

Submission Worksheet

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

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

Submissions:

Submission Selection

1 Submission [active] 4/29/2024 8:44:52 PM

Instructions

▲ COLLAPSE ▲

Implement the Milestone 3 features from the project's proposal document: <https://docs.google.com/document/d/1XE96a8DQ52Vp49XACBDTNCq0xYDt3kF29cO88E>
Make sure you add your ucid/date as code comments where code changes are done
All code changes should reach the Milestone3 branch
Create a pull request from Milestone3 to dev and keep it open until you get the output PDF from this assignment.
Gather the evidence of feature completion based on the below tasks.
Once finished, get the output PDF and copy/move it to your repository folder on your local machine.
Run the necessary git add, commit, and push steps to move it to GitHub
Complete the pull request that was opened earlier
Create and merge a pull request from dev to prod
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
#1	1	What's the concept/association?
#2	1	What sort of relationship is it (one to many, many to one, many to many, etc)
#3	1	Note any other considerations

Response:

Users will be able to favorite an NBA team through a favorites button in the single view (team.php). Once a user favorites a team, it will show up in the My NBA Teams page, which will show name, city, nickname, logo, and a link to the single view. The relationship is many to many since users can favorite multiple teams and the teams can be added by several users.

Task #2 - Points: 1

Text: Updating Entities

Checklist

*The checkboxes are for your own tracking

#	Points	Details
#1	1	When an update occurs either manually or from the API how does it affect associated data?
#2	1	Do users see the old data, new data, does data need to be reassociated, etc?

Response:

If an update takes place, it affects associated data depending on the update. If the update changes existing data, such as changing a team's name, city, nickname, or logo link, users will see the updated information and not the old data. At the same time, if a team is removed, any associations with that team will be deleted as well, so that users can't see the removed team in their associated data.

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
#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)

#2	1	Include ucid/date comments for each code screenshot
#3	1	Clearly caption screenshots

Task Screenshots:

Gallery Style: Large View

Small Medium Large

```

1  <?php
2  require(__DIR__ . "/../../../../lib/functions.php"); // mmmt 4/30/24
3  session_start();
4  if (isset($_GET["team_id"])) && is_logged_in() {
5      $db = getDB();
6      $query = "INSERT INTO `UserTeams` (user_id, team_id) VALUES (:user_id, :team_id)";
7      try {
8          $stmt = $db->prepare($query);
9          $stmt->execute([":user_id" => get_user_id(), ":team_id" => $_GET["team_id"]]);
10         flash("You've successfully favorited the team", "success");
11         redirect("my_teams.php");
12     } catch (PDOException $e) {
13         if ($e->errorInfo[1] === 1062) {
14             flash("Team already favorited", "danger");
15         } else {
16             flash("Unhandled error occurred", "danger");
17         }
18         error_log("Error favoriting team: " . var_export($e, true));
19     } <- #12-19 catch (PDOException $e)
20 } <- #4-20 if (isset($_GET["team_id"])) && is_logged_in()
21 redirect("teams.php");

```

screenshot of team_details code

Checklist Items (0)

Task #2 - Points: 1

Text: Screenshot of the association table(s)

Checklist			*The checkboxes are for your own tracking
#	Points	Details	
#1	1	Show the table(s) you made to handle the associations	
#2	1	Should have some example data	
#3	1	Clearly caption screenshots	

Task Screenshots:

Gallery Style: Large View

Small

Medium

Large

The screenshot shows a MySQL database interface with the following details:

- Left sidebar: A tree view of database objects including 'IT202 8.0.36-0ub...', 'information_schema', 'mmt 206k', 'Query', 'Tables (5)', 'NBA_Teams...', 'Roles 2', 'UserRoles 2', 'U... (selected)', 'Users 5', 'Views', 'Procedures', and 'Functions'.
- Top bar: Properties, DATA, Monitor.
- Query editor: SELECT * FROM `UserTeams` LIMIT 100
- Results table:

	id	user_id	team_id	is_active	created	modified
	int	int	int	tinyint(1)	timestamp	timestamp
1	36	1	24	1	2024-04-29 20:29:53	2024-04-29 20:29:53
2	37	1	40	1	2024-04-29 20:31:45	2024-04-29 20:31:45
3	38	9	40	1	2024-04-29 20:45:53	2024-04-29 20:45:53
4	39	1	30	1	2024-04-29 21:04:15	2024-04-29 21:04:15

screenshot of the user teams 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:

I used the first option as it made the most sense with my project. When a user clicks to favorite a team, the query inserts a new record into my UserTeams table, which links the user's ID with the ID of the favorited team. My table also has an is_active column which checks if the connection has been associated or disassociated.



