

```

1  package application.viewmodel;
2
3  import application.model.Team;
4  import application.viewmodel.EditorViewModel;
5  import application.model.Observer;
6
7  import java.util.ArrayList;
8  import javafx.event.ActionEvent;
9  import javafx.scene.input.MouseEvent;
10 import javafx.scene.control.ListView;
11 import javafx.fxml.FXML;
12
13 public class ScoreboardViewModel implements Observer {
14     @FXML private ListView myListView;
15     private ArrayList<Team> teams;
16
17     public void initialize() {
18         teams = new ArrayList<Team>();
19         teams.add(new Team("Highly Irresistable Lions", 45));
20         teams.add(new Team("Immovable Tigers", 75));
21         teams.add(new Team("Super Duper Bears", 100));
22         teams.add(new Team("Incomparable Otters", 30));
23         teams.add(new Team("Resplendent Ocelots", 8));
24
25         refreshList();
26         setObservers();
27     }
28
29     public void handleSelection(MouseEvent event) {
30         int selection = myListView.getSelectionModel().getSelectedIndex();
31
32         EditorFacade editorWindow = new EditorFacade("/view/Editor.fxml");
33
34         editorWindow.makeWindow();
35
36         EditorViewModel viewModel = editorWindow.getViewModel();
37         viewModel.setFields(teams.get(selection));
38         teams.get(selection).registerObserver(viewModel);
39
40         editorWindow.showWindow();
41     }
42
43     private void refreshList() {
44         String[] content = new String[teams.size()];
45
46         for(int i = 0; i < teams.size(); i++)
47             content[i] = teams.get(i).toString();
48
49         myListView.getItems().setAll(content);
50     }
51
52     private void setObservers() {
53         for(int i= 0; i < teams.size(); i++)
54             teams.get(i).registerObserver(this);
55     }
56
57     public void update(String name, int score, String date) {
58         refreshList();
59     }
60 }

```