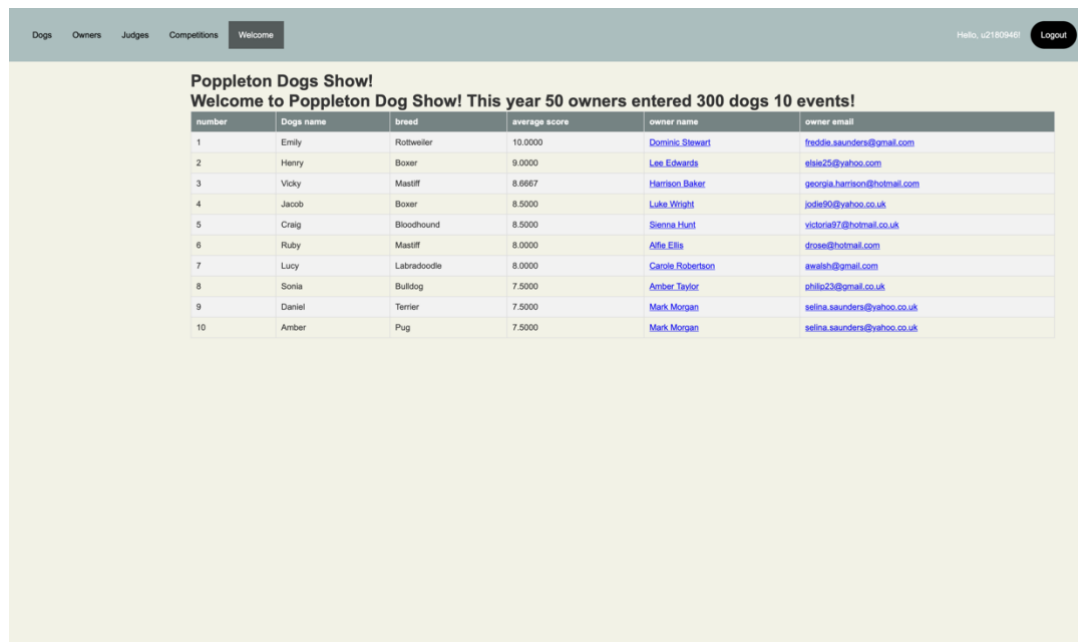


Relational Database and Web Integration

Assignment 2

23/12/2022

Mohamad Subhi Taha (U2180946)



number	Dogs name	breed	average score	owner name	owner email
1	Emily	Rotweiler	10.0000	Dominic Stewart	freddie.saunders@gmail.com
2	Henry	Boxer	9.0000	Lee Edwards	etins25@yahoo.com
3	Vicky	Mastiff	8.6667	Harrison Baker	georgia.harrison@hotmail.com
4	Jacob	Boxer	8.5000	Luke Wright	jodie90@yahoo.co.uk
5	Craig	Bloodhound	8.5000	Sienna Hunt	victoria27@hotmail.co.uk
6	Ruby	Mastiff	8.0000	Afife Ellis	drosen@hotmail.com
7	Lucy	Labradoodle	8.0000	Carole Robertson	awash@gmail.com
8	Sonia	Bulldog	7.5000	Amber Taylor	philic23@gmail.co.uk
9	Daniel	Terrier	7.5000	Mark Morgan	selma.saunders@yahoo.co.uk
10	Amber	Pug	7.5000	Mark Morgan	selma.saunders@yahoo.co.uk

- I created a welcome.php for me to create the welcome page and required things in the assignment. I first had to add a query to calculate all the participating owners' dogs and number of competitions. This had to be dynamic since participants numbers can change.
- Then I created a table with queries to get the average score of dogs participating in more than 1 show. Finally, I added the required info next to each dog.
- Finally, I displayed the dog's breed, name, and score in the table.
- Each dog had his owner's name and email beside him

Owners info

- names: Dominic Stewart
 - email: freddie.saunders@gmail.com
 - phone: +44(0)4379 865138
 - address: 937 Gray Underpass Allenberg DD3 8ES
- This is the owner profile or what I called “ownerprof”. And this is responsible for showing all the details of the owner.
 - This is done by making the name of the owner in the welcome page a hyperlink or clickable which takes you to the ownerprof page.
 - The details shown are the owner’s name, email, phone, and address.

