

```
1: /*****
*****/
2: /* GuitarString.hpp
   */
3: /* Yoo Min Cha
   */
4: /* GuitarString
   */
5: /* Professor Martin
   */
6: /* 28 March 2014
   */
7: /*****
*****/
8:
9: #ifndef _GuitarString_HPP
10: #define _GuitarString_HPP
11:
12: #include <SFML/System.hpp>
13: #include <vector>
14:
15: #include "RingBuffer.hpp"
16:
17: class GuitarString
18: {
19: private:
20:     RingBuffer* _rb;
21:     int _time;
22: public:
23:     GuitarString(double frequency);
24:     GuitarString(std::vector<sf::Int16> init);
25:     ~GuitarString();
26:     void pluck();
27:     void tic();
28:     sf::Int16 sample();
29:     int time();
30: };
31:
32: #endif
```