

# Submission Worksheet

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<https://learn.ethereallab.app/assignment/IT202-008-S2024/it202-api-project-milestone-3-2024/grade/ak2774>

## IT202-008-S2024 - [IT202] API Project Milestone 3 2024

### Submissions:

Submission Selection

1 Submission [active] 4/29/2024 11:03:03 AM

### Instructions

[^ COLLAPSE ^](#)

1. Implement the Milestone 3 features from the project's proposal document: <https://docs.google.com/document/d/1XE96a8DQ52Vp49XACBDTNCq0xYDt3kF29cO88E>
2. Make sure you add your ucid/date as code comments where code changes are done
3. All code changes should reach the Milestone3 branch
4. Create a pull request from Milestone3 to dev and keep it open until you get the output PDF from this assignment.
5. Gather the evidence of feature completion based on the below tasks.
6. Once finished, get the output PDF and copy/move it to your repository folder on your local machine.
7. Run the necessary git add, commit, and push steps to move it to GitHub
8. Complete the pull request that was opened earlier
9. Create and merge a pull request from dev to prod
10. Upload the same output PDF to Canvas

**Branch name:** Milestone3

**Tasks:** 26 Points: 10.00

 API (1 pt.)

[^ COLLAPSE ^](#)

 Task #1 - Points: 1

**Text:** Data Related to Users

**Checklist**

\*The checkboxes are for your own tracking

#	Points	Details
<input type="checkbox"/> #1	1	What's the concept/association?
<input type="checkbox"/> #2	1	What sort of relationship is it (one to many, many to one, many to many, etc)
<input type="checkbox"/> #3	1	Note any other considerations

Response:

The concept that I am doing is a favorites page. This can be a many to many relationship because many users can favorite many drivers.

### Task #2 - Points: 1

Text: Updating Entities

#### Checklist

\*The checkboxes are for your own tracking

#	Points	Details
<input type="checkbox"/> #1	1	When an update occurs either manually or from the API how does it affect associated data?
<input type="checkbox"/> #2	1	Do users see the old data, new data, does data need to be reassigned, etc?

Response:

It changes the data by creating a new record and removing the old one and the user sees the new data. The new data does need to be reassigned.

### Handle Data Association (1 pt.)

[^COLLAPSE ^](#)

### Task #1 - Points: 1

Text: Screenshots of the code

#### Checklist

\*The checkboxes are for your own tracking

#	Points	Details
<input type="checkbox"/> #1	1	Option 1: Related pages will have a button to do association (like favorites or similar), Option 2: a separate page will be used to associate entities to a user by some other user (like assignment of entities)
<input type="checkbox"/> #2	1	Include ucid/date comments for each code screenshot
<input type="checkbox"/> #3	1	Clearly caption screenshots

Task Screenshots:

Gallery Style: Large View

Small

Medium

Large



gn\_drivers.php remove\_driver.php remove\_all.php driver\_associations.php detail\_driver.php driver\_card.php

public\_html > Project > api > detail\_driver.php > ...

```

1  <?php
2
3  require(__DIR__ . "/../../../../lib/functions.php");
4  session_start();
5  if(isset($_GET["driver_id"])) && is_logged_in(){
6      $db=getDB();
7      $query= "INSERT INTO `UserDrivers` (user_id, driver_id) VALUES(:user_id, :driver_id)";
8      try{
9          $stmt=$db->prepare($query);
10         $stmt->execute([":user_id"=>get_user_id(), ":driver_id"=>$_GET["driver_id"]]);
11         flash("Driver added to your list", "success"); //ak2774, 4/29/24 You, 5 days ago * Uncommitted chan
12     } <- #8-12 try
13     catch(PDOException $e){
14         if($e->errorInfo[1] === 1062){
15             flash("Driver already added to your list", "danger");
16         }
17         else{
18             flash("Unhandled error occurred", "danger");
19         }
20         error_log("Error adding driver: " . var_export($e, true));
21     } <- #13-21 catch(PDOException $e)
22 } <- #5-22 if(isset($_GET["driver_id"])) && is_logged_in()
23
24 redirect("my_drivers.php");

```

### Screenshot of detail\_drivers page which adds the favorite driver to the UserDrivers table

#### Checklist Items (0)

39 <div class="card-body">
23 <p class="card-text">Country: <?php safer\_echo(\$driver["country"]);?></p>
24 <p class="card-text">GP's Entered: <?php safer\_echo(\$driver["grands\_prix\_entered"]);?></p>
25 <p class="card-text">World Championships: <?php safer\_echo(\$driver["world\_championships"]);?></p>
26 <p class="card-text">Wins: <?php safer\_echo(\$driver["highest\_race\_finish"]);?></p>
27 <p class="card-text">Podiums: <?php safer\_echo(\$driver["podiums"]);?></p>
28 <p class="card-text">Career Points: <?php safer\_echo(\$driver["career\_points"]);?></p>
29 <?php if(isset(\$driver["total\_users"]) && \$driver["total\_users"] > 0) : ?>
30 <p class="card-text"># of Associations: <?php safer\_echo(\$driver["total\_users"]);?></p>
31 <?php endif; ?>
32 <?php if(!isset(\$driver["user\_id"])) : ?>
33 <a class="btn btn-secondary" href="<?php echo get\_url('api/detail\_driver.php?driver\_id=' . \$driver["id"]); ?>" class="card-link">Add Driver</a>
34 <?php endif; //ak2774, 4/29/24 ?>
35 <?php if(isset(\$driver["user\_id"])) : ?>
36 <?php if(has\_role("Admin") && \$remove="true") : ?>
37 <a class="btn btn-danger" href="<?php echo get\_url('remove\_driver.php?user\_id=' . \$driver["user\_id"] . '&driver\_id=' . \$driver["id"]); ?>" class="card-link">Remove Driver</a>
38 <?php endif; ?>
39 <?php endif; ?>
40 <a class="btn btn-secondary" href="<?php echo get\_url('driver.php?id=' . \$driver["id"]); ?>" class="card-link">View Driver</a>
41
42 </div>
</div>

### Screenshot of add driver button on card function

#### Checklist Items (0)

```

assign_drivers.php remove_driver.php remove_all.php driver_associations.php detail_driver.php driver_card.php drivers.php available_drivers.php

public_html > Project > drivers.php > div.container-fluid > div.row.w-100.row-cols-auto.row-cols-sm-1.row-cols-md-2.row-cols-lg-3.row-cols-xl-4.row-cols-xxl-5.g-4 > div.col > div.card > div.card-body
235  is="container-fluid">
251    class="row w-100 row-cols-auto row-cols-sm-1 row-cols-md-2 row-cols-lg-3 row-cols-xl-4 row-cols-xxl-5 g-4">
253      <div class="col">
254        <div class="card" style="width: 18rem;">
255          <div class="card-body">
256            <h5 class="card-title"><?php echo ($driver["name"]); ?></h5>
257            <p class="card-text">Driver Number: <?php safer_echo($driver["number"]); ?></p>
258            <p class="card-text">Birthdate: <?php safer_echo($driver["birthdate"]); ?></p>
259            <p class="card-text">Country: <?php safer_echo($driver["country"]); ?></p>
260            <p class="card-text">GP's Entered: <?php safer_echo($driver["grands_prix_entered"]); ?></p>
261            <p class="card-text">World Championships: <?php safer_echo($driver["world_championships"]); ?></p>
262            <p class="card-text">Wins: <?php safer_echo($driver["highest_race_finish"]); ?></p>
263            <p class="card-text">Podiums: <?php safer_echo($driver["podiums"]); ?></p>
264            <p class="card-text">Career Points: <?php safer_echo($driver["career_points"]); ?></p>
265            <a class="btn btn-secondary" href=<?php echo get_url('api/detail_driver.php?id=' . $driver["id"]); ?>" class="card-link">Add Driver</a>
266            <a class="btn btn-secondary" href=<?php echo get_url('driver.php?id=' . $driver["id"]); ?>" class="card-link">View Driver</a>
267            <?php if (isset($driver["user_id"])) : ?>
268              <?php if (has_role("Admin") && $remove = "true") : ?>
269                <a class="btn btn-danger" href=<?php echo get_url('remove_driver.php?user_id=' . $driver["user_id"] . '&driver_id=' . $driver["id"]); ?>" class="card-link">Delete</a>
270              <?php endif; //ak2774, 4/29/24?>
271            <?php endif; ?>
272          </div>
273        </div>
274      </div>
275    </div>
276  </div>
277
```

### Screenshot of add driver button on drivers page

#### Checklist Items (0)

#### Task #2 - Points: 1

**Text:** Screenshot of the association table(s)

#### Checklist

\*The checkboxes are for your own tracking

#	Points	Details
<input type="checkbox"/> #1	1	Show the table(s) you made to handle the associations
<input type="checkbox"/> #2	1	Should have some example data
<input type="checkbox"/> #3	1	Clearly caption screenshots

#### Task Screenshots:

#### Gallery Style: Large View

Small      Medium      Large

The screenshot shows the MySQL Workbench interface. On the left, the database schema is visible with tables like Drivers, Roles, UserDrivers, UserRoles, Users, Views, Procedures, Functions, and information\_schema. The UserDrivers table is selected and shown in the main pane. The table has columns: id (int), user\_id (int), driver\_id (int), is\_active (tinyint(1)), created (timestamp), and modified (timestamp). Two rows of data are present: row 1 with id 162, user\_id 1, driver\_id 20, is\_active 0, created 2024-04-29 16:43:30, and modified 2024-04-29 16:43:50; and row 2 with id 163, user\_id 7, driver\_id 20, is\_active 1, created 2024-04-29 16:43:30, and modified 2024-04-29 16:43:30.

Screenshot of UserDrivers table

### Checklist Items (0)

#### Task #3 - Points: 1

**Text:** Explain solution

### Checklist

\*The checkboxes are for your own tracking

#	Points	Details
<input type="checkbox"/> #1	1	Mention which option your application handles regarding association
<input type="checkbox"/> #2	1	Describe each column/association table

### Response:

For my association, I made a separate page to handle the favoriting part and inserting into the table. On pages where there is a favorites option, there is a button that when it is clicked, it is added to the UserDrivers table through the query on the detail\_drivers.php page. The first column on the table is the id, which is the entry number, the second column is the user id, which is the id# of the user who adds the driver, the third column is the driver id, which is the id# of the driver from the api or from when it is created, the fourth column is is\_active which is to see whether the relationship is active or not and then there is created and modified which shows when it was created and when it was last modified.

#### Task #4 - Points: 1

**Text:** Add related links

### Checklist

\*The checkboxes are for your own tracking

#	Points	Details
<input type="checkbox"/> #1	1	Include the heroku prod link for the page that creates the association
<input type="checkbox"/> #2	1	Add the pull request link for the branch related to this feature Note: the link should end

**URL #1**<https://ak2774-prod-76402b453c05.herokuapp.com/Project/drivers.php>**URL #2**<https://github.com/abhinavkarthikn/ak2774-it202-008/pull/78>

● Current User's Association Page (2 pts.)

^COLLAPSE ^

● Task #1 - Points: 1

Text: Screenshots of this page

**Checklist**

\*The checkboxes are for your own tracking

#	Points	Details
<input type="checkbox"/> #1	1	Show the summary of the results with relevant information per entity
<input type="checkbox"/> #2	1	Show the single view buttons/links, delete button/links, and delete all button/link
<input type="checkbox"/> #3	1	Show variations of the number of shown items count and show the count of total number of associated items to the user
<input type="checkbox"/> #4	1	Show variations of the filter/sort including no results (proper message should be visible)
<input type="checkbox"/> #5	1	Make sure the heroku dev url is visible in the address bar
<input type="checkbox"/> #6	1	Clearly caption screenshots

**Task Screenshots:****Gallery Style: Large View****Small****Medium****Large**

The screenshot shows a web browser window with the URL [https://ak2774-dev-166064fb52.herokuapp.com/Project/my\\_drivers.php](https://ak2774-dev-166064fb52.herokuapp.com/Project/my_drivers.php). The page title is "My Drivers". At the top, there is a navigation bar with links: SpeedsterStats, Home, Profile, Drivers, My Drivers (which is highlighted in red), Available Drivers, Roles, Driver Management, and Logout. Below the navigation bar, there is a search bar with placeholder text "Search to update".

On the left, there is a "Remove All Drivers" button. Below it, there are several filter buttons for "Name", "Country", "Driver #", "Min GP(s)", "Max GP(s)", "Min WC(s)", "Max WC(s)", "Min Wins", "Max Wins", "Min Podiums", "Max Podiums", "Min Points", "Max Points", "Sort", "Order", and "Limit".

The main content area displays two driver profiles in large view:

- Fernando Alonso:** Favorited By: abhikart02. Driver Number: 14. Birthdate: 1981-07-29. Country: Spain.
- Lewis Hamilton:** Favorited By: abhikart02. Driver Number: 44. Birthdate: 1985-01-07. Country: United Kingdom.

GPs Entered: 384

World Championships: 2

GPs Entered: 336

World Championships: 7

## Screenshot of logged in users association page

### Checklist Items (0)

Results: 2/2

Name	Country	Driver #	Min GPs	Max GPs	Min WCs	Max WCs	Min Wins	Max Wins	Min Podiums	Max Podiums	Min Points	Max Points	Sort	Order	Limit
<a href="#">Name</a>	<a href="#">Country</a>	<a href="#">Driver #</a>	<a href="#">Min GP</a>	<a href="#">Max GP</a>	<a href="#">Min WC</a>	<a href="#">Max WC</a>	<a href="#">Min Win</a>	<a href="#">Max Win</a>	<a href="#">Min Pod</a>	<a href="#">Max Pod</a>	<a href="#">Min Po</a>	<a href="#">Max Po</a>	<a href="#">GP</a>	<a href="#">+</a>	10

[Filter](#) [Clear](#)

Favorited By: [abhilkart02](#)



**Fernando Alonso**  
Driver Number: 14  
Birthdate: 1981-07-29  
Country: Spain  
GPs Entered: 384  
World Championships: 2  
Wins: 32  
Podiums: 106  
Career Points: 2291.00

[Remove Driver](#) [View Driver](#)

Favorited By: [abhilkart02](#)



**Lewis Hamilton**  
Driver Number: 44  
Birthdate: 1985-01-07  
Country: United Kingdom  
GPs Entered: 336  
World Championships: 7  
Wins: 103  
Podiums: 197  
Career Points: 4649.50

[Remove Driver](#) [View Driver](#)

## Screenshot of single view and single delete button

### Checklist Items (0)

Results: 2/2

[Remove All Drivers](#)

Name	Country	Driver #	Min GPs	Max GPs	Min WCs	Max WCs	Min Wins	Max Wins	Min Podiums	Max Podiums	Min Po	Max Po	Min Po	Max Po	Min Po
<a href="#">Name</a>	<a href="#">Country</a>	<a href="#">Driver #</a>	<a href="#">Min GP</a>	<a href="#">Max GP</a>	<a href="#">Min WC</a>	<a href="#">Max WC</a>	<a href="#">Min Win</a>	<a href="#">Max Win</a>	<a href="#">Min Pod</a>	<a href="#">Max Pod</a>	<a href="#">Min Po</a>	<a href="#">Max Po</a>	<a href="#">Po</a>	<a href="#">+</a>	10

