created in Step 12. To do this, we will modify the drawChart() function in stats.js to render live data from the server rather than using the hardcoded data created in Step 13.

Modify drawChart()

The modifications to the drawChart() function follow the pattern established when we wired live data to the client-side CRUD functionality of the application. These changes remove the hardcoded data created in Step 5 and replace it with live data from the server retrieved through the REST endpoint created in the previous step. Replace the current version of drawCharts() (in stats.js) with this code:

```
// draw the bar chart
function drawChart() {
      $.get('stats/chart').success(function (data) {
          // first, create the DataTable from the response data string.
          // our response string is generated on the server by converting the Java
          // Google DataTable object into a JSON string using the Google
JsonRenderer
          // object
          var dataTable = new google.visualization.DataTable(data);
          // set options for the chart - we're setting the main title, the
verticle and
          // horizontal axis labels and the height/width of the chart
          var options = {
              title: 'Contacts By Company',
              vAxis: {title: 'Company', titleTextStyle: {color: 'red'}},
              hAxis: {title: 'Num Contacts', titleTextStyle: {color: 'red'}},
              'width': 500,
              'height': 400
          };
          // create the chart (a BarChart here) - pass in the HTML element into
which
          // you want to render the chart - here it is the <div> called 'chartDiv'
on the
          // jQueryChart.jsp page
          var chart =
              new
google.visualization.BarChart(document.getElementById('chart div'));
          // finally, draw the chart
          chart.draw(dataTable, options);
      });
 }
```

Wrap-up

In this step, we wired the Stats chart to live data from the Stats REST endpoint created in the previous step.