^COLLAPSE ^

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

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

URL #1<https://github.com/mananthakore/mmt-it202-008/pull/79>**URL #2**<https://github.com/mananthakore/mmt-it202-008/pull/80>**URL #3**https://mmt-prod-6beda717bbfa.herokuapp.com/Project/my_teams.php**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
#1	1	Show the summary of the results with relevant information per entity
#2	1	Show the single view buttons/links, delete button/links, and delete all button/link
#3	1	Show variations of the number of shown items count and show the count of total number of associated items to the user
#4	1	Show variations of the filter/sort including no results (proper message should be visible)
#5	1	Make sure the heroku dev url is visible in the address bar
#6	1	Clearly caption screenshots

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

Getting Started Google YouTube

Team Name City Nickname Logo (Link) Limit

Team Name City Nickname Logo (Link) 10

Filter

Results: 4/4

Clear

NBA Teams

name	city	nickname	logo	user_id	Actions
Cleveland Cavaliers	Cleveland	Cavaliers	https://upload.wikimedia.org/wikipedia/fr/thumb/0/06/Cavs_de_Cleveland_logo_2017.png/150px-Cavs_de_Cleveland_logo_2017.png	1	View Remove
New York Knicks	New York	Knicks	https://upload.wikimedia.org/wikipedia/fr/3/34/Knicks_de_NY.png	1	View Remove
Sacramento Kings	Sacramento	Kings	https://upload.wikimedia.org/wikipedia/fr/thumb/9/95/Kings_de_Sacramento_logo.svg/1200px-Kings_de_Sacramento_logo.svg.png	1	View Remove
Utah Jazz	Utah	Jazz	https://upload.wikimedia.org/wikipedia/fr/3/3b/Jazz_de_l%27Utah_logo.png	1	View Remove

screenshot of my teams page

Checklist Items (0)

Getting Started Google YouTube

DunkData Home Profile NBA Teams Available My NBA Teams Roles Team Management

My Favorite Teams

[Remove All Teams](#)

Team Name City Nickname Logo (Link)

Team Name City Nickname Logo (Link)

Filter

Results: 4/4

Clear

NBA Teams

name	city	nickname	logo
Cleveland Cavaliers	Cleveland	Cavaliers	https://upload.wikimedia.org/wikipedia/fr/thumb/0/06/Cavs_de_Cleveland_logo_2017.png/150px-Cavs_de_Cleveland_logo_2017.png
New York Knicks	New York	Knicks	https://upload.wikimedia.org/wikipedia/fr/3/34/Knicks_de_NY.png

https://mmt-dev-0918b5efff5c.herokuapp.com/Project/my_teams.php?remove

proof of remove all teams button

Checklist Items (0)

Checklist Items (0)

← → ⌛ https://mmt-dev-0918b5efff5c.herokuapp.com/Project/my_teams.php

Getting Started Google YouTube

Team Name	City	Nickname	Logo (Li
Team Name	City	Nickname	Logo (

Filter

Results:
4/4

Clear

NBA Teams

name	city	nickname	logo
Cleveland Cavaliers	Cleveland	Cavaliers	https://upload.wikimedia.org/wikipedia/fr/thumb/0/06/Cavs_de_Cleveland_logo_2017.png/150px-Cavs_de_Cleveland_logo_2017.png
New York Knicks	New York	Knicks	https://upload.wikimedia.org/wikipedia/fr/3/34/Knicks_de_NY.svg/1200px-Knicks_de_NY.svg
Sacramento Kings	Sacramento	Kings	https://upload.wikimedia.org/wikipedia/fr/thumb/9/95/Kings_de_Sacramento_logo.svg/1200px-Kings_de_Sacramento_logo.svg

https://mmt-dev-0918b5efff5c.herokuapp.com/Project/team.php?team_id=7

proof of single view button

Checklist Items (0)

