

Initial Interview Transcript.

Me:What's your overall needs for the product?

Scott: Well, I don't think our school is very good at letting students know when events are happening. The teachers think I should create a website to help me with this. I think it's a good idea but I don't really know how to code. Back to the question though I also think it would be good if we could encourage school spirit and the house system with the product.

Me: Is there any specific reasoning you think we should do a website as opposed to an app?

Scott: Actually, yes, we are a K-12 school which means that many of these kids don't have phones. I really want the product to be accessible to all students which I think a website would be better for.

Me : Are there any specific aspects of the house system you want me to emphasize?

Scott: The points system. All of our students have no way of knowing how many points their house has and I think overall it undermines the system.

Me:Any extra features you want the website to include?

Scott: I think it should include the school colors.

Me: Anything Else?

Scott: Not that I can think of right now but if I do I'll let you know.

Me: Okay thanks Scott!

Scott: No worries!

Client Acceptance Testing Transcript

Scott: OK, so I really like in here in your website that you've made the colors, you've used school appropriate colors and fonts. However, I do feel like you should add some links to the other Bish websites, such as like the school's Instagram page or Facebook page, et cetera. Although I do like your graphs that you've made showing the highest point totals for each house and you've used their appropriate colors. And yes, doing the exact number of price points really helps the House leaders have an appropriate top on what they what they need to achieve or what they can accomplish. The website itself, I would say it's pretty sparse, but I think it's what is there is pretty detailed and informative. So that's a good area. Yeah, I like the sections that it has, for example, house points, etc. I feel like there was help, like the home pages helped to create an easy way to navigate the website and find out different by the different areas that you could like adventure into. And so it helps parents or other members of staff easily navigate and look around the website to find what they're looking for.

Me: Um, yeah. Yeah.

```
<html>

    <head>
        <link type= "text/css" rel="stylesheet" href= "
style.css">

    </head>
<body>
<h3></h3>
    <!--This posts the school banner in the right hand
corner-->

    <ul>
    <h2>
    <center>
        <a style="text-decoration:none" href="index.php">
Home</a>
        <a style="text-decoration:none" href="Points.php">
Points</a>
        <a style="text-decoration:none" href="login.html">
Admin Login</a>
    <!-- /*this allows the user to click from page to
page -->
    </center>
    <h2>
    </ul>

    <center><h1>Sign In</h1> </center>

    <svg height="20" width="2000"><line x1="0" y1="0"
x2="10000" y2="0" style="stroke:rgb(0,0,0);stroke-width
:2" /></svg>

</body>

<center><div class="inputdivboxes">
    <body>
    <center><p class="inputheader"> Make a Post.</p>
    <fieldset>
```

```

        <form action= uploadpost.php method="get" >
        <p><label>Post Title: <input type="int" name="
postTitle" size="20" maxlength="55" /> </label></p>
        <textarea name="posttext" id="fileToUpload"
        style="height:100px;width:450px">Write your post here
        .</textarea>
<center><label>houseID: <select name="houseID"> <
option value="1">Air</option>
                <option value="2">Fire</option> <
option value="3">Earth</option> <option value="4">Water
</option></select></label></center> <value=<?php $_GET
['houseID']?> /></label></center>
<!--Allows the user to input a post into the database.
The get function automatically displays the houseID
that was retrieved on the login page-->
        <input type="Submit" value="Upload" name="submit">

</fieldset>
</form>
</div>

<center><div class="inputdivboxes">
<body>

<center><p class="inputheader"> Add House Points.</
p>
        <form method = "get" action = insertpoints.php>
        <fieldset>

                <p><center><label>HouseID: <input type="int"
name="houseID" size="20" maxlength="55" value=<?php
echo $_GET['houseID']?> /> </label></p>
                <p><center><label>Housepoints: <input type="int
" name="numberOfPoints" size="20" maxlength="55" /> </
label></p>
                <p><center><label>Week Number: <input type="int"
name="weekNumber" size="20" maxlength="55" /> </label
></p>
                </fieldset> <p align="center"><input type="
submit" name="submit" value="Submit the Points" /></p>
        </form>