Dogs Owners Judges Competitions Welcome				
Hello, u2180948 Logout				
View dogs	id	name	breed_id	owner_id
Add dogs	1	Kieran	1	12
Update dogs	2	Alexa	8	36
Remove dogs	3	Leah	4	2
	4	Sonia	1	15
	5	Darren	9	27
	6	Jack	18	42
	7	Jonathan	4	6
	8	Cameron	20	17
	9	Millie	23	39
	10	Natalie	21	41
	11	Anthony	17	4
	12	Emily	21	1
	13	Cameron	22	49
	14	Emily	6	35
	15	Aiden	11	10
	16	Eva	21	32
	17	Isla	13	35
	18	Anthony	23	26
	19	Callum	4	17
	20	Isla	6	9
	21	Harvey	16	39
	22	Aaron	1	49
	23	Henry	18	7
	24	Ruby	4	44
	25	Rosie	23	7
	26	Matilda	9	24
	27	Rowena	18	24

- Then in each of the other pages (dogs, owners, judges, and competitions) there are 4 options (view, add, update, remove) the view is to make it possible for the user to have an overview. The add update and remove are just for adding removing or updating the show’s participants.

- Options

username

u2180946

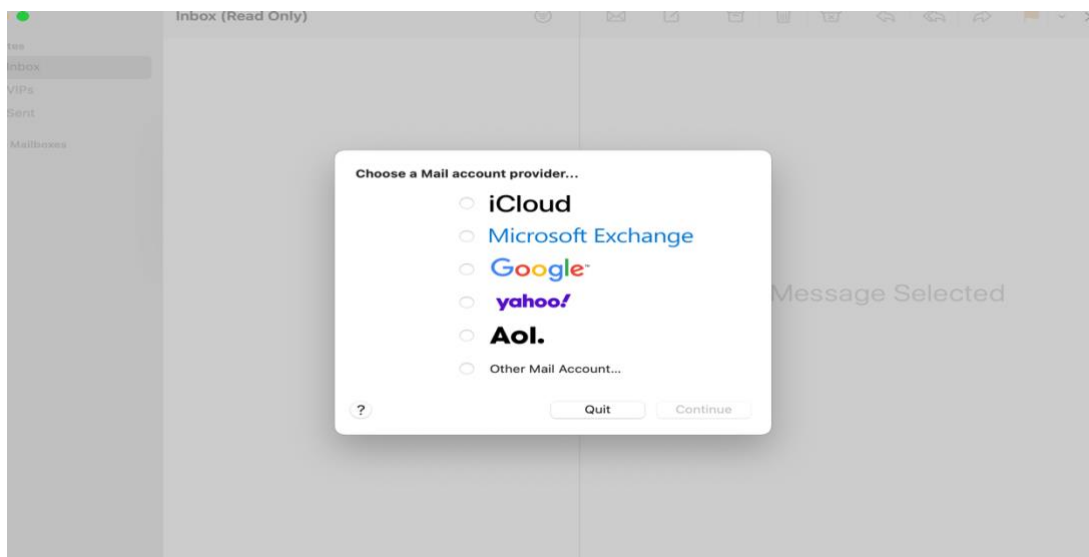
password

MT25jun02mt

- I used Selene to integrate my database with the web. I created an “ea_Admin” table in my database which has a username and password as their column and the actual username and password in the rows. Then this is the first thing that will be accessed when opening the website to protect it.

```
1 <?php
2 // Login details (please adjust according to your details)
3 $servername = "localhost"; // "selene.hud.ac.uk";
4 $username = "u2180946"; // "U1234567"
5 $password = "MT25jun02mt"; // By default, no password for XAMPP. Alternatively,
6 // password for Selene (as provided by IT)
7 $dbname = "u2180946"; // "U1234567"
8
9 // Create connection
10 $conn = new mysqli($servername, $username, $password, $dbname);
11
12 // Check connection
13 if ($conn->connect_error) {
14     die("Connection failed: " . $conn->connect_error);
15 }
16 ?>
17
```

- Finally, the connection.php was created to reserve and hide the login initials from the actual styling and building of the website.