← → ⌛ https://mmt-dev-0918b5efff5c.herokuapp.com/Project/admin/team_associations.php

Getting Started Google YouTube

DunkData Home Profile NBA Teams Available My NBA Teams Roles Team Management Logo

Team selected removed successfully

Associated Teams

Remove All Teams

Username	Team Name	City	Nickname	Logo
Username	Team Name	City	Nickname	Logo

Filter

Results:
4/4

Clear

NBA Teams

screenshot of a team getting deleted from favorites

Checklist Items (0)

← → ⌛ 🔍 https://mmt-dev-0918b5efff5c.herokuapp.com/Project/my_teams.php?name=&city=c&nickname= Star ⌂ ⌄ ⌁ ⌃

Getting Started Google YouTube

My Favorite Teams

Remove All Teams

Team Name	City	Nickname	Logo (Link)	Limit
Team Name	c	Nickname	Logo (Link)	10

Filter

Results: 2/4

Clear

NBA Teams

name	city	nickname	logo	user_id	Actions
Cleveland Cavaliers	Cleveland	Cavaliers	https://upload.wikimedia.org/wikipedia/fr/thumb/0/06/Cavs_de_Cleveland_logo_2017.png/150px-Cavs_de_Cleveland_logo_2017.png	1	<button>View</button> <button>Remove</button>
Sacramento Kings	Sacramento	Kings	https://upload.wikimedia.org/wikipedia/fr/thumb/9/95/Kings_de_Sacramento_logo.svg/1200px-Kings_de_Sacramento_logo.svg.png	1	<button>View</button> <button>Remove</button>

screenshot of my teams page

Checklist Items (0)

← → ⌛ 🔍 https://mmt-dev-0918b5efff5c.herokuapp.com/Project/my_teams.php?name=jazz&city=&nickname= Star ⌂ ⌄ ⌁ ⌃

Getting Started Google YouTube

DunkData Home Profile NBA Teams Available My NBA Teams Roles Team Management Logout

My Favorite Teams

Remove All Teams

Team Name	City	Nickname	Logo (Link)	Limit
jazz	City	Nickname	Logo (Link)	10

Filter

Results: 1/4

Clear

NBA Teams

name	city	nickname	logo	user_id	Actions
Utah Jazz	Utah	Jazz	https://upload.wikimedia.org/wikipedia/fr/3/3b/Jazz_de_l%27Utah_logo.png	1	<button>View</button> <button>Remove</button>

Checklist Items (0)

Getting Started Google YouTube

My Favorite Teams

[Remove All Teams](#)

Team Name	City	Nickname	Logo (Link)	Limit
Team Name	City	k	Logo (Link)	10

[Filter](#)

Results:
2/4
[Clear](#)

NBA Teams

name	city	nickname	logo	user_id
New York Knicks	New York	Knicks	https://upload.wikimedia.org/wikipedia/fr/3/34/Knicks_de_NY.png	1
Sacramento Kings	Sacramento	Kings	https://upload.wikimedia.org/wikipedia/fr/thumb/9/95/Kings_de_Sacramento_logo.svg/1200px-Kings_de_Sacramento_logo.svg.png	1

Checklist Items (0)

Getting Started Google YouTube

DunkData Home Profile NBA Teams Available My NBA Teams Roles Team Management Logout

My Favorite Teams

[Remove All Teams](#)

Team Name	City	Nickname	Logo (Link)
Team Name	City	warriors	Logo (Link)

[Filter](#)

Results:
0/4
[Clear](#)

NBA Teams

No records to show

screenshot of my teams page

Checklist Items (0)

The screenshot shows a web application interface titled "DunkData". At the top, there is a navigation bar with links for "Home", "Profile", "NBA Teams", "Available", "My NBA Teams", "Roles", "Team Management", and "Logout". Below this, a section titled "My Favorite Teams" contains a red button labeled "Remove All Teams". There are four input fields for filtering: "Team Name", "City", "Nickname", and "Logo (Link)". A blue "Filter" button is located below these fields. To the left, there are buttons for "Results: 1/4" and "Clear". The main content area is titled "NBA Teams" and displays a table with one row:

name	city	nickname	logo	user_id
Utah Jazz	Utah	Jazz	https://upload.wikimedia.org/wikipedia/fr/3/3b/Jazz_de_l%27Utah_logo.png	1

screenshot of my teams page

Checklist Items (0)

A task card is shown with a green circular icon and a "COLLAPSE" button. The title of the task is "Task #2 - Points: 1" and the text is "Text: Screenshot the code".