```

```
</body>  
</div>  
<!-- Allows the user to input housepoints into the  
database-->
```

```
</body>
```

```
</html>
```

```
1
2 <html>
3 <head>
4     <link type= "text/css" rel="stylesheet" href= "
      style.css">
5
6
7 </head>
8 <body>
9     <h3></h3>
10     <!--This posts the school banner in the right
      hand corner-->
11
12     <ul>
13     <h2>
14     <center>
15     <a style="text-decoration:none" href="index.php">
      Home</a>
16     <a style="text-decoration:none" href="Points.php
      ">Points</a>
17     <a style="text-decoration:none" href="login.html
      ">Admin Login</a>
18     <!-- /*this allows the user to click from page to
      page -->
19     </center>
20     <h2>
21     </ul>
22
23
24
25     <center><h1>Sign In</h1> </center>
26
27     <svg height="20" width="2000"><line x1="0" y1="0"
      x2="10000" y2="0" style="stroke:rgb(0,0,0);stroke-
      width:2" /></svg>
28
29
30
31
32
33     <center><div class="login">
34     <body>
```

```
35         <form method = "get" action = "directhouse.  
php">  
36             <fieldset>  
37                 <div class= "loginbox">  
38                     <p><label>nickname: <input type="int"  
name="nickname" size="20" maxlength="50" /> </label  
></p>  
39                 </div>  
40                 <div class= "loginbox">  
41                     <p><center><label>house: <select name  
="house"> <option value="1">Air</option>  
42                     <option value="2">Fire</option> <  
option value="3">Earth</option> <option value="4">  
Water</option></select></label></center></p>  
43                 </div>  
44  
45             </fieldset>  
46             <p align="center"><input type="Submit"  
name="submit" value="Submit"/></p>  
47         </form>  
48     </body>  
49 </div>  
50     <!--Allows user to input the values for their  
cookies-->  
51 </body>  
52 </html>  
53  
54  
55  
56
```

```
1
2
3
4
5
6
7
8 <?php
9
10     //Contains the variables from the earlier GET
    function in the login form
11         DEFINE('DB_USER','root');
12         DEFINE('DB_PASSWORD','');
13         DEFINE('DB_HOST','localhost');
14         DEFINE('DB_NAME','housewebsites');
15
16         $nickname = $_REQUEST['nickname'];
17         $house = $_REQUEST['house'];
18
19         setcookie('nickname', $nickname, time() + (
20 86400 * 30), "/");
21         setcookie('house',$house, time() + (86400 *
22 30), "/");
23
24         header("location: index.php");
25
26         //connects database
27
28         /* if(isset($_COOKIE["nickname"]))
29         {
30             echo "Hi " . $_COOKIE["nickname"];
31         }
32         else
33         {
34             echo "Welcome Guest!";
35         }*/
36     ?>
```



```
1 <html>
2
3 <head>
4     <link type= "text/css" rel="stylesheet" href= "
    style.css">
5
6
7 </head>
8
9 <body>
10
11 <h3></h3>
12     <!--This posts the school banner in the right
    hand corner-->
13
14     <ul>
15         <h2>
16         <center>
17             <a style="text-decoration:none" href="index.php">
                Home</a>
18             <a style="text-decoration:none" href="Points.php
                ">Points</a>
19             <a style="text-decoration:none" href="login.html
                ">Admin Login</a>
20             <!-- /*this allows the user to click from page to
                page -->
21         </center>
22         <h2>
23     </ul>
24
25 <svg height="20" width="2000"><line x1="0" y1="0" x2
    ="10000" y2="0" style="stroke:rgb(0,0,0);stroke-width
    :2" /></svg>
26
27     <center><p> There is an error with the
    information you entered </p> </center>
28
29
30 </body>
```

```

1
2 <HTML>
3     <BODY>
4         <TITLE> JavaScript Tutorial </TITLE>
5
6         <?php
7             DEFINE('DB_USER','root');
8             DEFINE('DB_PASSWORD','');
9             DEFINE('DB_HOST','localhost');
10            DEFINE('DB_NAME','housewebsites');
11            $dbc =@mysqli_connect(DB_HOST, DB_USER,
12            DB_PASSWORD, DB_NAME) OR die('Could not connect');
13
14            /*database connection*/
15            $q = "SELECT SUM(numberOfPoints) AS
16            totalPoints,houseName FROM housePoints, house WHERE
17            house.houseID= housePoints.houseID GROUP BY house.
18            houseID ORDER BY house.houseID DESC";
19
20            $result = @mysqli_query($dbc,$q);
21            echo " <script>";
22            echo "function drawGraph()";
23            echo "{";
24
25            echo " var yValues = [";
26            while($row = mysqli_fetch_array($result,
27            MYSQLI_ASSOC))
28            {
29                echo $row['totalPoints'].",";
30            }
31            echo "];";
32            ?>
33            var houseColors = ["blue","green","red","
34            yellow"]
35            var canvas = document.getElementById(
36            "myCanvas");
37            var ctx = canvas.getContext("2d");
38
39            ctx.moveTo(10,10);
40            ctx.lineTo(10,390);