[Filter](#) [Clear](#)

Favorited By: [abhilkart02](#)



Favorited By: [abhilkart02](#)



## Screenshot of remove all button

## Checklist Items (0)

ak2774-dev-f660064fd52c.herokuapp.com/Project/my\_drivers.php

SpeedsterStats Home Profile Drivers My Drivers Available Drivers Roles Driver Management Logout

## My Drivers

Remove All Drivers

Name	Country	Driver #	Min GPs	Max GPs	Min WCs	Max WCs	Min Wins	Max Wins
<input type="text" value="Name"/>	<input type="text" value="Country"/>	<input type="text" value="Driver #"/>	<input type="text" value="Min GP:"/>	<input type="text" value="Max GP"/>	<input type="text" value="Min WC"/>	<input type="text" value="Max WC"/>	<input type="text" value="Min Wins"/>	<input type="text" value="Max Wins"/>

Filter Clear

Results: 2/2

Favorited By: [abhikart02](#)



Favorited By: [abhikart02](#)



### Screenshot of results with no filters

## Checklist Items (0)

SpeedsterStats

Home Profile Drivers My Drivers Available Drivers Roles Driver Management Logout

## My Drivers

Remove All Drivers

Name	Country	Driver #	Min GPs	Max GPs	Min WCs	Max WCs	Min Wins	Max Wins	Min Wins
lew	Country	Driver #	Min GP:	Max GP	Min WC	Max WC	Min Win	Max Wi	

Filter Clear

Results: 1/2

Favorited By: abhikart02



## Screenshot of results with filters

Checklist Items (0)

ak2774-dev-f660064fd52c.herokuapp.com

My Drivers

Remove All Drivers

Name	Country	Driver #	Min GPs	Max GPs	Min WCs	Max WCs	Min Wins	Max Wins
max	Country	Driver #	Min GP	Max GP	Min WC	Max WC	Min Win	Max Win

Filter Clear

Results: 0/2  
No results to show

## Screenshot of no results message

Checklist Items (0)

ak2774-dev-f660064fd52c.herokuapp.com

My Drivers

Remove All Drivers

Name	Country	Driver #	Min GPs	Max GPs	Min WCs	Max WCs	Min Wins	Max Wins	Min Podiums	Max Podiums	Min Po
Name	Country	Driver #	Min GP	Max GP	3	Max WC	Min Win	Max Win	Min Pod	Max Po	Min Po

Filter Clear

Results: 1/2  
Favorited By: [abbikar02](#)

Lewis Hamilton  
Driver Number: 44  
Birthdate: 1985-01-07  
Country: United Kingdom  
GP's Entered: 336  
World Championships: 7

## Screenshot of filters working

### Checklist Items (0)

#### Task #2 - Points: 1

Text: Screenshot the code

### Checklist

\*The checkboxes are for your own tracking

#	Points	Details
<input type="checkbox"/> #1	1	Show the code related to fetching the user's associations (including the query)
<input type="checkbox"/> #2	1	Show the code related to the display of the results
<input type="checkbox"/> #3	1	Each record should have a button/link for single view
<input type="checkbox"/> #4	1	Each record should have a button/link for delete (this may be an admin-only thing but should be present for the specific role) Note: this is to delete the relationship and not the specific entity
<input type="checkbox"/> #5	1	Show the logic for deleting all associations for the user (this may be admin-only but should be present for the specific role)
<input type="checkbox"/> #6	1	Show the logic related to the count of all associated items to the user (even the ones not shown in the filtered results)
<input type="checkbox"/> #7	1	Show the logic related to the count of the items on the page (this value should change based on the filter applied)
<input type="checkbox"/> #8	1	Show the logic related to filter/sort (limit should be constrained to 1-100 otherwise default to 10)
<input type="checkbox"/> #9	1	Include ucid/date comments for each code screenshot
<input type="checkbox"/> #10	1	Clearly caption screenshots

### Task Screenshots:

#### Gallery Style: Large View

Small      Medium      Large

The screenshot shows a terminal window with several tabs open at the top, including 'my\_drivers.php', 'assign\_drivers.php', 'remove\_driver.php', 'remove\_all.php', 'driver\_associations.php', 'detail\_driver.php', 'driver\_card.php', 'drivers.php', and 'User'. The main area of the terminal displays the following PHP code:

```
<?php
require(__DIR__ . "/../../partials/nav.php");
$db=getDB();
//remove all associations
if(isset($_GET["remove"])){
    $query="DELETE FROM `UserDrivers` WHERE user_id=:user_id";
    $stmt=$db->prepare($query);
    $stmt->execute(['user_id'=>$_GET["remove"]]);}
```

```

10     $stmt=$db->prepare($query);
11     $stmt->execute([":user_id"=>get_user_id()]);
12     flash("All drivers removed", "success");
13 } <- #9-13 try
14 catch(PDOException $e)[]
15 |     error_log("Error removing all drivers: " . var_export($e, true)); //ak2774, 4/29/24
16 |     flash("Error removing all drivers", "danger");
17 |
18 ] <- #14-18 catch(PDOException $e)
19 |
20     redirect("my_drivers.php");
21 } <- #7-21 if(isset($_GET["remove"]))
22 |
23 |
24 |
25 $form = [
26     ["type" => "text", "name" => "name", "placeholder" => "Name", "label" => "Name", "include_margin" => false],
27     ["type" => "text", "name" => "country", "placeholder" => "Country", "label" => "Country", "include_margin" => false],
28     ["type" => "number", "name" => "number", "placeholder" => "Driver #", "label" => "Driver #", "include_margin" => false],
29     ["type" => "number", "name" => "grands_prix_entered_min", "placeholder" => "Min GPs", "label" => "Min GPs", "include_margin" => false],
30     ["type" => "number", "name" => "grands_prix_entered_max", "placeholder" => "Max GPs", "label" => "Max GPs", "include_margin" => false],
31     ["type" => "number", "name" => "world_championships_min", "placeholder" => "Min WCs", "label" => "Min WCs", "include_margin" => false],
32     ["type" => "number", "name" => "world_championships_max", "placeholder" => "Max WCs", "label" => "Max WCs", "include_margin" => false],
33     ["type" => "select", "name" => "sort", "label" => "Sort", "options" => [
34         ["grands_prix_entered" => "GPs", "world_championships" => "WCs",
35         "highest_race_finish" => "Wins", "podiums" => "Podiums", "career_points" => "Points"
36     ], "include_margin" => false],
37     ["type" => "select", "name" => "order", "label" => "Order", "options" => ["asc" => "+", "desc" => "-"], "include_margin" => false],
38     ["type" => "number", "name" => "limit", "label" => "Limit", "value" => "10", "include_margin" => false] //ak2774, 4/29/24
39 ];
40 |
41 |
42 |
43 |
44 |
45 |
46 |
47 |
48 |
49 |
50 |
51 ];
45 <- #25-54 $form =
52 |
53 |
54 |
55 |
56 $total_records=get_total_count("Drivers" d JOIN 'UserDrivers' ud ON d.id=ud.driver_id WHERE user_id=:user_id", [":user_id"=>get_user_id()]);
57 |
58 |
59 |
60 |
61 |
62 |
63 |
64 |
65 |
66 |
67 |
68 |
69 |
70 ]

```

Screenshot of remove all button code and part of form

## Checklist Items (0)

```

File Edit Selection View Go Run Terminal Help ← → ⌂ ak2774-it202-008
my_drivers.php assign_drivers.php remove_driver.php remove_all.php driver_associations.php detail_driver.php driver_card.php drivers.php UserD
public_html > Project > my_drivers.php > ...
35     $stmt=$db->prepare($query);
36     $stmt->execute([":user_id"=>get_user_id()]);
37     flash("All drivers removed", "success");
38 } <- #9-13 try
39 catch(PDOException $e)[]
40 |     error_log("Error removing all drivers: " . var_export($e, true)); //ak2774, 4/29/24
41 |     flash("Error removing all drivers", "danger");
42 |
43 |
44 |
45 $form = [
46     ["type" => "text", "name" => "name", "placeholder" => "Name", "label" => "Name", "include_margin" => false],
47     ["type" => "text", "name" => "country", "placeholder" => "Country", "label" => "Country", "include_margin" => false],
48     ["type" => "number", "name" => "number", "placeholder" => "Driver #", "label" => "Driver #", "include_margin" => false],
49     ["type" => "number", "name" => "grands_prix_entered_min", "placeholder" => "Min GPs", "label" => "Min GPs", "include_margin" => false],
50     ["type" => "number", "name" => "grands_prix_entered_max", "placeholder" => "Max GPs", "label" => "Max GPs", "include_margin" => false],
51     ["type" => "number", "name" => "world_championships_min", "placeholder" => "Min WCs", "label" => "Min WCs", "include_margin" => false],
52     ["type" => "number", "name" => "world_championships_max", "placeholder" => "Max WCs", "label" => "Max WCs", "include_margin" => false],
53     ["type" => "select", "name" => "sort", "label" => "Sort", "options" => [
54         ["grands_prix_entered" => "GPs", "world_championships" => "WCs",
55         "highest_race_finish" => "Wins", "podiums" => "Podiums", "career_points" => "Points"
56     ], "include_margin" => false],
57     ["type" => "select", "name" => "order", "label" => "Order", "options" => ["asc" => "+", "desc" => "-"], "include_margin" => false],
58     ["type" => "number", "name" => "limit", "label" => "Limit", "value" => "10", "include_margin" => false] //ak2774, 4/29/24
59 ];
60 |
61 |
62 |
63 |
64 |
65 |
66 |
67 |
68 |
69 |
70 ];
45 <- #25-54 $form =
60 |
61 |
62 |
63 |
64 |
65 |
66 |
67 |
68 |
69 |
70 |

```

Screenshot of form code and start of query

## Checklist Items (0)

```

File Edit Selection View Go Run Terminal Help ← → ⌂ ak2774-it202-008
my_drivers.php assign_drivers.php remove_driver.php remove_all.php driver_associations.php detail_driver.php driver_card.php drivers.php UserD
public_html > Project > my_drivers.php > ...
70 } else {
71     $session_data = session_load($session_key);
72 }
73 |
74 if (count($_GET) == 0 && isset($session_data) && count($session_data) > 0) {
75     if ($session_data) {
76         $_GET = $session_data;
77     }

```

```

78 } <- #74-78 if (count($_GET) == 0 && isset($session_data) && count($sessi...
79 if (count($_GET) > 0) {
80     session_save($session_key, $_GET);
81     $keys = array_keys($_GET);
82
83     foreach ($form as $k => $v) {
84         if (in_array($v["name"], $keys)) {
85             $form[$k]["value"] = $_GET[$v["name"]]; //ak2774, 4/29/24
86         }
87     } <- #83-87 foreach ($form as $k => $v)
88
89     $name = se($_GET, "name", "", false);
90     if (!empty($name)) {
91         $query .= " AND name LIKE :name";
92         $params[":name"] = "%$name%";
93     }
94
95
96     $country = se($_GET, "country", "", false);
97     if (!empty($country)) {
98         $query .= " AND country LIKE :country";
99         $params[":country"] = "%$country%";
100    }
101
102    $number = se($_GET, "number", "-1", false);
103    if (!empty($number) && $number > -1) {
104        $query .= " AND number=:number";
105        $params[":number"] = $number;

```

## Screenshot of building query part 1

### Checklist Items (0)

This screenshot shows a code editor interface with a dark theme. The top menu bar includes File, Edit, Selection, View, Go, Run, Terminal, and Help. A search bar on the right contains the text 'ak2774-k202-008'. The main code area displays several PHP files in a sidebar and the content of 'my\_drivers.php'.

```

108     $grands_prix_entered_min = se($_GET, "grands_prix_entered_min", "-1", false);
109     if (!empty($grands_prix_entered_min) && $grands_prix_entered_min > -1) {
110         $query .= " AND grands_prix_entered>=:grands_prix_entered_min";
111         $params[":grands_prix_entered_min"] = $grands_prix_entered_min;
112     }
113
114     $grands_prix_entered_max = se($_GET, "grands_prix_entered_max", "-1", false);
115     if (!empty($grands_prix_entered_max) && $grands_prix_entered_max > -1) {
116         $query .= " AND grands_prix_entered<=:grands_prix_entered_max";
117         $params[":grands_prix_entered_max"] = $grands_prix_entered_max;
118     }
119
120     $world_championships_min = se($_GET, "world_championships_min", "-1", false);
121     if (!empty($world_championships_min) && $world_championships_min > -1) {
122         $query .= " AND world_championships>=:world_championships_min";
123         $params[":world_championships_min"] = $world_championships_min;
124     }
125
126     $world_championships_max = se($_GET, "world_championships_max", "-1", false);
127     if (!empty($world_championships_max) && $world_championships_max > -1) [ // ak2774, 4/29/24
128         $query .= " AND world_championships<=:world_championships_max";
129         $params[":world_championships_max"] = $world_championships_max;
130     ]
131
132     $highest_race_finish_min = se($_GET, "highest_race_finish_min", "-1", false);
133     if (!empty($highest_race_finish_min) && $highest_race_finish_min > -1) {
134         $query .= " AND highest_race_finish>=:highest_race_finish_min";
135         $params[":highest_race_finish_min"] = $highest_race_finish_min;
136     }
137
138     $highest_race_finish_max = se($_GET, "highest_race_finish_max", "-1", false);
139     if (!empty($highest_race_finish_max) && $highest_race_finish_max > -1) {
140         $query .= " AND highest_race_finish<=:highest_race_finish_max";
141         $params[":highest_race_finish_max"] = $highest_race_finish_max;
142     }
143
144 
```

## Screenshot of building query part 2

### Checklist Items (0)

This screenshot shows a code editor interface with a dark theme, similar to the previous one. The top menu bar includes File, Edit, Selection, View, Go, Run, Terminal, and Help. A search bar on the right contains the text 'ak2774-k202-008'. The main code area displays several PHP files in a sidebar and the content of 'my\_drivers.php'.

```

144     $podiums_min = se($_GET, "podiums_min", "-1", false);
145     if (!empty($podiums_min) && $podiums_min > -1) {
146         $query .= " AND podiums>=:podiums_min";
147         $params[":podiums_min"] = $podiums_min;
148     }
149
150 
```

```

149
150     $podiums_max = se($_GET, "podiums_max", "-1", false);
151     if (!empty($podiums_max) && $podiums_max > -1) {
152         $query .= " AND podiums<=:podiums_max";
153         $params[":podiums_max"] = $podiums_max;
154     }
155
156     $career_points_min = se($_GET, "career_points_min", "-1", false);
157     if (!empty($career_points_min) && $career_points_min > -1) {
158         $query .= " AND career_points>=:career_points_min";
159         $params[":career_points_min"] = $career_points_min;
160     }
161
162     $career_points_max = se($_GET, "career_points_max", "-1", false); //ak2774, 4/29/24
163     if (!empty($career_points_max) && $career_points_max > -1) {
164         $query .= " AND career_points<=:career_points_max";
165         $params[":career_points_max"] = $career_points_max;
166     }
167
168     $sort = se($_GET, "sort", "grands_prix_entered", false);
169     if (!in_array($sort, ["grands_prix_entered", "world_championships", "highest_race_finish", "podiums", "career_points"])) {
170         $sort = "grands_prix_entered";
171     }
172
173     $order = se($_GET, "order", "desc", false);
174     if (!in_array($order, ["asc", "desc"])) {
175         $order = "desc";
176     }
177
178     $query .= " ORDER BY $sort $order";
179

