Horizontal Stacked Bar Charts using d3

Description: Add a bar chart to a view widget. The module **barChartUtils** uses the d3 (Data Driven Documents) library. It can be imported using requireJS.

require([‘barChartUtils’], function(barChartUtils){})

This returns an object that exposes three methods for BarChart creation.

* 1.draw
  + barChartUtils.draw(DOMNode)

This method takes a DOMNode as an argument and adds an empty svg tag(which is used by the d3 library to render the chart) to the passed DOMNode.

* 2.addRow
  + barChartUtils.addRow(order)

This method is used to add rows to the existing Bar Chart holder.

It takes as argument the order to be added and extracts the quantity Placed for an order, the quantity Executed and the totalOrders and displays them in the form of a barchart row on the DOMNode drawn using the ‘draw’ method.

* 3.updateRow
  + barChartUtils.updateRow(order)

This method is used to modify an existing order in the chart with the updated QuantityPlaced and QuantityExecuted. It takes the updated order as an argument, checks the id of the order and applies the updated QuantityPlaced and QuantityExecuted values to the order view.

DOMNode is a JavaScript Node.

quantityPlaced, quantityExecuted and totalOrders are natural numbers.