```

```

38
39         ctx.moveTo(10,390);
40         ctx.lineTo(390,390);
41
42         // sets color and set parameters for the
graph
43
44         var max=0;
45         for (counter=0; counter<4; counter++)
46         {
47             if (yValues[counter]> max)
48             {
49                 max= yValues[counter];
50             }
51         }
52
53
54
55     }
56
57     var scale = 380/max;
58
59     xpos = 10;
60
61
62     for(x = 0; x<=3; x++)
63     {
64         ypos = 390-(yValues[x]*scale);
65         ctx.fillStyle= houseColors[x];
66         ctx.fillRect(xpos,ypos,95,yValues
[x]*scale);
67         xpos=xpos+95;
68     }
69
70     // draws and fills the color blocks
71
72     ctx.stroke();
73 }
74 </script>
75
76
77
78 </HEAD>
79

```

```

80
81
82
83     <body onload="drawGraph()">
84 <h3></h3>
85     <!--This posts the school banner in the right
    hand corner-->
86
87     <ul>
88     <h2>
89     <center>
90     <a style="text-decoration:none" href="index.php"
    > Home</a>
91     <a style="text-decoration:none" href="Points.
    php">Points</a>
92     <a style="text-decoration:none" href="login.
    html">Admin Login</a>
93     <!-- /*this allows the user to click from page
    to page -->
94     </center>
95     <h2>
96     </ul>
97
98
99
100    <center><h1>House Graph</h1> </center>
101
102    <svg height="20" width="2000"><line x1="0" y1="0
    " x2="10000" y2="0" style="stroke:rgb(0,0,0);stroke-
    width:2" /></svg>
103
104 </body>
105
106
107
108    <style>
109
110        h3 img.resize {
111            width:400px;
112        }
113
114        h2{
115

```

```
116         font-size: 20px;
117         font-family:"Courier New";
118         color: #ffffff ;
119
120
121     }
122     a:visited{
123         color: #ffffff ;
124     }
125     section div, h2{
126         background: #44B7C8 ;
127         width:100%;
128         margin: 20px;
129     }
130
131     h1 {
132         font-family:"Courier New";
133
134     }
135 </style>
136
137
138
139
140
141         <canvas id="myCanvas" width ="400" height
142         = "400" style="border:1px solid #000000;"></canvas>
143     </BODY>
144 </HTML>
145
146
```

```

1 <html>
2
3 <head>
4     <link type= "text/css" rel="stylesheet" href= "
      style.css">
5
6
7 </head>
8
9 <body>
10
11 <h3></h3>
12     <!--This posts the school banner in the right
        hand corner-->
13
14     <ul>
15     <h2>
16     <center>
17     <a style="text-decoration:none" href="index.php">
        Home</a>
18     <a style="text-decoration:none" href="Points.php
        ">Points</a>
19     <a style="text-decoration:none" href="login.html
        ">Admin Login</a>
20     <!-- /*this allows the user to click from page to
        page -->
21     </center>
22     <h2>
23     </ul>
24
25
26
27     <center><h1>House Anounncements</h1> </center>
28
29     <svg height="20" width="2000"><line x1="0" y1="0
        " x2="10000" y2="0" style="stroke:rgb(0,0,0);stroke-
        width:2" /></svg>
30
31     <BR><a style="color:black" href="directhouse.
        html">not you?</a>
32
33 <?php
34