```

### Screenshot of building query part 3

#### Checklist Items (0)

```

179     try {
180         $limit = (int)se($_GET, "limit", "10", false);
181     } catch (Exception $e) {
182         $limit = 10;
183     }
184     if ($limit < 1 || $limit > 100) {
185         $limit = 10;
186     }
187
188     $query .= " LIMIT $limit";
189 } <- #79-190 if (count($_GET) > 0)
190
191 $stmt = $db->prepare($query);
192 $results = [];
193 try {
194     $stmt->execute($params);
195     $r = $stmt->fetchAll();
196     if ($r) {
197         $results = $r;
198     }
199 } catch (PDOException $e) []
200     error_log("Error fetching drivers: " . var_export($e, true)); //ak2774, 4/29/24
201     flash("Unhandled error occurred", "danger");
202 []
203
204 foreach ($results as $index => $driver) {
205     foreach ($driver as $key => $value) {
206         if (is_null($value)) {
207             $results[$index][$key] = "N/A";
208         }
209     }
210 } <- #205-209 foreach ($driver as $key => $value)
211 } <- #204-210 foreach ($results as $index => $driver)
212
213 $table = [
214     "data" => $results, "title" => "Drivers", "ignored_columns" => ["id"],
215     "view_url" => get_url("driver.php"),
216

```

### Screenshot of building query part 4 and fetching

#### Checklist Items (0)

```

217
218     <div class="container-fluid">
219         <h3>My Drivers</h3>
220         <div>
221             <table>
222                 <thead>
223                     <tr>
224                         <th>#</th>
225                         <th>Name</th>
226                         <th>Country</th>
227                         <th>Grand Prix Entered</th>
228                         <th>World Championships</th>
229                         <th>Highest Race Finish</th>
230                         <th>Podiums</th>
231                         <th>Career Points</th>
232                     </tr>
233                 </thead>
234                 <tbody>
235                     <tr>
236                         <td>1</td>
237                         <td>John Doe</td>
238                         <td>USA</td>
239                         <td>10</td>
240                         <td>1</td>
241                         <td>1</td>
242                         <td>10</td>
243                         <td>100</td>
244                     </tr>
245                 </tbody>
246             </table>
247         </div>
248     </div>

```

```

221     <a href="#" onclick="confirm('Are you sure?') ? event.preventDefault() : remove_all_drivers();>Remove All Drivers</a>
222 </div>
223 <form method="GET">
224     <div class="row mb-3" style="align-items: flex-end;">
225         <?php foreach ($form as $k => $v) : ?>
226             <div class="col">
227                 <?php render_input($v); ?>
228             </div>
229         </?php endforeach; ?>
230     </div>
231     <?php render_button(["text" => "Search", "type" => "submit", "text" => "Filter"]); ?>
232     <a href="?clear" class="btn btn-secondary">Clear</a>
233 </form>
234 <?php render_result_counts(count($results), $total_records); //ak2774, 4/29/24?>
235 <div class="row w-100 row-cols-auto row-cols-sm-1 row-cols-md-2 row-cols-lg-3 row-cols-xl-4 row-cols-xxl-5 g-4">
236     <?php foreach ($results as $driver) : ?>
237         <div class="col">
238             <?php render_driver_card($driver); ?>
239         </div>
240     </?php endforeach; ?>
241     <?php if(count($results)==0): ?>
242         <div class="col">
243             No results to show
244         </div>
245     </?php endif; ?>
246 </div>
247 </div>
248 </?php
249 require_once(__DIR__ . "/../../partials/nav.php");

```

Screenshot of html code

## Checklist Items (0)

The screenshot shows a code editor interface with a dark theme. The top bar includes standard menu items like File, Edit, Selection, View, Go, Run, Terminal, and Help. A search bar is positioned at the top right. Below the menu, there's a toolbar with various icons. The main workspace displays a PHP script named `remove_driver.php`. The code handles the removal of a driver association from a database. It starts by including a navigation partial, then retrieves driver and user IDs from the GET request. It checks if both IDs are provided. If so, it prepares and executes a DELETE query to remove the record from the `UserDrivers` table where `driver_id` matches the provided ID and `user_id` also matches the provided ID. A success message is flashed to the user, and an error message is logged if an exception occurs. Finally, the user is redirected back to the driver's profile page.

```

File Edit Selection View Go Run Terminal Help ← → ⚡ ak2774-it202-008
my_drivers.php • assign_drivers.php • remove_driver.php • remove_all.php • driver_associations.php • detail_driver.php •
public_html > Project > remove_driver.php > ...
...
1 <?php
2 require(__DIR__ . "/../../partials/nav.php");
3
4 $db = getDB();
5 $driver_id = $_GET["driver_id"] ?? null;
6 $user_id = $_GET["user_id"] ?? null;
7
8 if ($driver_id && $user_id) {
9     $query = "DELETE FROM `UserDrivers` WHERE driver_id = :driver_id AND user_id = :user_id";
10    $params = [":driver_id" => $driver_id, ":user_id" => $user_id];
11
12    try {
13        $stmt = $db->prepare($query);
14        $stmt->execute($params);
15        flash("Driver removed successfully", "success");
16    } catch (PDOException $e) [
17        error_log("Error removing driver: " . $e->getMessage()); //ak2774, 4/29/24
18        flash("Error removing driver", "danger");
19    ]
20 } <- #8-20 if ($driver_id && $user_id)
21
22 redirect("my_drivers.php");
23 ?>
24

```

Screenshot of the remove single association page

## Checklist Items (0)

**Task #3 - Points: 1**

**Text: Explain the solution**



**Checklist**

\*The checkboxes are for your own tracking

#	Points	Details
<input type="checkbox"/> #1	1	Mention how you determine the result list (include the association logic and filters)
<input type="checkbox"/> #2	1	Mention the logic behind the two counts (total items and visible result count)
<input type="checkbox"/> #3	1	Mention the logic for single delete and delete all associations for the specific user

**Response:**

When filters are used, the code checks which filters are empty and which are not, and when something is not empty, it is added to the query like you can see for each filter. After going through each filter parameter, the query is built and then executed and the results are shown on the screen. The total items counts the total items that are in the database and the total results counts the total items that are selected from the query using the get\_total\_count function. Single delete is done through a button which has a get\_url to the remove\_driver.php file. In that file, there is a query which matches the user id and the driver id and deletes a record with both matching. The delete all option is at the start of the file which deletes all the records in the UserDrivers table which matches the user id of the user who is deleting.

**Task #4 - Points: 1****Text:** Add related links**Checklist**

\*The checkboxes are for your own tracking

#	Points	Details
<input type="checkbox"/> #1	1	Include the heroku prod link for the page that creates the association
<input type="checkbox"/> #2	1	Add the pull request link for the branch related to this feature Note: the link should end with /pull/#. Same pull request shouldn't be used for each feature

**URL #1**[https://ak2774-prod-76402b453c05.herokuapp.com/Project/my\\_drivers.php](https://ak2774-prod-76402b453c05.herokuapp.com/Project/my_drivers.php)**URL #2**<https://github.com/abhinavkarthikn/ak2774-it202-008/pull/79>**All Users Association Page (likely an admin page) (2 pts.)****^COLLAPSE ^****Task #1 - Points: 1****Text:** Screenshots of this page**Checklist**

\*The checkboxes are for your own tracking

#	Points	Details
<input type="checkbox"/> #1	1	Show the summary of the results with relevant information per entity
<input type="checkbox"/> #2	1	Show the single view buttons links, delete button links

<input type="checkbox"/> #2	1	Show the single view buttons/links, delete button/links
<input type="checkbox"/> #3	1	Show the username related to the specific entity and that it's clickable
<input type="checkbox"/> #4	1	Show variations of the number of shown items count and show the count of total number of associated items
<input type="checkbox"/> #5	1	Show variations of the filter/sort including no results (proper message should be visible)
<input type="checkbox"/> #6	1	Make sure the heroku dev url is visible in the address bar
<input type="checkbox"/> #7	1	Clearly caption screenshots

### Task Screenshots:

**Gallery Style: Large View**

---

Small      Medium      Large

Driver	Driver Number	Birthdate	Country
Lewis Hamilton	44	1985-01-07	United Kingdom
Fernando Alonso	14	1981-07-29	Spain
Max Verstappen	1	1997-09-30	Netherlands
Max Verstappen	1	1997-09-30	Netherlands
Lando Norris	4	1999-11-13	United Kingdom

Screenshot of all users association page

### Checklist Items (0)

Driver	Driver Number	Birthdate	Country
Lewis Hamilton	44	1985-01-07	United Kingdom
Fernando Alonso	14	1981-07-29	Spain
Max Verstappen	1	1997-09-30	Netherlands
Max Verstappen	1	1997-09-30	Netherlands
Lando Norris	4	1999-11-13	United Kingdom

Driver Number: 44	Driver Number: 14	Driver Number: 1	Driver Number: 4
Birthdate: 1985-01-07	Birthdate: 1981-07-29	Birthdate: 1997-09-30	Birthdate: 1999-11-13
Country: United Kingdom	Country: Spain	Country: Netherlands	Country: United Kingdom
GPs Entered: 336	GPs Entered: 384	GPs Entered: 189	GPs Entered: 108
World Championships: 7	World Championships: 2	World Championships: 3	World Championships: 0
Wins: 103	Wins: 32	Wins: 57	Wins: 0
Podiums: 197	Podiums: 106	Podiums: 101	Podiums: 14
Career Points: 4649.50	Career Points: 2291.00	Career Points: 2663.50	Career Points: 670.00
# of Associations: 2	# of Associations: 1	# of Associations: 2	# of Associations: 2
<a href="#">Remove Driver</a>	<a href="#">View Driver</a>	<a href="#">Remove Driver</a>	<a href="#">View Driver</a>

### Screenshot of single view and single delete button

#### Checklist Items (0)

Results: 6/7

Favorited By: <a href="#">abhikart02</a>	Favorited By: <a href="#">abhikart02</a>
--	--

### Screenshot of username which are also links

#### Checklist Items (0)

SpeedsterStats [Home](#) [Profile](#) [Drivers](#) [My Drivers](#) [Available Drivers](#) [Roles](#) [Driver Management](#) [Logout](#)

Associated Drivers					
Username	Name	Country	Driver #	Min GPs	Max GPs

Username	Name	Country	Driver #	Min GPs	Max GPs
Min WCs	Max WCs	Min Wins	Max Wins	Min Podiums	Max Podiums
Min Points	Max Points	Sort	Order	Limit	
Min Points	Max Points	GPs	*	10	

[Filter](#) [Clear](#)

Results: 6/7

Screenshot of results with no filters, 1 entity is currently not toggled so is\_active is 0

## Checklist Items (0)

SpeedsterStats [Home](#) [Profile](#) [Drivers](#) [My Drivers](#) [Available Drivers](#) [Roles](#) [Driver Management](#) [Logout](#)

[Associated Drivers](#)

[Remove All](#)

Username	Name	Country	Driver #	Min GPs	Max GPs
Username	max	Country	Driver #	Min GPs	Max GPs
Min WCs	Max WCs	Min Wins	Max Wins	Min Podiums	Max Podiums
Min WCs	Max WCs	Min Wins	Max Wins	Min Podiums	Max Podiums
Min Points	Max Points	Sort	Order	Limit	
Min Points	Max Points	GPs	*	10	

[Filter](#) [Clear](#)

Results: 2/7

Favorited By: [abhi02](#)



Max Verstappen  
Driver Number: 1  
Birthdate: 1997-09-30

Favorited By: [abhi02](#)



Max Verstappen  
Driver Number: 1  
Birthdate: 1997-09-30

Screenshot of page with filters and results changing

## Checklist Items (0)

SpeedsterStats [Home](#) [Profile](#) [Drivers](#) [My Drivers](#) [Available Drivers](#) [Roles](#) [Driver Management](#) [Logout](#)

[Associated Drivers](#)

[Remove All](#)

Username	Name	Country	Driver #	Min GPs	Max GPs
Username	seb	Country	Driver #	Min GPs	Max GPs
Min WCs	Max WCs	Min Wins	Max Wins	Min Podiums	Max Podiums
Min WCs	Max WCs	Min Wins	Max Wins	Min Podiums	Max Podiums

Min Points	Max Points	Sort	Order	Limit
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="button"/> + <input type="button"/>	<input type="text"/>
<input type="button"/> Filter	<input type="button"/> Clear			

Results: 0/7  
No results to show

### Screenshot of no results message

#### Checklist Items (0)



#### Task #2 - Points: 1

**Text:** Screenshot the code

#### Checklist

\*The checkboxes are for your own tracking

#	Points	Details
<input type="checkbox"/> #1	1	Show the code related to fetching all associations (including the query)
<input type="checkbox"/> #2	1	Show the code related to the display of the results
<input type="checkbox"/> #3	1	Each record should have a button/link for single view
<input type="checkbox"/> #4	1	Each record should have a username field that is clickable to go to the user's profile page
<input type="checkbox"/> #5	1	Each record should have a button/link for delete (this may be an admin-only thing but should be present for the specific role) Note: this is to delete the relationship and not the specific entity
<input type="checkbox"/> #6	1	Show the logic related to the count of all associated items (even the ones not shown in the filtered results)
<input type="checkbox"/> #7	1	Show the logic related to the count of the items on the page (this value should change based on the filter applied)
<input type="checkbox"/> #8	1	Show the logic related to filter/sort (should include a partial match for username ) (limit should be constrained to 1-100 otherwise default to 10)
<input type="checkbox"/> #9	1	Include ucid/date comments for each code screenshot
<input type="checkbox"/> #10	1	Clearly caption screenshots

#### Task Screenshots:

Gallery Style: Large View

Small       Medium       Large



```

<?php
require(__DIR__ . "/../../../../partials/nav.php");

if (!has_role("Admin")) {
    flash("you don't have permission to view this page", "warning");
    redirect("home.php");
}

$form = [
    ["type" => "text", "name" => "username", "placeholder" => "Username", "label" => "Username", "include_margin" => false],
    ["type" => "text", "name" => "name", "placeholder" => "Name", "label" => "Name", "include_margin" => false],
    ["type" => "text", "name" => "country", "placeholder" => "Country", "label" => "Country", "include_margin" => false],
    ["type" => "number", "name" => "number", "placeholder" => "Driver #", "label" => "Driver #", "include_margin" => false],
    ["type" => "number", "name" => "grands_prix_entered_min", "placeholder" => "Min GPs", "label" => "Min GPs", "include_margin" => false],
    ["type" => "number", "name" => "grands_prix_entered_max", "placeholder" => "Max GPs", "label" => "Max GPs", "include_margin" => false],
    ["type" => "number", "name" => "world_championships_min", "placeholder" => "Min WCs", "label" => "Min WCs", "include_margin" => false],
    ["type" => "number", "name" => "world_championships_max", "placeholder" => "Max WCs", "label" => "Max WCs", "include_margin" => false],
    ["type" => "number", "name" => "highest_race_finish_min", "placeholder" => "Min Wins", "label" => "Min Wins", "include_margin" => false],
    ["type" => "number", "name" => "highest_race_finish_max", "placeholder" => "Max Wins", "label" => "Max Wins", "include_margin" => false],
    ["type" => "number", "name" => "podiums_min", "placeholder" => "Min Podiums", "label" => "Min Podiums", "include_margin" => false],
    ["type" => "number", "name" => "podiums_max", "placeholder" => "Max Podiums", "label" => "Max Podiums", "include_margin" => false], //ak2774, 4/29/24
    ["type" => "number", "name" => "career_points_min", "placeholder" => "Min Points", "label" => "Min Points", "include_margin" => false],
    ["type" => "number", "name" => "career_points_max", "placeholder" => "Max Points", "label" => "Max Points", "include_margin" => false],
    ["type" => "select", "name" => "sort", "label" => "Sort", "options" => [[{"label": "GPs", "value": "grands_prix_entered"}, {"label": "World Championships", "value": "world_championships"}, {"label": "Wins", "value": "highest_race_finish"}, {"label": "Podiums", "value": "podiums"}, {"label": "Career Points", "value": "career_points"}], "include_margin" => false],
    ["type" => "select", "name" => "order", "label" => "Order", "options" => [{"asc": true, "desc": false}, {"asc": false, "desc": true}], "include_margin" => false],
    ["type" => "number", "name" => "limit", "label" => "Limit", "value" => "10", "include_margin" => false]
];

