**Design document for Bar Graph**

**Introduction:-**

To create bar graph I have used canvas js library. Because PostgreSQL does not come out-of-the-box with any native charts or reporting tools. So we have to use third party library to make bar graph so I have used canvas js.

**CanvasJS:-**

JavaScript Charting Library using basic JavaScript & HTML

**Description:-**

Instantiate a new Chart object by sending the ID of div element where the chart is to be rendered. We can also pass DOM element instead of ID

Pass all the Chart related “options” to the constructor as the second parameter.

Call chart.render() method to render the chart

Chart “options” mainly contains 4 important elements.

title object with its text property set.

data Points – which is an array of all data items to be rendered

data Series – parent of data Points that also defines type of chart and other series wide options

data – array element which is a collection of one or more dataSeries objects. Here we have only one data Series

