

```

1  import { Injectable } from '@angular/core';
2  import { Subject } from 'rxjs/Subject';
3
4  @Injectable()
5
6  export class WindowSizeService {
7      private _innerHeight: any;
8      private _innerWidth: any;
9      private _currentSize: string;
10
11      public sizeChanged = new Subject<string>();
12
13
14      // set current bootstrap screen size on object creation
15      constructor() {
16          this.onResize();
17      }
18
19      // set current bootstrap screen size when called
20      onResize() {
21          this._innerHeight = window.innerHeight;
22          this._innerWidth = window.innerWidth;
23          // xs -> Portrait Phones
24          if (this._innerWidth < 576) {
25              this._currentSize = 'xs';
26              this._screenSizeChanged(this._currentSize);
27          }
28          // sm -> Landscape Phones
29          if (this._innerWidth >= 576 && this._innerWidth < 768) {
30              this._currentSize = 'sm';
31              this._screenSizeChanged(this._currentSize);
32          }
33          // md -> Tablets
34          if (this._innerWidth >= 768 && this._innerWidth < 992) {
35              this._currentSize = 'md';
36              this._screenSizeChanged(this._currentSize);
37          }
38          // lg -> Smaller Desktops
39          if (this._innerWidth >= 992 && this._innerWidth < 1200) {
40              this._currentSize = 'lg';
41              this._screenSizeChanged(this._currentSize);
42          }
43          // xl -> Larger Desktops
44          if (this._innerWidth >= 1200) {
45              this._currentSize = 'xl';
46              this._screenSizeChanged(this._currentSize);
47          }
48      }
49
50      // return current bootstrap size of the window
51      getCurrentSize(): string {
52          return this._currentSize;
53      }
54
55      // return true if window width is larger than 991px
56      isDesktopSize(): boolean {
57          return this._currentSize === 'lg' || this._currentSize === 'xl' ? true : false;
58      }
59
60      // send an event when called
61      private _screenSizeChanged(newSize: string) {
62          this.sizeChanged.next(newSize);
63      }
64  }
65
66

```