```

## Screenshot of admin requirement and form

### Checklist Items (0)

```

$total_records = get_total_count("Drivers" d JOIN "UserDrivers" ud ON d.id=ud.driver_id);

$query = "SELECT
    (SELECT u.username FROM Users u WHERE u.id=ud.user_id LIMIT 1) AS username, d.id, name, abbr, image, country, birthdate, number, grands_prix_entered,
    world_championships, podiums, highest_race_finish, career_points, udr.user_id,
    (SELECT COUNT(ud.user_id) FROM "UserDrivers" ud WHERE ud.driver_id=d.id) AS total_users
    FROM "Drivers" d LEFT JOIN "UserDrivers" udr ON d.id=udr.driver_id JOIN Users us ON us.id=udr.user_id
    WHERE udr.is_active=1";

$params = [];
$_SESSION['key'] = $_SERVER["SCRIPT_NAME"];
$_SESSION['clear'] = isset($_GET["clear"]);
if ($_SESSION['clear']) {
    session_delete($_SESSION['key']);
    unset($_GET["clear"]);
    redirect($_SESSION['key']);
} else {
    $_SESSION['data'] = session_load($_SESSION['key']); //ak2774, 4/29/24
}

if (count($_GET) == 0 && isset($_SESSION['data']) && count($_SESSION['data']) > 0) {
    if ($_SESSION['data']) {
        $_GET = $_SESSION['data'];
    }
}
} <- #61-65 if (count($_GET) == 0 && isset($_SESSION['data']) && count($_SESSION['data']) > 0) {
    if (count($_GET) > 0) {
        session_save($_SESSION['key'], $_GET);
        $keys = array_keys($_GET);
        foreach ($form as $k => $v) {
            if (in_array($v["name"], $keys)) {
                $form[$k]["value"] = $_GET[$v["name"]];
            }
        }
    }
}
} <- #71-75 foreach ($form as $k => $v)

```

## Screenshot of query and query building

### Checklist Items (0)

```
public_html > Project > admin > driver_associations.php > ...
72
73     $queryConditions = [];
74     $params = [];
75
76     $username = se($_GET, "username", "", false);
77     if (!empty($username)) {
78         $queryConditions[] = "username LIKE :username";
79         $params[":username"] = "%$username%";
80     }
81
82     $name = se($_GET, "name", "", false);
83     if (!empty($name)) {
84         $queryConditions[] = "name LIKE :name";
85         $params[":name"] = "%$name%";
86     }
87
88     $country = se($_GET, "country", "", false);
89     if (!empty($country)) {
90         $queryConditions[] = "country LIKE :country";
91         $params[":country"] = "%$country%";
92     }
93
94     $number = se($_GET, "number", "-1", false); // ak2774, 4/29/24
95     if (!empty($number) && $number > -1) {
96         $query .= " AND number=:number";
97         $params[":number"] = $number;
98     }
99
100    $grands_prix_entered_min = se($_GET, "grands_prix_entered_min", "-1", false);
101    if (!empty($grands_prix_entered_min) && $grands_prix_entered_min > -1) {
102        $query .= " AND grands_prix_entered>=:grands_prix_entered_min";
103        $params[":grands_prix_entered_min"] = $grands_prix_entered_min;
104    }
105
106    $grands_prix_entered_max = se($_GET, "grands_prix_entered_max", "-1", false);
107    if (!empty($grands_prix_entered_max) && $grands_prix_entered_max > -1) {
108        $query .= " AND grands_prix_entered<=:grands_prix_entered_max";
109        $params[":grands_prix_entered_max"] = $grands_prix_entered_max;
110    }
111
112    $world_championships_min = se($_GET, "world_championships_min", "-1", false);
113    if (!empty($world_championships_min) && $world_championships_min > -1) {
114        $query .= " AND world_championships>=:world_championships_min";
115        $params[":world_championships_min"] = $world_championships_min;
116    }
117
118    $world_championships_max = se($_GET, "world_championships_max", "-1", false);
119    if (!empty($world_championships_max) && $world_championships_max > -1) { // ak2774, 4/29/24
120        $query .= " AND world_championships<=:world_championships_max";
121        $params[":world_championships_max"] = $world_championships_max;
122    }
123
124    $highest_race_finish_min = se($_GET, "highest_race_finish_min", "-1", false);
125    if (!empty($highest_race_finish_min) && $highest_race_finish_min > -1) {
126        $query .= " AND highest_race_finish>=:highest_race_finish_min";
127        $params[":highest_race_finish_min"] = $highest_race_finish_min;
128    }
129
130    $highest_race_finish_max = se($_GET, "highest_race_finish_max", "-1", false);
131    if (!empty($highest_race_finish_max) && $highest_race_finish_max > -1) {
132        $query .= " AND highest_race_finish<=:highest_race_finish_max";
133        $params[":highest_race_finish_max"] = $highest_race_finish_max;
134    }
135
136    $podiums_min = se($_GET, "podiums_min", "-1", false);
137    if (!empty($podiums_min) && $podiums_min > -1) {
138        $query .= " AND podiums>=:podiums_min";
139        $params[":podiums_min"] = $podiums_min;
140    }
141
```

Screenshot of query building part 1

## Checklist Items (0)

```
public_html > Project > admin > driver_associations.php > ...
186    $grands_prix_entered_max = se($_GET, "grands_prix_entered_max", "-1", false);
187    if (!empty($grands_prix_entered_max) && $grands_prix_entered_max > -1) {
188        $query .= " AND grands_prix_entered<=:grands_prix_entered_max";
189        $params[":grands_prix_entered_max"] = $grands_prix_entered_max;
190    }
191
192    $world_championships_min = se($_GET, "world_championships_min", "-1", false);
193    if (!empty($world_championships_min) && $world_championships_min > -1) {
194        $query .= " AND world_championships>=:world_championships_min";
195        $params[":world_championships_min"] = $world_championships_min;
196    }
197
198    $world_championships_max = se($_GET, "world_championships_max", "-1", false);
199    if (!empty($world_championships_max) && $world_championships_max > -1) { // ak2774, 4/29/24
200        $query .= " AND world_championships<=:world_championships_max";
201        $params[":world_championships_max"] = $world_championships_max;
202    }
203
204    $highest_race_finish_min = se($_GET, "highest_race_finish_min", "-1", false);
205    if (!empty($highest_race_finish_min) && $highest_race_finish_min > -1) {
206        $query .= " AND highest_race_finish>=:highest_race_finish_min";
207        $params[":highest_race_finish_min"] = $highest_race_finish_min;
208    }
209
210    $highest_race_finish_max = se($_GET, "highest_race_finish_max", "-1", false);
211    if (!empty($highest_race_finish_max) && $highest_race_finish_max > -1) {
212        $query .= " AND highest_race_finish<=:highest_race_finish_max";
213        $params[":highest_race_finish_max"] = $highest_race_finish_max;
214    }
215
216    $podiums_min = se($_GET, "podiums_min", "-1", false);
217    if (!empty($podiums_min) && $podiums_min > -1) {
218        $query .= " AND podiums>=:podiums_min";
219        $params[":podiums_min"] = $podiums_min;
220    }
221
```

Screenshot of query building part 2

## Checklist Items (0)

```
File Edit Selection View Go Run Terminal Help ↵ → J P ak2774-it202-008
my_drivers.php assign_drivers.php remove_driver.php remove_all.php driver_associations.php detail_driver.php driver_card.php drivers.php UserD
public_html > Project > admin > driver_associations.php > ...
142 $podiums_max = se($_GET, "podiums_max", "-1", false);
143 if (!empty($podiums_max) && $podiums_max > -1) {
144     $query .= " AND podiums<=:podiums_max";
145     $params[":podiums_max"] = $podiums_max;
146 }
147
148 $career_points_min = se($_GET, "career_points_min", "-1", false);
149 if (!empty($career_points_min) && $career_points_min > -1) {
150     $query .= " AND career_points>=:career_points_min";
151     $params[":career_points_min"] = $career_points_min;
152 }
153
154 $career_points_max = se($_GET, "career_points_max", "-1", false); //ak2774, 4/29/24
155 if (!empty($career_points_max) && $career_points_max > -1) {
156     $query .= " AND career_points<=:career_points_max";
157     $params[":career_points_max"] = $career_points_max;
158 }
159
160 if (!empty($queryConditions)) {
161     $query .= " AND " . implode(" AND ", $queryConditions);
162 }
163
164 $sort = se($_GET, "sort", "grands_prix_entered", false);
165 if (!in_array($sort, ["grands_prix_entered", "world_championships", "highest_race_finish", "podiums", "career_points"])) {
166     $sort = "grands_prix_entered";
167 }
168
169 $order = se($_GET, "orden", "desc", false);
170 if (!in_array($order, ["asc", "desc"])) {
171     $order = "desc";
172 }
173
174 $query .= " ORDER BY $sort $order";
175
```

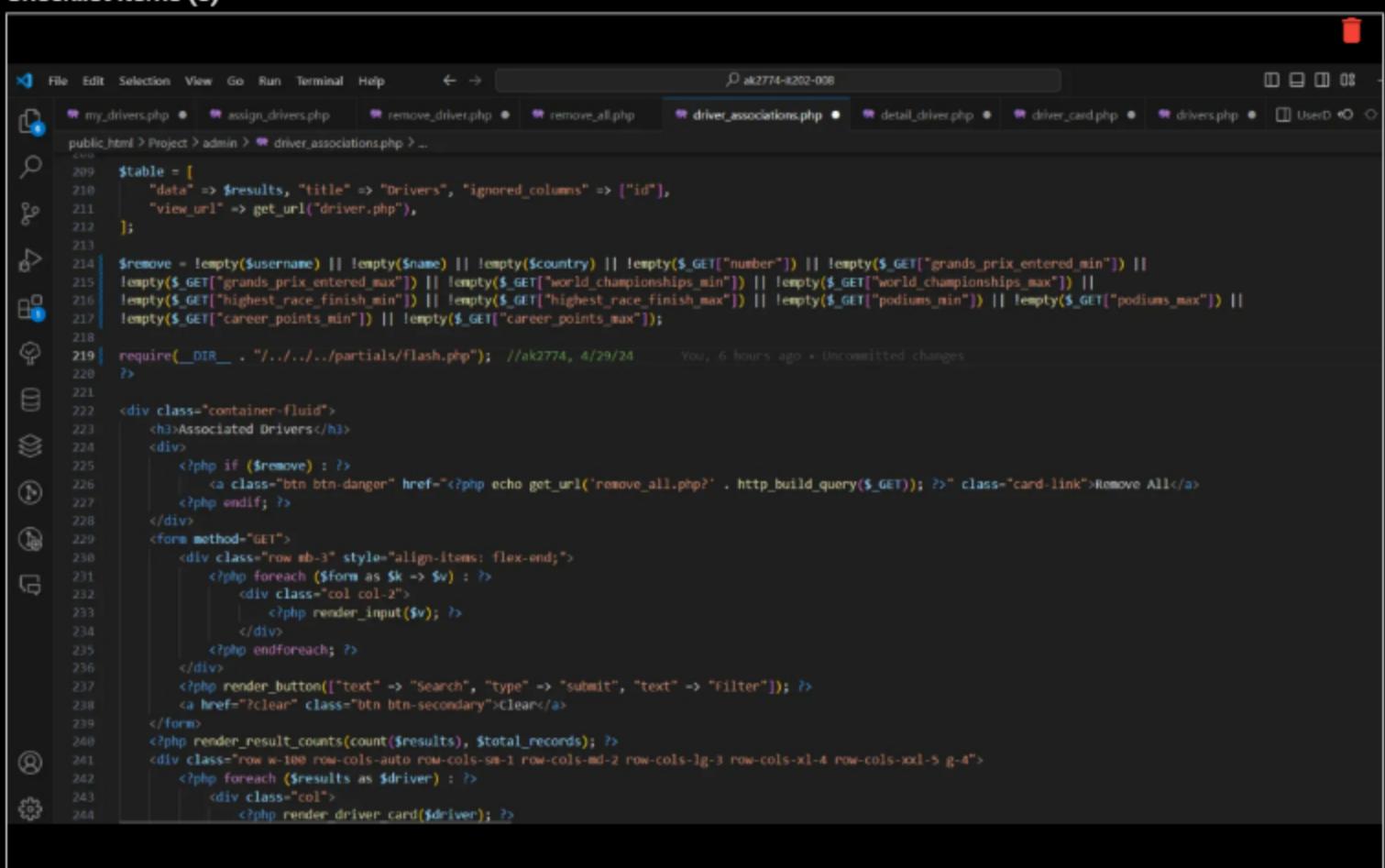
### Screenshot of query building part 3

## Checklist Items (0)

```
File Edit Selection View Go Run Terminal Help ↵ → J P ak2774-it202-008
my_drivers.php assign_drivers.php remove_driver.php remove_all.php driver_associations.php detail_driver.php driver_card.php drivers.php UserD
public_html > Project > admin > driver_associations.php > ...
176 try {
177     $limit = (int)se($_GET, "limit", "10", false);
178 } catch (Exception $e) {
179     $limit = 10;
180 }
181 if ($limit < 1 || $limit > 100) {
182     $limit = 10;
183 }
184
185 $query .= " LIMIT $limit";
186 } <- #63-122 if (count($_GET) > 0)
187
188 $db = getDB();
189 $stmt = $db->prepare($query);
190 $results = [];
191 try {
192     $stmt->execute($params);
193     $r = $stmt->fetchAll();
194     if ($r) {
195         $results = $r;
196     }
197 } catch (PDOException $e) {
198     error_log("Error fetching drivers: " . var_export($e, true)); //ak2774, 4/29/24
199     flash("An unhandled error occurred", "danger");
200 }
201 foreach ($results as $index => $driver) {
202     foreach ($driver as $key => $value) {
203         if (is_null($value)) {
204             $results[$index][$key] = "N/A";
205         }
206     }
207 } <- #138-142 foreach ($driver as $key => $value)
208 } <- #137-143 foreach ($results as $index => $driver)
209
210 $stable = [
211     "data" => $results,
212     "title" => "Drivers",
213     "ignored_columns" => ["id"],
214     "view_url" => get_url("driver.php"),
215 ];
216
```