- Also, I added a query as required to open the default mail app when clicking on the email of the owner.

- This is the welcome.php code with comments over each query explaining (I couldn't change the font to other than this as it causes too much errors and it won't be readable)

```
<?php
//configuration file added
require_once('connection.php');

//to get number of owners
$query1 = "SELECT id FROM owners";
$output = $conn->query($query1);
$owner = $output->num_rows;

//to get number of dogs
$query2 = "SELECT id FROM dogs";
$output1 = $conn->query($query2);
$dogs = $output1->num_rows;

//to get number of events
$query3 = "SELECT * FROM events";
$output2 = $conn->query($query3);
$events = $output2->num_rows;

//to show the headline with the numbers
echo "<h1> Poppleton Dogs Show! </h1>";
echo "<h1> Welcome to Poppleton Dog Show! This year $owner owners entered $dogs dogs $events events!</h1>";

//table
echo "<table border=2>";
echo "<tr>";
echo "<th>number</th>";
echo "<th>Dogs name</th>";
echo "<th>breed</th>";
echo "<th>average score</th>";
echo "<th>owner name</th>";
echo "<th>owner email</th>";
echo "</tr>";
```

```

//to get the top 10 dogs with each dog participating in more than one
$query4 = "SELECT dog_id, AVG(score) FROM entries GROUP BY dog_id HAVING COUNT(competition_id) > 1
ORDER BY AVG(score) DESC LIMIT 10";
$result = mysqli_query($conn, $query4);
//$output3 = $conn->query($query4);

//start counting for the columns
$number = 1;

//loop through the results --> output in table (rows)
while ($row = mysqli_fetch_assoc($result)) {
    $dog = $row["dog_id"];

    //to get info for the dog
    $query5 = "SELECT * FROM dogs WHERE id=$dog";
    $output4 = mysqli_fetch_assoc($conn->query($query5));

    //to get info for the breed
    $breed = $output4["breed_id"];
    $query6 = "SELECT * FROM breeds WHERE id=$breed";
    $output5 = mysqli_fetch_assoc($conn->query($query6));

    //to get info for the owner
    $owners = $output4["owner_id"];
    $query7 = "SELECT * FROM owners WHERE id=$owners";
    $output6 = mysqli_fetch_assoc($conn->query($query7));

    //table output
    echo "<tr>";
    echo "<td> $number </td>";
    echo "<td>" . $output4['name'] . "</td>";
    echo "<td>" . $output5['name'] . "</td>";
    echo "<td>" . $row['AVG(score)'] . "</td>";
    echo "<td><a href='ownerprof.php?name=" . $output6['name'] . ">" . $output6['name'] . "</a></td>";
    echo " <td><a href=mailto:" . $output6['email'] . ">" . $output6['email'] . "</a></td>";
    echo "</tr>";

    //increase column accordingly
    $number++;
}

```

```
//table ended  
echo "</table>";
```

- The code first includes a configuration file and establishes a connection to the database. Then, it counts the number of owners, dogs, and events in the database and displays this information in a heading.
- Next, the code creates an HTML table with headings for each column. It then runs a query to get the top 10 dogs based on their average score in multiple events and stores the result in the **\$result** variable. Yet the dogs should participate in more than one event.
- The code then loops through the rows in the **\$result** variable and retrieves additional information about each dog from the **dogs** table, the **breeds** table, and the **owners** table. This information is displayed in the corresponding columns of the HTML table. Finally, the code closes the table and the PHP script.