Firefly chart design

MultiViewRoot
viewerId
ChartMultiViewData[]

0..*

<LinePlot/>
chart_id
tbl_id
LinePlotOption

ChartMultiViewData
chart_id
title
type
SingleChartData or
CompositeChartData

ChartData
chart_data_id
type
ChartDataElements[]

1   1..*

ChartDataElement
chart_el_id(?)
highChartOptions
tbl_id
data_serie
other states for this serie

<LinePlotOption/>
highChartOptions[]
serverParams[]

SingleChartData
chart_data_id

2..*

TableModel
request
highlight
selection
filtering
sorting

<ScatterPlot/>
chart_id
tbl_id
ScatterPlotOption

CompositeChartData
chart_data_id[]
anything else needed

<ScatterPlotOption />
highChartOptions[]
serverParams[]

CHART_ADD<chart_id>
CHART_REMOVE<chart_id>
CHART_OPTION_UPDATE<chart_id, chart_el_id>

CHART_DATA_FETCH
CHART_DATA_LOADED
TABLE_FILTER
TABLE_SORT
TABLE_HIGHLIGHT
TABLE_SELECT

<CompositePlot/>
chart_id
CompositePlotOption

Action sequence:

-> CHART_ADD
-> TABLE_FETCH -> TABLE_LOADED -> CHART_DATA_FETCH -> (data transformation) -> CHART_DATA_LOADED

<CompositePlotOption/>
ChartData[]