### Screenshot of fetching

## Checklist Items (0)

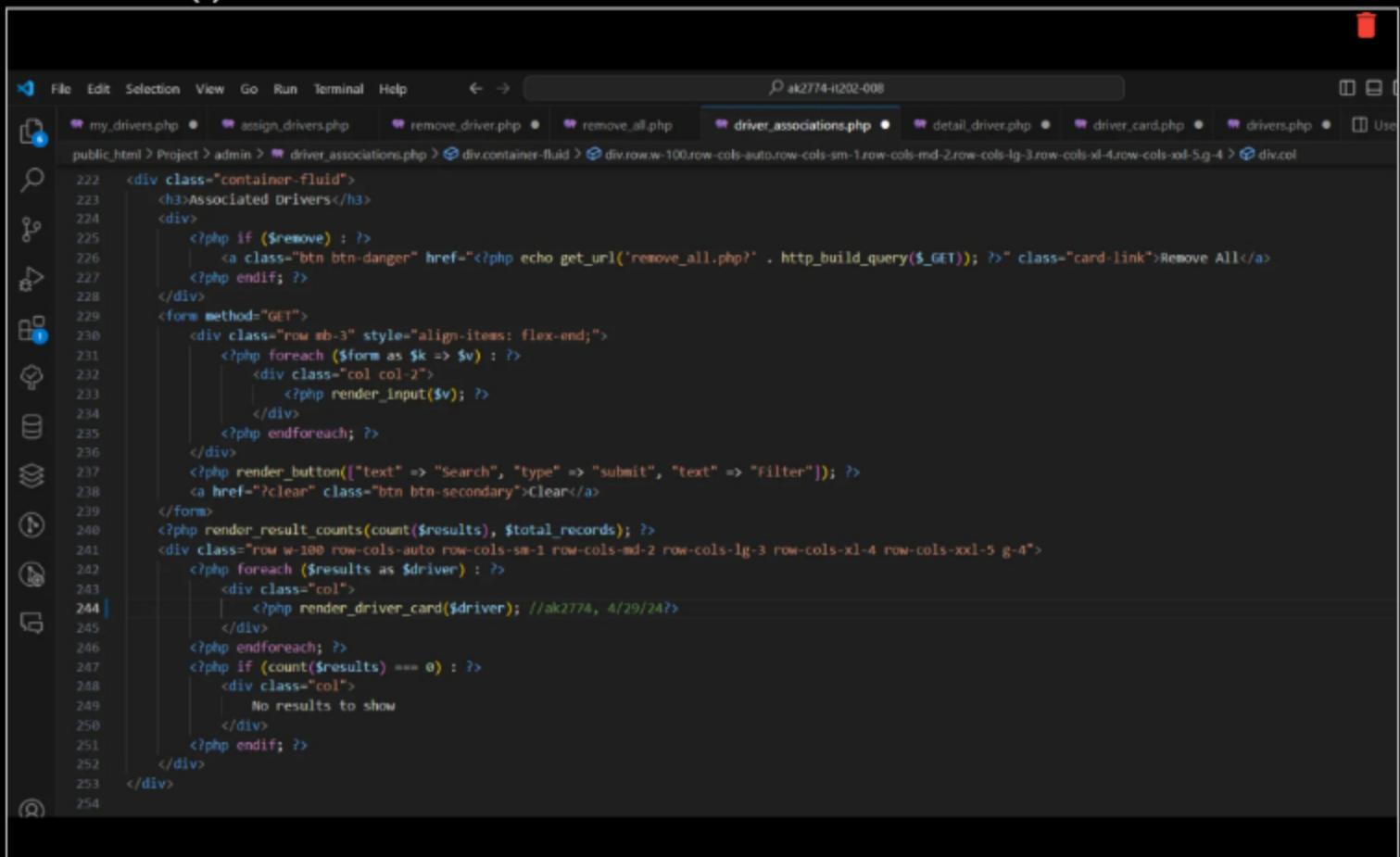


A screenshot of a code editor showing a PHP file named `driver_associations.php`. The code handles the display of associated drivers and provides a form to remove them. It includes logic to check if certain search parameters are empty and to render driver cards for each result.

```
public_html > Project > admin > driver_associations.php > ...
209 $table = [
210     "data" => $results, "title" => "Drivers", "ignored_columns" => ["id"],
211     "view_url" => get_url("driver.php"),
212 ];
213
214 $remove = !empty($username) || !empty($name) || !empty($country) || !empty($_GET["number"]) || !empty($_GET["grands_prix_entered_min"]) ||
215 !empty($_GET["grands_prix_entered_max"]) || !empty($_GET["world_championships_min"]) || !empty($_GET["world_championships_max"]) ||
216 !empty($_GET["highest_race_finish_min"]) || !empty($_GET["highest_race_finish_max"]) || !empty($_GET["podiums_min"]) || !empty($_GET["podiums_max"]) ||
217 !empty($_GET["career_points_min"]) || !empty($_GET["career_points_max"]);
218
219 require(__DIR__ . "/../../../../partials/flash.php"); //ak2774, 4/29/24    You, 6 hours ago + Uncommitted changes
?>
220
221
222 <div class="container-fluid">
223     <h3>Associated Drivers</h3>
224     <div>
225         <?php if ($remove) : ?>
226             <a class="btn btn-danger" href="php echo get_url('remove_all.php?' . http_build_query($_GET)); ?&gt;" class="card-link"&gt;Remove All&lt;/a&gt;
227         &lt;?php endif; ?&gt;
228     &lt;/div&gt;
229     &lt;form method="GET"&gt;
230         &lt;div class="row mb-3" style="align-items: flex-end;"&gt;
231             &lt;?php foreach ($form as $k =&gt; $v) : ?&gt;
232                 &lt;div class="col col-2"&gt;
233                     &lt;?php render_input($v); ?&gt;
234                 &lt;/div&gt;
235             &lt;?php endforeach; ?&gt;
236         &lt;/div&gt;
237         &lt;?php render_button(["text" =&gt; "Search", "type" =&gt; "submit", "text" =&gt; "Filter"]); ?&gt;
238         &lt;a href="#?clear" class="btn btn-secondary"&gt;Clear&lt;/a&gt;
239     &lt;/form&gt;
240     &lt;?php render_result_counts(count($results), $total_records); ?&gt;
241     &lt;div class="row w-100 row-cols-auto row-cols-sm-1 row-cols-md-2 row-cols-lg-3 row-cols-xl-4 row-cols-xxl-5 g-4"&gt;
242         &lt;?php foreach ($results as $driver) : ?&gt;
243             &lt;div class="col"&gt;
244                 &lt;?php render_driver_card($driver); ?&gt;</pre
```

Screenshot of checking if filters are used and html

## Checklist Items (0)



A screenshot of a code editor showing the same PHP file `driver_associations.php`. The code is identical to the previous screenshot, but the line `<?php render_driver_card($driver); //ak2774, 4/29/24?>` is highlighted in blue, indicating it is the current point of interest.

```
public_html > Project > admin > driver_associations.php > ...
222 <div class="container-fluid">
223     <h3>Associated Drivers</h3>
224     <div>
225         <?php if ($remove) : ?>
226             <a class="btn btn-danger" href="php echo get_url('remove_all.php?' . http_build_query($_GET)); ?&gt;" class="card-link"&gt;Remove All&lt;/a&gt;
227         &lt;?php endif; ?&gt;
228     &lt;/div&gt;
229     &lt;form method="GET"&gt;
230         &lt;div class="row mb-3" style="align-items: flex-end;"&gt;
231             &lt;?php foreach ($form as $k =&gt; $v) : ?&gt;
232                 &lt;div class="col col-2"&gt;
233                     &lt;?php render_input($v); ?&gt;
234                 &lt;/div&gt;
235             &lt;?php endforeach; ?&gt;
236         &lt;/div&gt;
237         &lt;?php render_button(["text" =&gt; "Search", "type" =&gt; "submit", "text" =&gt; "Filter"]); ?&gt;
238         &lt;a href="#?clear" class="btn btn-secondary"&gt;Clear&lt;/a&gt;
239     &lt;/form&gt;
240     &lt;?php render_result_counts(count($results), $total_records); ?&gt;
241     &lt;div class="row w-100 row-cols-auto row-cols-sm-1 row-cols-md-2 row-cols-lg-3 row-cols-xl-4 row-cols-xxl-5 g-4"&gt;
242         &lt;?php foreach ($results as $driver) : ?&gt;
243             &lt;div class="col"&gt;
244                 &lt;?php render_driver_card($driver); //ak2774, 4/29/24?&gt;
245             &lt;/div&gt;
246         &lt;?php endforeach; ?&gt;
247         &lt;?php if (count($results) === 0) : ?&gt;
248             &lt;div class="col"&gt;
249                 No results to show
250             &lt;/div&gt;
251         &lt;?php endif; ?&gt;
252     &lt;/div&gt;
253 &lt;/div&gt;</pre
```

Screenshot of html

**Checklist Items (0)****Task #3 - Points: 1****Text:** Explain the solution**Checklist****\*The checkboxes are for your own tracking**

#	Points	Details
<input type="checkbox"/> #1	1	Mention how you determine the result list (include the association logic and filters)
<input type="checkbox"/> #2	1	Mention the logic behind the two counts (total items and visible result count)
<input type="checkbox"/> #3	1	Mention the logic for single delete
<input type="checkbox"/> #4	1	Mention the logic for handling the username requirements

**Response:**

The result list is determined by the filters, where you can see that each filter has an empty check and if it is not empty, it is added to the query, which will get the correct results. The total items count gets the total count from the UserDrivers page for all items in total. The other count is the total number of items that match the filter criteria and that is gotten by after the query is done and results are set. Single delete is a button on each card that is linked to remove\_driver.php, where it checks the user id and the driver id and only deletes the item which has both matching. The username requirements is done by partially matching usernames for the search criteria and for the name on each card, that is gotten by matching the user id in this table to the Users table using SQL JOIN.

**Task #4 - Points: 1****Text:** Add related links**Checklist****\*The checkboxes are for your own tracking**

#	Points	Details
<input type="checkbox"/> #1	1	Include the heroku prod link for the page that creates the association
<input type="checkbox"/> #2	1	Add the pull request link for the branch related to this feature Note: the link should end with /pull/#. Same pull request shouldn't be used for each feature

**URL #1**[https://ak2774-prod-76402b453c05.herokuapp.com/Project/admin/driver\\_associations.php](https://ak2774-prod-76402b453c05.herokuapp.com/Project/admin/driver_associations.php)**URL #2**<https://github.com/abhinavkarthikn/ak2774-it202-008/pull/86>**Unassociated Page (2 pts.)****^COLLAPSE ^****Task #1 - Points: 1****Text:** Screenshots of this page**^COLLAPSE ^**

## Checklist

\*The checkboxes are for your own tracking

#	Points	Details
<input type="checkbox"/> #1	1	Show the summary of the results with relevant information per entity
<input type="checkbox"/> #2	1	Show the single view buttons/links
<input type="checkbox"/> #3	1	Show variations of the number of shown items count and show the count of total number of associated items
<input type="checkbox"/> #4	1	Show variations of the filter/sort including no results (proper message should be visible)
<input type="checkbox"/> #5	1	Make sure the heroku dev url is visible in the address bar
<input type="checkbox"/> #6	1	Clearly caption screenshots

## Task Screenshots:

### Gallery Style: Large View

Small

Medium

Large

The screenshot shows a web application interface for managing drivers. At the top, there's a navigation bar with links for Home, Profile, Drivers, My Drivers, Available Drivers, Roles, Driver Management, and Logout. Below the navigation is a search/filter section titled 'Available Drivers' with fields for Name, Country, Driver #, Min GPs, Max GPs, Min WCs, Max WCs, Min Wins, Max Wins, Min Podiums, Max Podiums, Min Points, Max Points, Sort Order, and Limit (set to 10). There are also 'Filter' and 'Clear' buttons. The main content area displays five driver profiles in large view, each with a portrait, name, driver number, birthdate, country, and GPs entered. The drivers shown are Fernando Alonso, Lewis Hamilton, Sebastian Vettel, Sergio Perez, and Daniel Ricciardo.

Name	Country	Driver #	Min GPs	Max GPs	Min WCs
Fernando Alonso	Spain	14	10	10	1
Lewis Hamilton	United Kingdom	44	10	10	1
Sebastian Vettel	Germany	5	10	10	1
Sergio Perez	Mexico	11	10	10	1
Daniel Ricciardo	Australia	3	10	10	1

Screenshot of available drivers page

## Checklist Items (0)

This screenshot is identical to the one above it, showing the 'Available Drivers' page with five driver profiles in large view. The layout includes the navigation bar, filter section, and driver details table.

**Fernando Alonso**

Driver Number: 14

Birthdate: 1981-07-29

Country: Spain

GPs Entered: 384

World Championships: 2

Wins: 32

Podiums: 106

Career Points: 2291.00

[Add Driver](#) [View Driver](#)**Lewis Hamilton**

Driver Number: 44

Birthdate: 1985-01-07

Country: United Kingdom

GPs Entered: 336

World Championships: 7

Wins: 103

Podiums: 197

Career Points: 4649.50

[Add Driver](#) [View Driver](#)**Sebastian Vettel**

Driver Number: 5

Birthdate: 1987-07-03

Country: Germany

GPs Entered: 299

World Championships: 4

Wins: 53

Podiums: 122

Career Points: 3097.00

[Add Driver](#) [View Driver](#)**Sergio Perez**

Driver Number: 11

Birthdate: 1990-01-26

Country: Mexico

GPs Entered: 262

World Championships: 0

Wins: 6

Podiums: 38

Career Points: 1550.00

[Add Driver](#) [View Driver](#)**Daniel Ricciardo**

Driver Number: 3

Birthdate: 1989-07-01

Country: Australia

GPs Entered: 243

World Championships: 0

Wins: 8

Podiums: 32

Career Points: 1317.00

[Add Driver](#) [View Driver](#)

### Screenshot of add and view button on each page

#### Checklist Items (0)

Screenshot of the SpeedsterStats application showing the Available Drivers page. The page includes a header with navigation links (Home, Profile, Drivers, My Drivers, Available Drivers, Roles, Driver Management, Logout) and a title bar with a URL and search bar.

The main area displays a table titled "Available Drivers" with columns for Name, Country, Driver #, Min GPs, Max GPs, and Min WCs. There are input fields for filtering these columns. Below the table, there are buttons for "Filter" and "Clear". At the bottom left, it says "Result: 26/26".