```

```

35      $nickname = $_COOKIE['nickname'];
36      $house = $_COOKIE['house'];
37      // $houseID = ($_REQUEST['houseID']);
38      // $posttext = ($_REQUEST['posttext']);
39      // $postTitle = ($_REQUEST['postTitle']);
40      DEFINE('DB_USER','root');
41      DEFINE('DB_PASSWORD','');
42      DEFINE('DB_HOST','localhost');
43      DEFINE('DB_NAME','housewebsites');
44      $dbc =@mysqli_connect(DB_HOST, DB_USER,
DB_PASSWORD, DB_NAME) OR die('Could not connect');
45      //Database Connection
46
47      $q= "SELECT * FROM postings WHERE houseID
= '" .$_COOKIE['house']."' ORDER BY dateCreated DESC";
48
49      // Sql statement to select from the
database postings and ordering the posts by date in
descending order
50
51      $result = @mysqli_query($dbc,$q);
52      //mysqli requests the information
53
54
55      while($row = mysqli_fetch_array($result,
MYSQLI_ASSOC))
56      {?>
57
58
59          <center><div class = "post">
60              <center><h4><?php echo $row['
postTitle'];?></h4></center>
61              <center><p><?php echo $row['posttext
'];?></p></center>
62
63              <sub><?php echo $row['dateCreated
'];?></sub>
64              </div>
65              </center>
66          <?php
67          }
68      ?>
69
70

```

```
71  
72  
73 </body>  
74  
75  
76 </html>
```



```
1 <?php
2 if(isset($_COOKIE["nickname"]))
3     {
4         header("location: home.php");
5     }
6 else
7     {
8         header("location: directhouse.html");
9     }
10 ?>
```

```
1 <?php
2
3     $houseID = $_GET['houseID'];
4     $weekNumber = $_GET['weekNumber'];
5     $numberOfPoints = $_GET['numberOfPoints'];
6     DEFINE('DB_USER','root');
7     DEFINE('DB_PASSWORD','');
8     DEFINE('DB_HOST','localhost');
9     DEFINE('DB_NAME','housewebsites');
10    /* connects to the database*/
11
12    $dbc =@mysqli_connect(DB_HOST, DB_USER,
13    DB_PASSWORD, DB_NAME) OR die('Could not connect');
14    $q="INSERT INTO `housepoints`(`houseID`, `
15    weekNumber`, `numberOfPoints`) VALUES ('$houseID', '
16    $weekNumber', '$numberOfPoints')";
17
18    $r = @mysqli_query($dbc,$q);
19
20    if ($r)
21    {
22        echo "Points Uploaded.";
23    }
24
25    else
26    {
27        echo "Post error";
28    }
29    /*An error check the determines whether or not
30    the points have been uploaded */
31 ?>
32 <html>
33 <a style="text-decoration:none" href="Points.php">Go
34     back?</a>
35 </html>
```

```

1 <html>
2
3 <head>
4     <link type= "text/css" rel="stylesheet" href= "
    style.css">
5
6
7 </head>
8 <body>
9     <h3></h3>
10     <!--This posts the school banner in the right
        hand corner-->
11
12     <ul>
13     <h2>
14     <center>
15     <a style="text-decoration:none" href="index.php">
        Home</a>
16     <a style="text-decoration:none" href="Points.php
        ">Points</a>
17     <a style="text-decoration:none" href="login.html
        ">Admin Login</a>
18     <!-- /*this allows the user to click from page to
        page -->
19     </center>
20     <h2>
21     </ul>
22
23
24
25     <center><h1>Admin Login</h1> </center>
26
27     <svg height="20" width="2000"><line x1="0" y1="0"
        x2="10000" y2="0" style="stroke:rgb(0,0,0);stroke-
        width:2" /></svg>
28
29
30
31
32     <center><div class="login">
33
34     <form method = post action = login.php>

