

```

1 package application.model;
2
3 import java.util.Date;
4 import java.text.SimpleDateFormat;
5 import java.util.ArrayList;
6
7 public class Team implements Subject{
8     private String name;
9     private int score;
10    private String lastEdited;
11
12    private ArrayList<Observer> observers;
13
14
15    public Team() {
16        this.name = "No name provided";
17        this.score = 0;
18        setDate();
19
20        observers = new ArrayList<Observer>();
21    }
22
23    public Team(String name, int score) {
24        this.name = name;
25        this.score = score;
26        setDate();
27
28        observers = new ArrayList<Observer>();
29    }
30
31    public void setName(String name) {
32        this.name = name;
33        setDate();
34        notifyObservers();
35    }
36
37    public void setScore(int score) {
38        this.score = score;
39        setDate();
40        notifyObservers();
41    }
42
43    private void setDate() {
44        String format;
45        format = "yyyy-MM-dd HH:mm:ss";
46
47        SimpleDateFormat sdf;
48        sdf = new SimpleDateFormat(format);
49
50        this.lastEdited = sdf.format(new Date());
51    }
52
53    public String getName() {
54        return name;
55    }
56
57    public int getScore() {
58        return score;
59    }
60
61    public String getDate() {
62        return lastEdited;
63    }
64
65    public void registerObserver(Observer o) {
66        observers.add(o);
67    }
68
69    public void removeObserver(Observer o) {
70        observers.remove(o);
71    }
72
73    public void notifyObservers() {
74        for(Observer o : observers)
75            o.update(this.name, this.score, this.lastEdited);
76    }
77
78    public String toString() {
79        String formatted;
80        formatted = String.format("%-42s%d", name, score);
81
82        return formatted;
83    }
84 }

```