Name	Country	Driver #	Min GPs	Max GPs	Min WCs
Name	Country	Driver #	Min GPs	Max GPs	Min WCs
Max WCs	Min Wins	Max Wins	Min Podiums	Max Podiums	Min Points
Max WCs	Min Wins	Max Wins	Min Podiums	Max Podiums	Min Points
Max Points	Sort	Order	Limit		
Max Points	GPs	*	26		

### Screenshot of all results showing with no filters

#### Checklist Items (0)

Screenshot of results count changing

SpeedsterStats Home Profile Drivers My Drivers Available Drivers Roles Driver Management Logout

### Available Drivers

Name	Country	Driver #	Min GPs	Max GPs	Min WCs
Name	Country	Driver #	Min GPs	Max GPs	Min WCs
Max WCs	Min Wins	Max Wins	Min Podiums	Max Podiums	Min Points
Max WCs	Min Wins	Max Wins	Min Podiums	Max Podiums	Min Points
Max Points	Sort	Order	Limit		
Max Points	GPs	+ ↘	10		

Filter Clear

Results: 10/26

The screenshot shows a search interface for drivers. The results count has been changed from the default 26 to 10. The search criteria remain the same: Max WCs, Min Wins, Max Wins, Min Podiums, Max Podiums, and Min Points.

### Checklist Items (0)

Screenshot of no results message

SpeedsterStats Home Profile Drivers My Drivers Available Drivers Roles Driver Management Logout

### Available Drivers

Name	Country	Driver #	Min GPs	Max GPs	Min WCs
Name	Country	Driver #	Min GPs	Max GPs	8
Max WCs	Min Wins	Max Wins	Min Podiums	Max Podiums	Min Points
Max WCs	Min Wins	Max Wins	Min Podiums	Max Podiums	Min Points
Max Points	Sort	Order	Limit		
Max Points	GPs	+ ↘	10		

Filter Clear

Results: 0/26  
No results to show

The screenshot shows a search interface for drivers. The results count has been changed from 10 back to 0, resulting in no results being displayed. The search criteria remain the same: Max WCs, Min Wins, Max Wins, Min Podiums, Max Podiums, and Min Points.

### Checklist Items (0)

Task #2 - Points: 1

Text: Screenshot the code



## Checklist

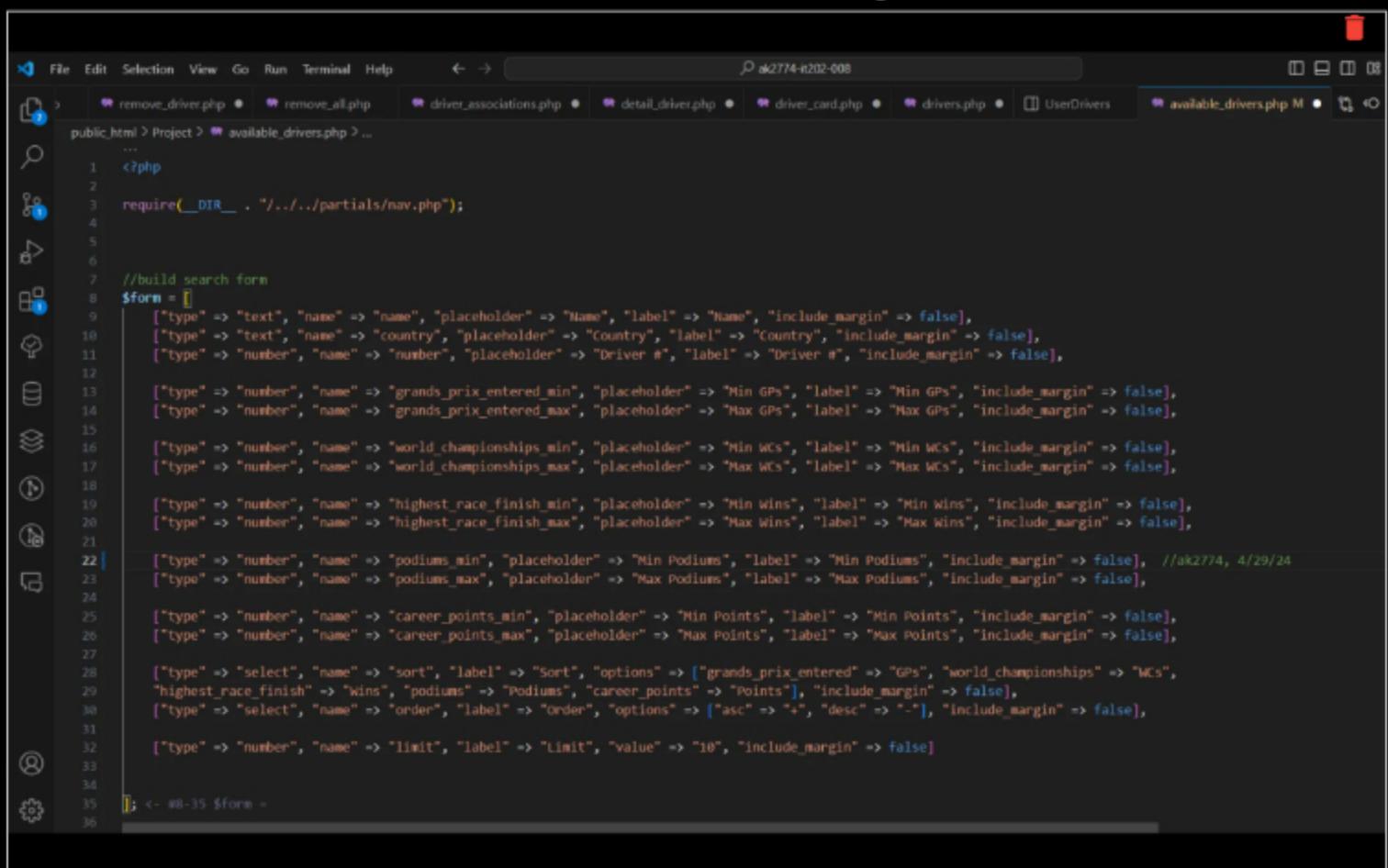
\*The checkboxes are for your own tracking

#	Points	Details
<input type="checkbox"/> #1	1	Show the code related to fetching all unassociated entities (including the query)
<input type="checkbox"/> #2	1	Show the code related to the display of the results
<input type="checkbox"/> #3	1	Each record should have a button/link for single view
<input type="checkbox"/> #4	1	Show the logic related to the count of all unassociated items (even the ones not shown in the filtered results)
<input type="checkbox"/> #5	1	Show the logic related to the count of the items on the page (this value should change based on the filter applied)
<input type="checkbox"/> #6	1	Show the logic related to filter/sort (should include a partial match for username ) (limit should be constrained to 1-100 otherwise default to 10)
<input type="checkbox"/> #7	1	Include ucid/date comments for each code screenshot
<input type="checkbox"/> #8	1	Clearly caption screenshots

Task Screenshots:

Gallery Style: Large View

Small      Medium      Large



```

public_html > Project > available_drivers.php > ...
...
1  <?php
2
3  require(__DIR__ . "/../../partials/nav.php");
4
5
6
7 //build search form
8 $form = [
9   ["type" => "text", "name" => "name", "placeholder" => "Name", "label" => "Name", "include_margin" => false],
10  ["type" => "text", "name" => "country", "placeholder" => "Country", "label" => "Country", "include_margin" => false],
11  ["type" => "number", "name" => "number", "placeholder" => "Driver #", "label" => "Driver #", "include_margin" => false],
12
13  ["type" => "number", "name" => "grands_prix_entered_min", "placeholder" => "Min GPs", "label" => "Min GPs", "include_margin" => false],
14  ["type" => "number", "name" => "grands_prix_entered_max", "placeholder" => "Max GPs", "label" => "Max GPs", "include_margin" => false],
15
16  ["type" => "number", "name" => "world_championships_min", "placeholder" => "Min WCS", "label" => "Min WCS", "include_margin" => false],
17  ["type" => "number", "name" => "world_championships_max", "placeholder" => "Max WCS", "label" => "Max WCS", "include_margin" => false],
18
19  ["type" => "number", "name" => "highest_race_finish_min", "placeholder" => "Min Wins", "label" => "Min Wins", "include_margin" => false],
20  ["type" => "number", "name" => "highest_race_finish_max", "placeholder" => "Max Wins", "label" => "Max Wins", "include_margin" => false],
21
22  ["type" => "number", "name" => "podiums_min", "placeholder" => "Min Podiums", "label" => "Min Podiums", "include_margin" => false], //ak2774, 4/29/24
23  ["type" => "number", "name" => "podiums_max", "placeholder" => "Max Podiums", "label" => "Max Podiums", "include_margin" => false],
24
25  ["type" => "number", "name" => "career_points_min", "placeholder" => "Min Points", "label" => "Min Points", "include_margin" => false],
26  ["type" => "number", "name" => "career_points_max", "placeholder" => "Max Points", "label" => "Max Points", "include_margin" => false],
27
28  ["type" => "select", "name" => "sort", "label" => "Sort", "options" => ["grands_prix_entered" => "GPs", "world_championships" => "WCS",
29  "highest_race_finish" => "Wins", "podiums" => "Podiums", "career_points" => "Points"], "include_margin" => false],
30  ["type" => "select", "name" => "order", "label" => "Order", "options" => ["asc" => "+", "desc" => "-"], "include_margin" => false],
31
32  ["type" => "number", "name" => "limit", "label" => "Limit", "value" => "10", "include_margin" => false]
33
34
35 ]; <- 48-35 $form =
36

```

Screenshot of filter form

Checklist Items (0)

```
remove_driver.php • remove_all.php • driver_associations.php • detail_driver.php • driver_card.php • drivers.php • UserDrivers • available_drivers.php M •
public_html > Project > available_drivers.php > ...
36
37 $total_records = get_total_count("Drivers` d WHERE d.id NOT IN (SELECT driver_id FROM `UserDrivers`)");
38
39
40 $query = "SELECT d.id, name, image, abbr, country, birthdate, number, grands_prix_entered, world_championships, podiums, highest_race_finish,
41 career_points FROM `Drivers` d
42 WHERE d.id NOT IN (SELECT driver_id FROM `UserDrivers`)"
43
44 UNION
45 SELECT c.id, name, image, abbr, country, birthdate, number, grands_prix_entered, world_championships, podiums, highest_race_finish, career_points FROM `Drivers` c
46 JOIN `UserDrivers` ud ON c.id=ud.driver_id WHERE ud.is_active=0";
47 $params = [];
48 $session_key = $_SERVER["SCRIPT_NAME"];
49 $is_clear = isset($_GET["clear"]);
50 if($is_clear){
51     session_delete($session_key); //ak2774, 4/29/24
52     unset($_GET["clear"]);
53     redirect($session_key);
54 } <- #48-52 if($is_clear)
55 else{
56     $session_data = session_load($session_key);
57 }
58 if (count($_GET) == 0 && !isset($session_data) && count($session_data) > 0) {
59     if ($session_data) {
60         $_GET = $session_data;
61     }
62 } <- #57-61 if (count($_GET) == 0 && !isset($session_data) && count($sessi...
63
64
65
66 session_save($session_key, $_GET);
67 $keys = array_keys($_GET);
68
69 foreach ($form as $k => $v) {
70     if (in_array($v["name"], $keys)) {
71         $form[$k]["value"] = $_GET[$v["name"]];
72     }
}

```

### Screenshot of query

## Checklist Items (0)

```
remove_driver.php • remove_all.php • driver_associations.php • detail_driver.php • driver_card.php • drivers.php • UserDrivers • available_drivers.php M •
public_html > Project > available_drivers.php > ...
74     $name = se($_GET, "name", "", false);
75     if (!empty($name)) {
76         $query .= " AND name LIKE :name";
77         $params[":name"] = "%$name%";
78     }
79     $nationality = se($_GET, "nationality", "", false);
80     if (!empty($nationality)) {
81         $query .= " AND nationality LIKE :nationality";
82         $params[":nationality"] = "%$nationality%";
83     }
84     $country = se($_GET, "country", "", false);
85     if (!empty($country)) {
86         $query .= " AND country LIKE :country";
87         $params[":country"] = "%$country%";
88     }
89     $number = se($_GET, "number", "-1", false);
90     if (!empty($number) && $number > -1) {
91         $query .= " AND number = :number";
92         $params[":number"] = $number;
93     }
//gp's range
94     $grands_prix_entered_min = se($_GET, "grands_prix_entered_min", "-1", false);
95     if (!empty($grands_prix_entered_min) && $grands_prix_entered_min > -1) {
96         $query .= " AND grands_prix_entered >=:grands_prix_entered_min";
97         $params[":grands_prix_entered_min"] = $grands_prix_entered_min;
98     }
99     $grands_prix_entered_max = se($_GET, "grands_prix_entered_max", "-1", false); //ak2774, 4/29/24
100    if (!empty($grands_prix_entered_max) && $grands_prix_entered_max > -1) {
101        $query .= " AND grands_prix_entered <=:grands_prix_entered_max";
102        $params[":grands_prix_entered_max"] = $grands_prix_entered_max;
103    }
104    if($grands_prix_entered_min > $grands_prix_entered_max && !empty($grands_prix_entered_min) && !empty($grands_prix_entered_max)){
105        flash("Min GPS must be less than Max GPS", "warning");
106    }
107 }
```

### Screenshot of query building part 1

## Checklist Items (0)

```

109 //wcs range
110 $world_championships_min = se($_GET, "world_championships_min", "-1", false);
111 if (!empty($world_championships_min) && $world_championships_min > -1) {
112     $query .= " AND world_championships >= :world_championships_min";
113     $params[":world_championships_min"] = $world_championships_min;
114 }
115 $world_championships_max = se($_GET, "world_championships_max", "-1", false);
116 if (!empty($world_championships_max) && $world_championships_max > -1) {
117     $query .= " AND world_championships <= :world_championships_max";
118     $params[":world_championships_max"] = $world_championships_max;
119 }
120 if ($world_championships_min > $world_championships_max && !empty($world_championships_min) && !empty($world_championships_max)){
121     flash("Min WCS must be less than Max WCS", "warning");
122 }

123 //wins range
124 $highest_race_finish_min= se($_GET, "highest_race_finish_min", "-1", false);
125 if(!empty($highest_race_finish_min) && $highest_race_finish_min > -1){
126     $query .= " AND highest_race_finish >= :highest_race_finish_min";
127     $params[":highest_race_finish_min"] = $highest_race_finish_min;
128 }
129 $highest_race_finish_max= se($_GET, "highest_race_finish_max", "-1", false); //ak2774, 4/29/24
130 if(!empty($highest_race_finish_max) && $highest_race_finish_max > -1){
131     $query .= " AND highest_race_finish <= :highest_race_finish_max";
132     $params[":highest_race_finish_max"] = $highest_race_finish_max;
133 }
134 if ($highest_race_finish_min > $highest_race_finish_max && !empty($highest_race_finish_min) && !empty($highest_race_finish_max)){
135     flash("Min Wins must be less than Max Wins", "warning");
136 }
137 }

138 //podiums range
139 $podiums_min = se($_GET, "podiums_min", "-1", false);
140 if (!empty($podiums_min) && $podiums_min > -1) {
141     $query .= " AND podiums >= :podiums_min";
142     $params[":podiums_min"] = $podiums_min;
143 }