```

```
35     <fieldset>
36     <div class= "loginbox">
37         <p><label>UserID: <input type="int" name="
    userID" size="20" maxlength="2" /> </label></p>
38     </div>
39     <div class= "loginbox">
40         <p><label>Password:<input type="varchar" name
    ="password" size="20" maxlength="100" /></label></p>
41     </div>
42
43     </fieldset> <p align="center"><input type="
    Submit" name="submit" value="Submit"/></p>
44     </form>
45
46     </div>
47     <!--makes the input boxes for the login-->
48     </body>
49 </html>
```

```

1
2
3
4 <?php
5
6     $userID = $_REQUEST['userID'];
7     $password = $_REQUEST['password'];
8     //Contains the variables from the earlier GET
function in the login form
9         DEFINE('DB_USER','root');
10        DEFINE('DB_PASSWORD','');
11        DEFINE('DB_HOST','localhost');
12        DEFINE('DB_NAME','housewebsites');
13
14        $dbc =@mysqli_connect(DB_HOST, DB_USER,
15    DB_PASSWORD, DB_NAME) OR die('Could not connect');
16        echo $userID." ";
17        //connects database
18
19        $q = "SELECT * FROM login WHERE userID='".
20    $userID."'";
21        //selects the data from login for the
specific userr that has logged in
22
23        $table = @mysqli_query($dbc,$q);
24        $row= @mysqli_fetch_array($table,
25    MYSQLI_ASSOC);
26
27        if ($row['password'] == NULL)
28        {
29            echo 'User ID and Password are Required';
30        }
31        // Ensures the user must enter a value
32
33        elseif ($row['password'] == $password)
34
35        // Validates password in the database is equal to
the value entered
36        {
37
38            header("location: admin.php?houseID=".
39    $row['houseID']);

```

```
38          //if the password is valid the user is taken
    to the admin page
39
40      }
41
42      else
43      {
44          header("location: errormessage.html");
45      }
```

```

1  <html>
2
3
4
5
6
7
8      <body>
9      <link type= "text/css" rel="stylesheet" href= "
stylepoints.css">
10     <div>
11         <h3></h3>
12         <!--This posts the school banner in the right
hand corner-->
13
14         <ul>
15             <h2>
16             <center>
17                 <a style="text-decoration:none" href="index.php">
Home</a>
18                 <a style="text-decoration:none" href="Points.php
">Points</a>
19                 <a style="text-decoration:none" href="login.html
">Admin Login</a>
20             <!-- /*this allows the user to click from page to
page -->
21             </center>
22             <h2>
23             </ul>
24
25
26
27         <center><h1>House Points</h1> </center>
28
29         <svg height="20" width="2000"><line x1="0" y1="0
" x2="10000" y2="0" style="stroke:rgb(0,0,0);stroke-
width:2" /></svg>
30 <?php//Draws a line under the header?>
31
32 </div>
33 <!--<p>View</p>-->
34 <div>

```

```

35
36         <br/>
37         <a href="graphs1.php">View Graph</a>
38         <br/>
39 </div>
40
41 <br/>
42
43 <div class="colorboxes blue" id= water></div>
44
45 <div class="colorboxes yellow" id= air></div>
46 <div class="colorboxes green" id= earth></div>
47 <div class="colorboxes red" id= fire></div>
48
49 <?php//gives the different colored div boxes?>
50
51
52
53 <?php
54     DEFINE('DB_USER','root');
55     DEFINE('DB_PASSWORD','');
56     DEFINE('DB_HOST','localhost');
57     DEFINE('DB_NAME','housewebsites');
58     $dbc =@mysqli_connect(DB_HOST, DB_USER,
DB_PASSWORD, DB_NAME) OR die('Could not connect');
59     {
60         /*database connection*/
61         $q = "SELECT SUM(numberOfPoints) AS
totalPoints,houseName FROM housePoints, house WHERE
house.houseID= housePoints.houseID GROUP BY house.
houseID ORDER BY house.houseID DESC";
62         /*sql Statment that sums the total number
of points. Retrieves the info from the database
Housepoints. Sorts the points by house ID in
descending order*/
63         $table = @mysqli_query($dbc,$q);
64
65
66         echo "<table border=1>";
67         if($table)
68         {
69             /* while there is a connection to
the database*/
70             echo '<script>';

```



```

71             echo 'var housePoints = [';
72             while($row = mysqli_fetch_array(
73                 $table, MYSQLI_ASSOC))
74             {
75                 echo $row ['totalPoints'].",";
76             }
77
78             echo '];document.getElementById
79             ("water").innerHTML="<center><h3> Water</h3><center
80             ><h5>" + housePoints[0] + "</h5>";';
81             echo 'document.getElementById("
82             earth").innerHTML="<center><h3> Earth</h3><center><
83             h5>" + housePoints[1] + "</h5>";';
84             echo 'document.getElementById("
85             fire").innerHTML="<center><h3> Fire</h3><center><h5
86             >" + housePoints[2] + "</h5>";';
87             echo 'document.getElementById("
88             air").innerHTML="<center><h3> Air</h3><center><h5
89             >"+ housePoints[3] + "</h5>";';
90             echo '</script>';
91         }
92     }
93
94     /*the javascript that takes the id from the div
95     boxes and places html inside the statment to output
96     the housepoints and the Title */
97
98
99
100 ?>
101 </body>
102
103 </html>