Checklist

*The checkboxes are for your own tracking

#	Points	Details
#1	1	Show the code related to fetching the user's associations (including the query)
#2	1	Show the code related to the display of the results
#3	1	Each record should have a button/link for single view
#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
#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)
		Show the logic related to the count of all associated items to the user (even the ones not shown)

<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

```
public_html > Project > my_teams.php > ...
You, 28 minutes ago | 2 authors (Manan Thakore and others)
1  <?php
2  require(__DIR__ . "/../../partials/nav.php"); // mmt 4/30/2024
3  $db = getDB();
4
5  if (isset($_GET["remove"])) {
6      $query = "DELETE FROM `UserTeams` WHERE user_id = :user_id";| Manan Thakore, yesterday + more user
7      try {
8          $stmt = $db->prepare($query);
9          $stmt->execute([":user_id" => get_user_id()]);
10         flash("Successfully removed all teams", "success");
11     } catch (PDOException $e) {
12         error_log("Error removing team associations: " . var_export($e, true));
13         flash("Error removing team associations", "danger");
14     }
15
16     redirect("my_teams.php");
17 } <- #5-17 if (isset($_GET["remove"]))
18
19 $db = getDB();
20 if (isset($_GET["remove"])) {
21     $query = "DELETE FROM `UserTeams`";
22     try {
23         $stmt = $db->prepare($query);
24         $stmt->execute();
25         flash("All teams removed", "success");
26     } catch (PDOException $e) {
27         error_log("Error removing all teams: " . var_export($e, true));
28         flash("Error removing all teams", "danger");
29     }
30 }
```

screenshot of my_teams code

Checklist Items (0)

```
32  if ($_SERVER["REQUEST_METHOD"] == "POST" && isset($_POST["removeTeamId"])) {
33      $removeTeamId = $_POST["removeTeamId"];
34      $query = "DELETE FROM `UserTeams` WHERE team_id = :team_id"; // mmt 4/30/24
35      $params = [":team_id" => $removeTeamId];
36      try {
37          $stmt = $db->prepare($query);
38          $stmt->execute($params);
39          flash("Team selected removed successfully", "success");
40          redirect("admin/team_associations.php");
41      } catch (PDOException $e) {
42          error_log("Error removing team: " . $e->getMessage());
```

```

43     flash("Error removing team", "danger");
44 }
45 } <- #32-45 if ($_SERVER["REQUEST_METHOD"] == "POST" && isset($_POST["rem...
46
47
48 $form = [
49     ["type" => "text", "name" => "name", "placeholder" => "Team Name", "label" => "Team Name", "include_margin" => false],
50     ["type" => "text", "name" => "city", "placeholder" => "City", "label" => "City", "include_margin" => false],
51     ["type" => "text", "name" => "nickname", "placeholder" => "Nickname", "label" => "Nickname", "include_margin" => false],
52     ["type" => "text", "name" => "logo", "placeholder" => "Logo (Link)", "label" => "Logo (Link)", "include_margin" => false],
53     ["type" => "number", "name" => "limit", "label" => "Limit", "value" => "10", "include_margin" => false]
54 ];
55
56 $total_records = get_total_count(`NBA_Teams` t
57 JOIN `UserTeams` ut ON t.id = ut.team_id
58 WHERE ut.user_id = :user_id);
59
60
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87
88
89
90
91