```

Screenshot of query building part 2

## Checklist Items (0)

```

145 $podiums_max = se($_GET, "podiums_max", "-1", false);
146 if (!empty($podiums_max) && $podiums_max > -1) {
147     $query .= " AND podiums <= :podiums_max";
148     $params[":podiums_max"] = $podiums_max;
149 }
150 if ($podiums_min > $podiums_max && !empty($podiums_min) && !empty($podiums_max)){
151     flash("Min Podiums must be less than Max Podiums", "warning");
152 }

153 //points range
154 $career_points_min = se($_GET, "career_points_min", "-1", false);
155 if (!empty($career_points_min) && $career_points_min > -1) {
156     $query .= " AND career_points >= :career_points_min";
157     $params[":career_points_min"] = $career_points_min;
158 }
159 $career_points_max = se($_GET, "career_points_max", "-1", false); //ak2774, 4/29/24
160 if (!empty($career_points_max) && $career_points_max > -1) {
161     $query .= " AND career_points <= :career_points_max";
162     $params[":career_points_max"] = $career_points_max;
163 }
164 if ($career_points_min > $career_points_max && !empty($career_points_min) && !empty($career_points_max)){
165     flash("Min Points must be less than Max Points", "warning");
166 }
167 }

168 //sort and order
169 $sort = se($_GET, "sort", "grands_prix_entered", false);
170 if (!in_array($sort, ["grands_prix_entered", "world_championships", "highest_race_finish", "podiums", "career_points"])){
171     $sort = "grands_prix_entered";
172 }
173 $order = se($_GET, "order", "desc", false);
174 if (!in_array($order, ["asc", "desc"])){
175     $order = "desc";
176 }
177 $query .= " ORDER BY $sort $order";

```

Screenshot of query building part 3

## Checklist Items (0)

```
remove_driver.php remove_all.php driver_associations.php detail_driver.php driver_card.php drivers.php UserDrivers available_drivers.php M +C

public_html > Project > available_drivers.php > ...

181     try {
182         $limit = (int) $_GET['limit', '10', false];
183     } catch (Exception $e) {
184         $limit = 10;
185     }
186     if ($limit < 1 || $limit > 100) {
187         $limit = 10;
188     }
189
190     $query .= " LIMIT $limit";
191
192
193
194
195
196     $db = getDB();
197     $stmt = $db->prepare($query);
198     $results = [];
199     try {
200         $stmt->execute($params);
201         $r = $stmt->fetchAll();
202         if ($r) {
203             $results = $r;
204         }
205     } catch (PDOException $e) {
206         error_log("Error fetching drivers " . var_export($e, true)); //ak2774, 4/29/24
207         flash("Unhandle error occurred ", "danger");
208     }
209
210     $table = ["data" => $results, "title" => "All Drivers", "ignored_columns" => ["id"],
211     "view_url" => get_url("driver.php")
212 ];
213 ?>
```

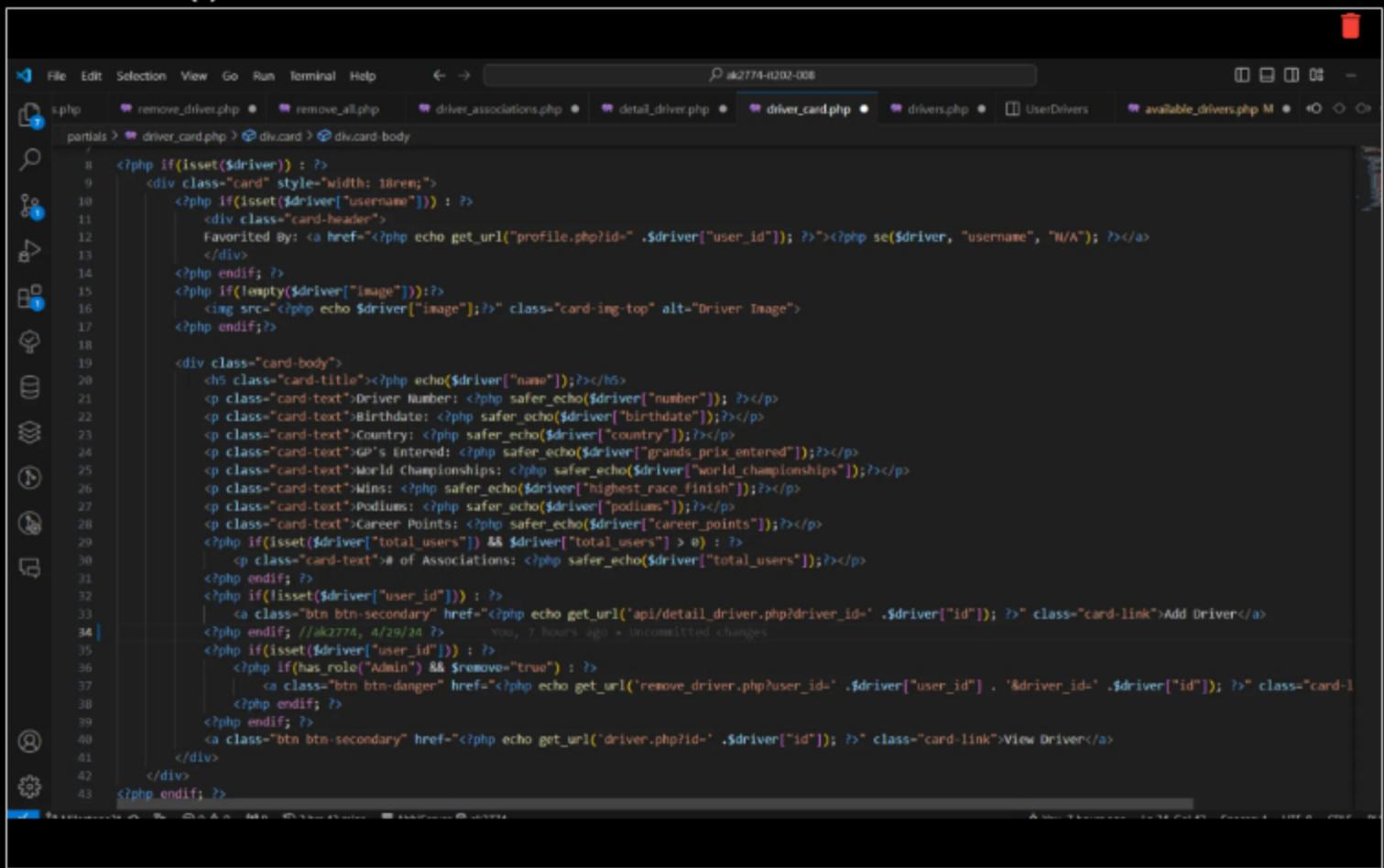
Screenshot of fetching

## Checklist Items (0)

```
214 <div class="container-fluid">
215     <h3>Available Drivers</h3>
216     <form method="GET" onsubmit="return validate(this);">
217         <div class="row mb-3" style="align-items: flex-end;">
218
219             <?php foreach ($form as $k => $v) : ?>
220                 <div class="col col-2">
221                     <?php render_input($v); ?>
222                 </div>
223             <?php endforeach; ?>
224
225
226             </div>
227             <?php render_button(["text" => "Search", "type" => "submit", "text" => "Filter"]); ?>
228             <a href="?clear" class="btn btn-secondary">Clear</a>
229         </form>
230         <?php render_result_counts(count($results), $total_records); //ak2774, 4/29/24 ?>
231         <div class="row w-100 row-cols-auto row-cols-sm-1 row-cols-md-2 row-cols-lg-3 row-cols-xl-4 row-cols-xxl-5 g-4">
232             <?php foreach ($results as $driver) : ?>
233                 <div class="col">
234                     <?php render_driver_card($driver); ?>
235                 </div>
236             <?php endforeach; ?>
237             <?php if(count($results)==0): ?>
238                 <div class="col">
239                     No results to show
240                 </div>
241             <?php endif; ?>
242         </div>
243     </div>
244
245
```

Screenshot of html

## Checklist Items (0)



A screenshot of a code editor showing a PHP file named 'driver\_card.php'. The code is a template for displaying a driver's profile. It includes sections for the driver's name, number, birthdate, country, GP's Entered, World Championships, highest race finish, podiums, career points, and total users. It also includes logic for adding associations and viewing the driver. The code uses Bootstrap classes for styling.

```
<?php if(isset($driver)) : ?>
    <div class="card" style="width: 18rem;">
        <?php if(isset($driver["username"])) : ?>
            <div class="card-header">
                Favorited By: <a href=<?php echo get_url("profile.php?id=" . $driver["user_id"]); ?>><?php se($driver, "username", "N/A"); ?></a>
            </div>
        <?php endif; ?>
        <?php If(!empty($driver["image"])):>
            <img src=<?php echo $driver["image"]; ?> class="card-img-top" alt="Driver Image">
        <?php endif;?>

        <div class="card-body">
            <h5 class="card-title"><?php echo($driver["name"]); ?></h5>
            <p class="card-text">Driver Number: <?php safer_echo($driver["number"]); ?></p>
            <p class="card-text">Birthdate: <?php safer_echo($driver["birthdate"]); ?></p>
            <p class="card-text">Country: <?php safer_echo($driver["country"]); ?></p>
            <p class="card-text">GP's Entered: <?php safer_echo($driver["grands_prix_entered"]); ?></p>
            <p class="card-text">World Championships: <?php safer_echo($driver["world_championships"]); ?></p>
            <p class="card-text">Wins: <?php safer_echo($driver["highest_race_finish"]); ?></p>
            <p class="card-text">Podiums: <?php safer_echo($driver["podiums"]); ?></p>
            <p class="card-text">Career Points: <?php safer_echo($driver["career_points"]); ?></p>
            <?php If(isset($driver["total_users"]) && $driver["total_users"] > 0) : ?>
                <p class="card-text"># of Associations: <?php safer_echo($driver["total_users"]); ?></p>
            <?php endif; ?>
            <?php if(!isset($driver["user_id"])) : ?>
                <a class="btn btn-secondary" href=<?php echo get_url('api/detail_driver.php?driver_id=' . $driver["id"]); ?>> class="card-link">Add Driver</a>
            <?php endif; //atk2774, 4/29/24 ?> You, 7 hours ago * uncommitted changes
            <?php if(isset($driver["user_id"])) : ?>
                <?php if(has_role("Admin") && $remove=true) : ?>
                    <a class="btn btn-danger" href=<?php echo get_url('remove_driver.php?user_id=' . $driver["user_id"] . '&driver_id=' . $driver["id"]); ?>> class="card-link">Remove</a>
                <?php endif; ?>
                <a class="btn btn-secondary" href=<?php echo get_url('driver.php?id=' . $driver["id"]); ?>> class="card-link">View Driver</a>
            </div>
        </div>
    </?php endif; ?>
```

### Screenshot of driver card

## Checklist Items (0)

### Task #3 - Points: 1

Text: Explain the solution

#### Checklist

\*The checkboxes are for your own tracking

#	Points	Details
<input type="checkbox"/> #1	1	Mention how you determine the result list (include the unassociated logic and filters)
<input type="checkbox"/> #2	1	Mention the logic behind the two counts (total items and visible result count)

#### Response:

The result list is determined by the filters. When a filter is entered, it is added to the query and the query sorts the database using all the queries that are added and gives the list after it is sorted. It also ignores all the items in UserDrivers table where is\_active is 1 because those are the ones that are associated with users. The total items count is all the items in the Drivers table which don't have is\_active=1 in the UserDrivers table and the visible result count is determined by the items that are left after the filters are checked and the query is run.

### Task #4 - Points: 1

Text: Add related links

## Checklist

\*The checkboxes are for your own tracking

#	Points	Details
<input type="checkbox"/> #1	1	Include the heroku prod link for the page that creates the association
<input type="checkbox"/> #2	1	Add the pull request link for the branch related to this feature Note: the link should end with /pull/#. Same pull request shouldn't be used for each feature

### URL #1

[https://ak2774-prod-76402b453c05.herokuapp.com/Project/available\\_drivers.php](https://ak2774-prod-76402b453c05.herokuapp.com/Project/available_drivers.php)

### URL #2

<https://github.com/abhinavkarthikn/ak2774-it202-008/pull/79>

## Admin Association Management (like UserRoles) (1 pt.)

[^COLLAPSE ^](#)

### Task #1 - Points: 1

Text: Screenshots of the page

## Checklist

\*The checkboxes are for your own tracking

#	Points	Details
<input type="checkbox"/> #1	1	Show the search form with valid data
<input type="checkbox"/> #2	1	Show the results of the search
<input type="checkbox"/> #3	1	Show the result of entities and users being associated and unassociated
<input type="checkbox"/> #4	1	Make sure the heroku dev url is visible in the address bar
<input type="checkbox"/> #5	1	Clearly caption screenshots

Task Screenshots:

Gallery Style: Large View

Small

Medium

Large

The screenshot shows a web browser window with the URL [https://ak2774-dev-f660064fb52c.herokuapp.com/Project/admin/associate\\_drivers.php](https://ak2774-dev-f660064fb52c.herokuapp.com/Project/admin/associate_drivers.php). The page title is "Associate Users to Drivers". At the top, there is a navigation bar with links: SpeedsterStats, Home, Profile, Drivers, My Drivers, Available Drivers, Roles, Driver Management, and Logout. Below the navigation bar, there is a search bar containing the word "Search". Underneath the search bar, there are two input fields: one for "User" containing "abhi" and another for "Driver" containing "lewis".

## Screenshot of page with valid data

### Checklist Items (0)

The screenshot shows a web application interface for managing drivers. At the top, there is a navigation bar with links for Home, Profile, Drivers, My Drivers, Available Drivers, Roles, Driver Management, and Logout. Below the navigation bar, the title "Associate Users to Drivers" is displayed. A search bar contains the names "abhi" and "lewis". A "Search" button is located below the search bar. The main content area is divided into two sections: "Users" on the left and "Drivers to Assign" on the right. The "Users" section lists several user entries, each preceded by a checkbox. The "Drivers to Assign" section lists a single driver entry, also preceded by a checkbox. At the bottom of the page is a "Assign Drivers" button.

## Screenshot of search result

### Checklist Items (0)

The screenshot shows the same web application interface as the previous screenshot. The title "Associate Users to Drivers" is visible. A success message "Assigned driver to user" is displayed in a green box. The search bar now contains the name "lewis". The "Search" button is present. The "Users" and "Drivers to Assign" sections are identical to the previous screenshot, showing the same list of users and drivers with checkboxes. The "Assign Drivers" button is at the bottom.