```

```
1
2     h1 {
3         font-family:"Courier New";
4
5     }
6     /*Changes the Title font*/
7
8
9     h2{
10
11         font-size: 20px;
12         font-family:"Courier New";
13         color: #ffffff ;
14     }
15
16     a:visited{
17         color: #ffffff ;
18     }
19     /*stops the visted pages from being purple*/
20
21     h3 img.resize {
22         width:400px;
23     }
24     /*resizes the banner image*/ -->
25
26     img.resizefire {
27         width:150px;
28     }
29
30     <!--h3{
31
32         font-size: 20px;
33         font-family:"Courier New";
34
35
36
37     }-->
38
39     h4
40     {
41         font-size: 30px;
42         font-family:"Courier New";
43     }
44     /*affects the title of the posts? */
```

```
45
46     section div, h2{
47         background: #44B7C8 ;
48         width:100%;
49         margin: 20px;
50     }
51     /*The blue color box around the links*/
52
53     <!--p{
54
55
56         font-family:"Courier New";
57
58
59     }-->
60
61     h5{
62
63         font-size: 60px;
64         font-family:"Courier New";
65         font-weight: normal;
66
67
68
69     }
70
71     .post{
72         float: center;
73         width: 700px;
74         margin: 10px;
75         background-color: #A5DCE5;
76         border: 1px solid rgba(0, 0, 0, .2);
77
78     }
79     /*Affects the individual post box's position and color
80     ? */
81
82     .colorboxes {
83     float: left;
84     width: 600px;
85     height: 200px;
86     margin: 5px;
87     border: 1px solid rgba(0, 0, 0, .2);
```

```
88 }
89
90
91
92 .blue {
93     background: #6687DB;
94     color: #ffffff ;
95 }
96
97 .green{
98     background: #7BC870;
99     color: #ffffff ;
100 }
101
102 .yellow {
103     background: #F9FC78;
104
105
106 }
107 .red {
108     background: #D75454 ;
109     color: #ffffff ;
110
111 }
112
113
114
115     .inputheader{
116         font-family:"Courier New";
117         font-size: 30px;
118     }
119
120
121     .inputdivboxes
122     {
123         float: center;
124         width: 700px;
125         margin: 5px;
126
127         background: #A5DCE5 ;
128     }
129
130     section div, .login
131     {
```

```
132         float: center;
133         width: 700px;
134         margin: 10px;
135         background-color: #A5DCE5;
136         border: 1px solid rgba(0, 0, 0, .2);
137
138     }
139     section div, .loginbox
140     {
141         float: center;
142         margin: 3px;
143         background-color: #A5DCE5;
144         border: 1px solid rgba(0, 0, 0, .2);
145     }
146
```

```

1  <?php
2
3      $houseID = $_GET['houseID'];
4      $posttext = $_GET['posttext'];
5      $postTitle = $_GET['postTitle'];
6          DEFINE('DB_USER','root');
7          DEFINE('DB_PASSWORD','');
8          DEFINE('DB_HOST','localhost');
9          DEFINE('DB_NAME','housewebsites');
10         /* connects to the database*/
11
12
13         $dbc=@mysqli_connect(DB_HOST, DB_USER,
14 DB_PASSWORD, DB_NAME) OR die('Could not connect');
15         $q="INSERT INTO postings( houseID, posttext,
16 postTitle) VALUES ('$houseID','$posttext','$postTitle
17 ')";
18
19         $r = @mysqli_query($dbc,$q);
20
21         if ($r)
22         {
23             echo "Post was Successful.";
24         }
25
26         else
27         {
28             echo "Post error";
29         }
30         /*An error check the determines whether or not
31 the post has been uploaded */
32 ?>
33 <html>
34 <a style="text-decoration:none" href="index.php">
35 view post?</a>
36 <!--allows the user to view the points that were posted
37 -->
38 </html>

```