

# web-sockets-homework

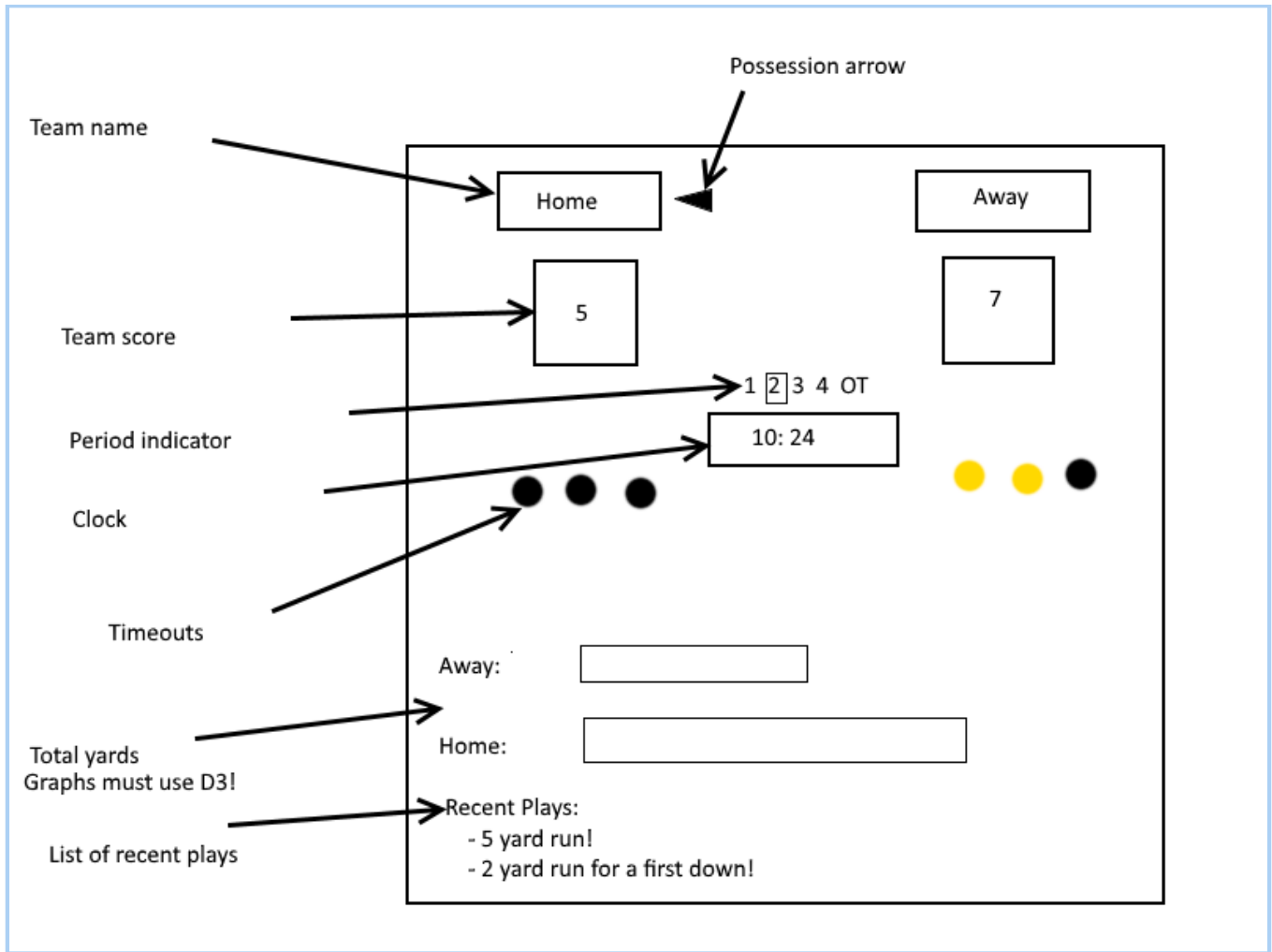
## Directions

For this homework, you are asked to use socket.io, and any other library of your choice, to make two web pages. The assignment is to create a 'simple' box score of a football game. The description of each page are as follows:

### **Display (display.html):**

This page will show the box score. The page should only be used for display. No interaction is needed with the user on this page.

**NOTE:** After an item on the page is displayed, a notification 'Notification API' (see class notes) should be used to alert the user (if they have allowed notifications). Notifications can be as simple as 'Score updated'.



**Controller (controller.html):**

This page will be used to control the display page. 'Messages' will be sent via sockets from the controller page to the display page.

Action	Fields	Submit
Possession	<input type="button" value="Team 1"/> <input type="button" value="Team 2"/>	
New Play	<input type="text"/>	<input type="button" value="Submit"/>

**Goal:** Working with JavaScript libraries. jQuery, sockets.io, D3, Notifications (see class notes). We're

looking for functionality, but, extra credit is given to make it look good (i.e. colors, symmetry, good organization and fit, etc.).