<input type="checkbox"/> abhi02
<input type="checkbox"/> abhi2
<input type="checkbox"/> abhi3
<input type="checkbox"/> abhikart02
<input type="checkbox"/> abhinav

**Assign Drivers**

### Screenshot of user being associated

#### Checklist Items (0)

Untitled driver to user

**Associate Users to Drivers**

Search

Users	Drivers to Assign
<input type="checkbox"/> abhi	<input type="checkbox"/> Lewis Hamilton
<input type="checkbox"/> abhi02	
<input type="checkbox"/> abhi2	
<input type="checkbox"/> abhi3	
<input type="checkbox"/> abhikart02	
<input type="checkbox"/> abhinav	

**Assign Drivers**

### Screenshot of user being unassociated

#### Checklist Items (0)

**Task #2 - Points: 1**  
**Text: Screenshots of the code**

Checklist			*The checkboxes are for your own tracking
#	Points	Details	
<input type="checkbox"/> #1	1	Search form field for finding a partial match of usernames	
<input type="checkbox"/> #2	1	Search form field for finding a partial match of entities	

<input type="checkbox"/> #3	1	Code related to getting a max of 25 results for each field (i.e., 25 users and 25 entities limit)
<input type="checkbox"/> #4	1	Code that generates the checkboxes next to each list (users and entities)
<input type="checkbox"/> #5	1	Code related to submitting the checkbox lists
<input type="checkbox"/> #6	1	Code related to applying the associations upon submission (i.e., add the relationship if it doesn't exist and remove the relationship if it does exist)
<input type="checkbox"/> #7	1	Include ucid/date comments for each code screenshot
<input type="checkbox"/> #8	1	Clearly caption screenshots

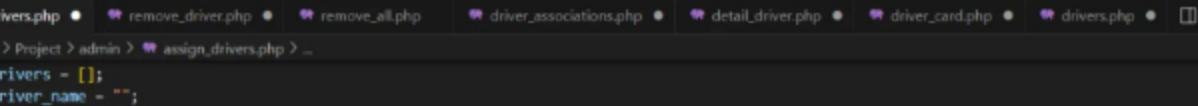
## Task Screenshots:

### Gallery Style: Large View

**Small      Medium      Large**

## Screenshot of admin check and query

## Checklist Items (0)



The screenshot shows a browser window with the URL `ak2774-it202-008`. The page displays a list of PHP files in a directory structure: `public_html > Project > admin > assign_drivers.php`. The file `assign_drivers.php` is currently selected. The code editor shows the following PHP script:

```
36 $drivers = [];
37 $driver_name = "";
38
39 if (isset($_POST["driver_name"])){
40     $driver_name = $_POST["driver_name"];
41     if(!empty($driver_name)){
42         $db=getDB();
43         $stmt = $db->prepare("SELECT id, name FROM Drivers WHERE name LIKE :driver_name LIMIT 25");
44         try{
45             $stmt->execute(":driver_name" => "%$driver_name%");
46             $results=$stmt->fetchAll(PDO::FETCH_ASSOC);
47             if($results){
48                 $drivers=$results;
49             }
50         }
```

```

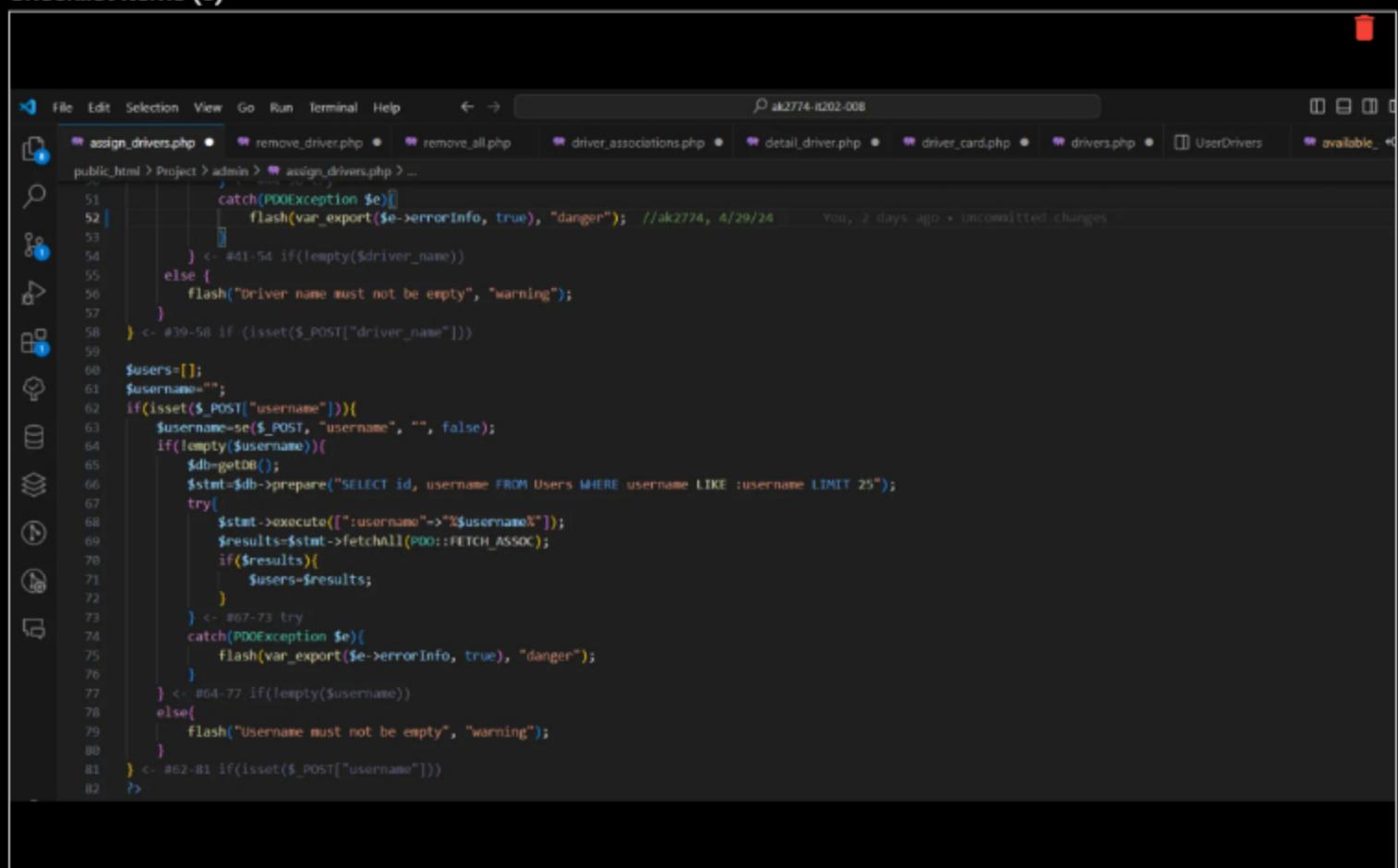
50     } <- #44-50 try
51     catch(PDOException $e){
52         flash(var_export($e->errorInfo, true), "danger"); //ak2774, 4/29/24
53     }
54     } <- #41-54 if(!empty($driver_name))
55     else {
56         flash("Driver name must not be empty", "warning");
57     }
58 } <- #39-58 if (isset($_POST["driver_name"]))

59
60 $users=[];
61 $username="";
62 if(isset($_POST["username"])){
63     $username=se($_POST, "username", "", false);
64     if(!empty($username)){
65         $db=getDB();
66         $stmt=$db->prepare("SELECT id, username FROM Users WHERE username LIKE :username LIMIT 25");
67         try{
68             $stmt->execute([":username"=>"%$username%"]);
69             $results=$stmt->fetchAll(PDO::FETCH_ASSOC);
70             if($results){
71                 $users=$results;
72             }
73         } <- #67-73 try
74         catch(PDOException $e){
75             flash(var_export($e->errorInfo, true), "danger");
76         }
77     } <- #64-77 if(!empty($username))
78     else{
79         flash("Username must not be empty", "warning");
80     }
81 } <- #62-81 if(isset($_POST["username"]))
82 ?>

```

### Screenshot of driver name search and username search

#### Checklist Items (0)



```

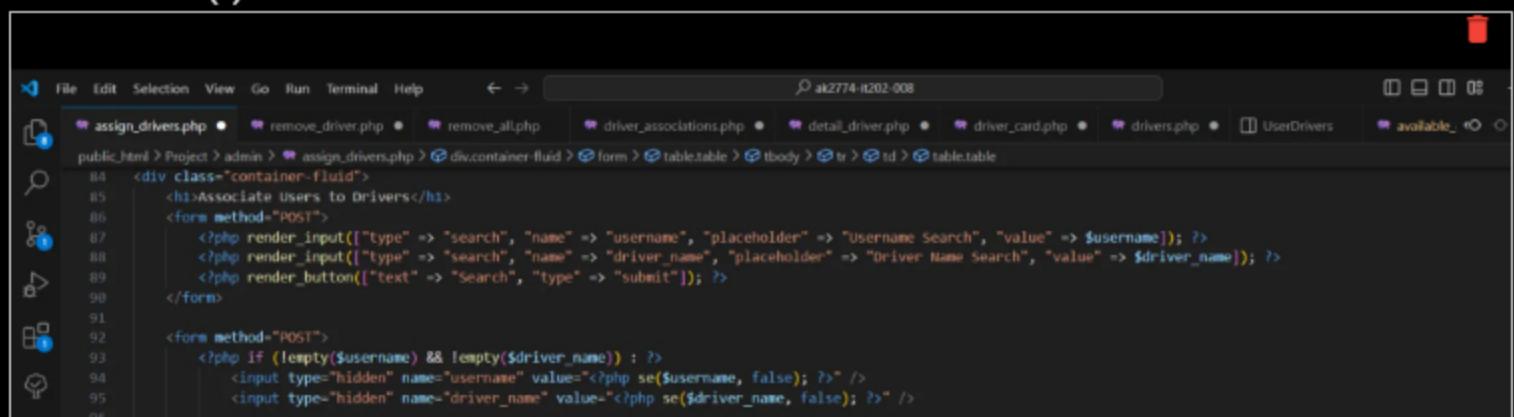
File Edit Selection View Go Run Terminal Help ← → ⌂ ak2774-it202-008
public_html > Project > admin > assign_drivers.php > ...
51     catch(PDOException $e){
52         flash(var_export($e->errorInfo, true), "danger"); //ak2774, 4/29/24
53     }
54     } <- #41-54 if(!empty($driver_name))
55     else {
56         flash("Driver name must not be empty", "warning");
57     }
58 } <- #39-58 if (isset($_POST["driver_name"]))

59
60 $users=[];
61 $username="";
62 if(isset($_POST["username"])){
63     $username=se($_POST, "username", "", false);
64     if(!empty($username)){
65         $db=getDB();
66         $stmt=$db->prepare("SELECT id, username FROM Users WHERE username LIKE :username LIMIT 25");
67         try{
68             $stmt->execute([":username"=>"%$username%"]);
69             $results=$stmt->fetchAll(PDO::FETCH_ASSOC);
70             if($results){
71                 $users=$results;
72             }
73         } <- #67-73 try
74         catch(PDOException $e){
75             flash(var_export($e->errorInfo, true), "danger");
76         }
77     } <- #64-77 if(!empty($username))
78     else{
79         flash("Username must not be empty", "warning");
80     }
81 } <- #62-81 if(isset($_POST["username"]))
82 ?>

```

### Screenshot of rest of username search

#### Checklist Items (0)



```

File Edit Selection View Go Run Terminal Help ← → ⌂ ak2774-it202-008
public_html > Project > admin > assign_drivers.php > div.container-fluid > form > table.table > tbody > tr > td > table.table
84 <div class="container-fluid">
85     <h3>Associate users to Drivers</h3>
86     <form method="POST">
87         <?php render_input(["type" => "search", "name" => "username", "placeholder" => "Username Search", "value" => $username]; ?>
88         <?php render_input(["type" => "search", "name" => "driver_name", "placeholder" => "Driver Name Search", "value" => $driver_name]; ?>
89         <?php render_button(["text" => "Search", "type" => "submit"]); ?>
90     </form>
91
92     <form method="POST">
93         <?php if (empty($username) && empty($driver_name)) : ?>
94             <input type="hidden" name="username" value=<?php se($username, false); ?>" />
95             <input type="hidden" name="driver_name" value=<?php se($driver_name, false); ?>" />

```

## Screenshot of html part 1

### Checklist Items (0)

## Screenshot of html part 2

## Checklist Items (0)

### Task #3 - Points: 1

### **Text: Explain the solution**

## Checklist

**\*The checkboxes are for your own tracking**

<input type="checkbox"/> #1	1	Describe the steps for the search and how it works for users and entities
<input type="checkbox"/> #2	1	Mention how you built the UI for this
<input type="checkbox"/> #3	1	Describe the steps for the associate/unassociate logic for the combination of users and entities

#### Response:

There are 2 variables, one for users and one for drivers, which are both arrays. Both searches work similarly. When the admin enters a username or drivername, it searches the Users and Drivers table and gets the results that have a full or partial match to the entered name. It gets all the results and shows it in the respective column. The UI is similar to the assign roles page, except there are 2 search bars on top for both users and drivers. Next to each result for users and drivers, there is a checkbox to click on and whatever is checked when the assign drivers button is pressed, it is associated. When a driver and a user are already associated, they become unassociated when Assign Drivers button is clicked and the is\_active value becomes 0 in the UserDrivers table. Each time, there can be multiple users that can be associated to multiple drivers so it is not limited to just one for each time associated.

#### Task #4 - Points: 1

Text: Add related links

#### Checklist

\*The checkboxes are for your own tracking

#	Points	Details
<input type="checkbox"/> #1	1	Include the heroku prod link for the page that creates the association
<input type="checkbox"/> #2	1	Add the pull request link for the branch related to this feature Note: the link should end with /pull/#. Same pull request shouldn't be used for each feature

#### URL #1

[https://ak2774-prod-76402b453c05.herokuapp.com/Project/admin/assign\\_drivers.php](https://ak2774-prod-76402b453c05.herokuapp.com/Project/admin/assign_drivers.php)

#### URL #2

<https://github.com/abhinavkarthikn/ak2774-it202-008/pull/80>

#### Misc (1 pt.)

[^COLLAPSE ^](#)

#### Task #1 - Points: 1

Text: Screenshot of your project board from GitHub (tasks should be in the proper column)

#### Task Screenshots:

Gallery Style: Large View

Small      Medium      Large



abhinavkarthikn / Projects / Abhinav's it202 2024 project

Type  to search

Add status update

View 1 New view

Filter by keyword or by field

Todo (0) This item hasn't been started

In Progress (0) This is actively being worked on

Done (22) This has been completed

- ✓ ab2774-it202-001 #72 MS3- API Data Association
- ✓ ab2774-it202-003 #73 MS3- Handle the association of data to a user
- ✓ ab2774-it202-008 #74 MS3- Logged in user's associated entities page
- ✓ ab2774-it202-009 #75 MS3- All Users association page
- ✓ ab2774-it202-008 #76 MS3- Create a page that shows data not associated with any user

Screenshot of Project board part 1

github.com/users/abhinavkarthikn/projects/1/views/1

abhinavkarthikn / Projects / Abhinav's it202 2024 project

Type  to search

Add status update

View 1 New view

Filter by keyword or by field

Todo (0) This item hasn't been started

In Progress (0) This is actively being worked on

Done (22) This has been completed

- MS3- Logged in user's associated entities page
- ✓ ab2774-it202-003 #75 MS3- All Users association page
- ✓ ab2774-it202-008 #76 MS3- Create a page that shows data not associated with any user
- ✓ ab2774-it202-008 #77 MS3- Admin can associate any entity with any users
- ✓ ab2774-it202-001 #55 MS2- Define the appropriate table or tables for your API

Screenshot of project board part 2

Task #2 - Points: 1

Text: Provide a direct link to the project board on GitHub

URL #1

<https://github.com/users/abhinavkarthikn/projects/1>

### Task #3 - Points: 1

Text: Talk about any issues or learnings during this assignment

Response:

While building my Not associated users page, I had some trouble with the way that the queries were working because they wouldn't ignore the entities where is\_active=1. I tweaked and played around with the query and figured it out eventually. Another issue I had was with the admin associations page because the cards weren't showing up. I was able to figure it out by changing around the card layout and eventually it worked out.

### Task #4 - Points: 1

Text: WakaTime Screenshot

Details:

Task Screenshots:

Gallery Style: Large View

Small

Medium

Large



## Screenshot of WakaTime

End of Assignment