```html
1    <html>
2        <head>
3
4            <title>CodePlayer</title>
5            <script type="text/javascript"
                 src="https://ajax.googleapis.com/ajax/libs/jquery/3.2.1/jquery.min.js"></s
                 cript>
6            <script src="../jQueryUI/external/jquery/jquery.js"></script>
7            <script src="../jQueryUI/jquery-ui.js"></script>
8
9            <link rel="stylesheet" href="../jQueryUI/jquery-ui.css">
10
11           <style type="text/css">
12               body
13               {
14                   font-family:sans-serif;
15                   padding:0;
16                   margin:0;
17               }
18
19               #topBar
20               {
21                   background-color:#EEEEEE;
22                   width:100%;
23                   padding:5px;
24                   height:30px;
25               }
26
27               #logo
28               {
29                   float:left;
30                   font-weight:bold;
31                   font-size:120%;
32                   padding:3px 5px;
33               }
34
35               #btnContainer
36               {
37                   width:233px;
38                   margin: 0 auto;
39               }
40
41               .btnTop
42               {
43                   float:left;
44                   padding:6px;
45                   border:1px solid gray;
46                   border-right:none;
47                   font-size:90%;
48               }
49
50               #HTML
51               {
52                   border-top-left-radius:4px;
53                   border-bottom-left-radius:4px;
54               }
55
56               #Output
57               {
58                   border-right:1px solid gray;
59                   border-top-right-radius:4px;
60                   border-bottom-right-radius:4px;
61               }
62
63               .active
64               {
65                   background-color:E8F2FF;
66               }
67
68               .highlightedBtn
69               {
70                   background-color:gray;
```

```html
71              }
72
73              textarea
74              {
75                  width:50%;
76                  resize:none;
77                  border-top:none;
78                  border-color:grey;
79              }
80
81              .panel
82              {
83                  float:left;
84                  width:50%;
85                  border-left:none;
86              }
87
88              iframe
89              {
90                  border:none;
91              }
92
93              .hidden
94              {
95                      display:none;
96              }
97          </style>
98
99      </head>
100     <body>
101         <div id="topBar">
102             <div id="logo">
103                 CodePlayer
104             </div>
105             <div id="btnContainer">
106                 <div id="HTML" class="btnTop active">HTML</div>
107                 <div id="CSS" class="btnTop">CSS</div>
108                 <div id="JavaScript" class="btnTop">JavaScript</div>
109                 <div id="Output" class="btnTop active">Output</div>
110             </div>
111         </div>
112
113         <div id="bodyContainer">
114             <textarea id="HTMLPanel" class="panel"><p id="paragraph">Hello
                    World!</p></textarea>
115             <textarea id="CSSPanel" class="panel
                    hidden">p{color:green;position:relative;left:5px;}</textarea>
116             <textarea id="JavaScriptPanel" class="panel
                    hidden">document.getElementById("paragraph").innerHTML="Hello
                    Denis!";</textarea>
117             <iframe id="outputPanel" class="panel"></iframe>
118         </div>
119
120         <script type="text/javascript">
121             function updateOutput()
122             {
123                 $("iframe").contents().find("html").html(
124                     "<html><head><style type='text/css'>" +
125                     $("#CSSPanel").val() + "</style></head><body>" +
126                     $("#HTMLPanel").val() + "</body></html>"
127                 );
128                 /* eval($("#JavaScriptPanel").val()); evaluates javascript on the
                        initial page */
129
130                 //Evaluates Javascript within the iframe window
131
                        document.getElementById("outputPanel").contentWindow.eval($("#Java
                        ScriptPanel").val());
132
133             }
134
135             $(".btnTop").hover(
```

```
136                     function()
137                     {
138                         $(this).addClass("highlightedBtn");
139                     },
140                     function()
141                     {
142                         $(this).removeClass("highlightedBtn");
143                     }
144                 );
145
146             $(".btnTop").click(
147                 function()
148                 {
149                     $(this).toggleClass("active");
150                     $(this).removeClass("highlightedBtn");
151                     var panelID=$(this).attr("id")+"Panel";
152                     $("#"+panelID).toggleClass("hidden");
153                     var nActivePanels=4-$(".hidden").length;
154                     $(".panel").width(($(window).width()/nActivePanels)-4);
155                 }
156             );
157
158
159             $(".panel").height($(window).height()-$("#topBar").height()-15);
160             $(".panel").width(($(window).width()/2)-4);
161             updateOutput();
162             $("textarea").on("change keyup change",
163             function()
164             {
165                 updateOutput();
166             }
167             );
168
169         </script>
170
171     </body>
172 </html>
```