### Getting Started:

- Copy 'sample.html' file (see end of document) and create two documents (display.html and controller.html) **NOTE:** This file needs to be served from a 'localhost' web server. 'sample.html' has directions on how to connect and register your socket.
- No extra work is needed other than to begin your work.
- Server has been setup, so, any message passing will follow a certain format. In order to
- **NOTE: predefined message key is below. If your id is 'myid', then the socket message for team name is to be sent to 'myid-teams'.**

Action	Directions
Team name	<ul style="list-style-type: none"> <li>• message: id-teams</li> <li>• Must use event other than 'onclick': <a href="https://www.w3schools.com/js/js_events.asp">https://www.w3schools.com/js/js_events.asp</a></li> </ul>
Possession arrow	<ul style="list-style-type: none"> <li>• message: id-possession</li> </ul>
Team score	<ul style="list-style-type: none"> <li>• message: id-score</li> </ul>
Period Indicator	<ul style="list-style-type: none"> <li>• message: id-period</li> </ul>
clock	<ul style="list-style-type: none"> <li>• message: id-clock</li> </ul>
play/pause	<ul style="list-style-type: none"> <li>• message: id-play</li> </ul>
timeouts	<ul style="list-style-type: none"> <li>• message: id-timeouts</li> </ul>
total yards	<ul style="list-style-type: none"> <li>• message: id-yards</li> <li>• Use JavaScript 'D3' for the graphs.</li> </ul>
recent plays	<ul style="list-style-type: none"> <li>• message: id-plays</li> </ul>

**NOTE:** Each message passing function only takes 1 parameter.

### What to turn in:

- display.html : Contains your **box score**.
- controller.html : Contains your **controller interface**.
- 'readme' file with special instructions.
- Any other files you use.

### sample.html

```
1 <!DOCTYPE html>
```

```
2 <html lang="en">
3   <head>
4     <meta charset="utf-8">
5     <meta http-equiv="X-UA-Compatible" content="IE=edge">
6     <meta name="viewport" content="width=device-width, initial-scale=1">
7     <meta name="description" content="">
8     <meta name="author" content="">
9     <link rel="shortcut icon" href="../../assets/ico/favicon.ico">
10
11     <title>Starter Template for Bootstrap 3.1.1 Documentation - BootstrapD
ocs</title>
12
13     <!-- Bootstrap core CSS -->
14     <link rel="stylesheet" href="//maxcdn.bootstrapcdn.com/bootstrap/3.3.7
/css/bootstrap.min.css" integrity="sha384-BVYiISIFeK1dGmJRAkycuHAHRg320mUc
ww7on3RYdg4Va+PmSTsz/K68vbdEjh4u" crossorigin="anonymous">
15
16     <!-- Custom styles for this template -->
17     <!-- <link href="starter-template.css" rel="stylesheet"> -->
18
19     <!-- Just for debugging purposes. Don't actually copy this line! -->
20     <!--[if lt IE 9]><script src="../../assets/js/ie8-responsive-file-warn
ing.js"></script><![endif]-->
21
22     <!-- HTML5 shim and Respond.js IE8 support of HTML5 elements and media
queries -->
23     <!--[if lt IE 9]>
24       <script src="https://oss.maxcdn.com/libs/html5shiv/3.7.0/html5shiv.j
s"></script>
25       <script src="https://oss.maxcdn.com/libs/respond.js/1.4.2/respond.mi
n.js"></script>
26     <![endif]-->
27   </head>
28
```

```
29 <body>
30   <div class="container">
31     <h3>Receive stuff here...</h3>
32   </div><!-- /.container -->
33
34
35   <!-- Bootstrap core JavaScript
36   ===== -->
37   <!-- Placed at the end of the document so the pages load faster -->
38   <!-- <script src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.0/
jquery.min.js"></script> -->
39   <script src="//cdnjs.cloudflare.com/ajax/libs/jquery/1.12.4/jquery.min
.js"></script>
40   <script src="//maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.mi
n.js" integrity="sha384-Tc5IQib027qvyjSMfHj0MaLkfuWVxZxUPnCJA7l2mCWNIpG9mG
CD8wGNiCpD7Txa" crossorigin="anonymous"></script>
41
42   <!-- Include socket file from this domain. -->
43   <script src="http://socketio.minilabs.co/socket.io/socket.io.js"></scr
ipt>
44   <script>
45
46     $(function() {
47       // Create the socket on this domain!
48       var socket = io('http://socketio.minilabs.co');
49
50       // pick id that is unique. id must be the same for both pages.
51       var id = 'youruniqueidhere';
52
53       // Register your id.
54       socket.emit('register', id);
55     });
56   </script>
57 </body>
```

58 `</html>`