

There are 2 components used to create charts.

### **Line chart Component –**

‘LineChartComponent’ is used to create line chart of available docks for selected station in a specified location. In this component, ‘get-chart-data service’ is called to get available docks for selected stations and stored in array of object called ‘chart’. This array is used as data source to plot line chart. Line chart has plotted using methods like initSvg(), initAxis(), drawAxis() and drawline(). This component is called from parent component ‘ListOfStationsComponent’.

### **sma-line chart Component –**

‘SmaLineChartComponent’ is used to create line chart of simple moving average of Divvy available docks for selected station on a specified location. In this component, ‘get-chart-data service’ is called to get available docks for selected stations and simple moving average of Divvy available docks is calculated and stored in array of object called ‘sma’. This array is used as data source to plot line chart. Line chart has plotted using methods like initSvg() initAxis(), drawAxis() and drawline(). This component is called from parent component ‘ListOfStationsComponent’.