```

screenshot of my_teams code

Checklist Items (0)



```

56 $total_records = get_total_count(`NBA_Teams` t
57 JOIN `UserTeams` ut ON t.id = ut.team_id
58 WHERE ut.user_id = :user_id, [":user_id" => get_user_id()]);
59
60 $query = "SELECT t.id AS team_id, name, city, nickname, logo, user_id FROM `NBA_Teams` t
61 JOIN `UserTeams` utt ON t.id = utt.team_id
62 WHERE utt.user_id = :user_id";
63
64 $params = [":user_id" => get_user_id()];
65 $session_key = $_SERVER["SCRIPT_NAME"];
66 $is_clear = isset($_GET["clear"]);
67 if ($is_clear) {
68     session_delete($session_key);
69     unset($_GET["clear"]);
70     redirect($session_key);
71 } else {
72     Manan Thakore, 2 days ago * finished favorites page
73     $session_data = session_load($session_key);
74 }
75 if (count($_GET) == 0 && isset($session_data) && count($session_data) > 0) { // mmt 4/30/2024
76     if ($session_data) {
77         $_GET = $session_data;
78     }
79 } <- #75-79 if (count($_GET) == 0 && isset($session_data) && count($sessi...
80
81 if (count($_GET) > 0) {
82     session_save($session_key, $_GET);
83     $keys = array_keys($_GET);
84
85
86
87
88
89
90
91

```

screenshot of my_teams code

Checklist Items (0)



```

81 if (count($_GET) > 0) {
82     session_save($session_key, $_GET);
83     $keys = array_keys($_GET);
84
85     foreach ($form as $k => $v) {
86         if (in_array($v["name"], $keys)) {
87             $form[$k]["value"] = $_GET[$v["name"]];
88         }
89     } <- #85-89 foreach ($form as $k => $v)
90
91     $name = se($_GET, "name", "", false);
92
93
94
95
96
97
98
99

```

```
92     if (!empty($name)) {
93         $query .= " AND name LIKE :name";
94         $params[":name"] = "%$name%";
95     }
96
97     $city = se($_GET, "city", "", false);
98     if (!empty($city)) {
99         $query .= " AND city LIKE :city";
100        $params[":city"] = "%$city%";
101    }
102    Manan Thakore, 2 days ago • finished favorites page
103
104
105    $nickname = se($_GET, "nickname", "", false);
106    if (!empty($nickname)) { // mmt 4/30/2024
107        $query .= " AND nickname LIKE :nickname";
108        $params[":nickname"] = "%$nickname%";
109    }
110
```

screenshot of my_teams code

Checklist Items (0)

```
2     $logo = se($_GET, "logo", "", false);
3     if (!empty($logo)) {
4         $query .= " AND logo LIKE :logo";
5         $params[":logo"] = "%$logo%";
6     }
7     try {
8         $limit = (int)se($_GET, "limit", "10", false); // mmt 4/30/2024
9     } catch (Exception $e) {
10         $limit = 10;
11     }
12     Manan Thakore, 2 days ago • finished favorites page
13     if ($limit < 1 || $limit > 100) {
14         $limit = 10;
15     }
16 } <- #81-125 if (count($_GET) > 0)
17
18 $db = getDB();
19 $stmt = $db->prepare($query);
20 $results = [];
21 try {
22     $stmt->execute($params);
23     $r = $stmt->fetchAll();
24     if ($r) {
25         $results = $r;
26     }
27 } catch (PDOException $e) {
28     error_log("Error fetching NBA teams: " . var_export($e, true));
29     flash("Unhandled error occurred", "danger");
30 }
```

screenshot of my_teams code

Checklist Items (0)

```
141     foreach ($results as $index => $teamData) {
142         foreach ($teamData as $key => $value) {
143             if (is_null($value)) {
144                 $results[$index][$key] = "N/A";
145             }
146         }
147     }
148
149     $table = [
```

```

150 "data" => $results,
151 "title" => "NBA Teams",
152 "ignored_columns" => ["team_id"], ["user_id"], // mmt 4/30/2024
153 // Add edit and delete URLs if needed
154 // "edit_url" => get_url("edit_teams.php"),
155 // "delete_url" => get_url("delete_teams.php"),
156 "view_url" => get_url("team.php"),
157 "removeButton" => true,
158 "primary_key" => "team_id"
159 ]; <- #149-159 $table =
160 ?>
161 <div class="container-fluid">
162     <h3>My Favorite Teams</h3>
163     <div>
164         <a href="?remove" onclick="confirm('Are you sure')?':event.preventDefault()" class="btn btn-danger">Remove All T
165     </div>
166     <form method="GET">
167         <div class="row mb-3" style="align-items: flex-end;">
168             <?php foreach ($form as $k => $v) : ?>
169                 <div class="col">

```

screenshot of my_teams code

Checklist Items (0)

```

100 <?php if (method == GET) >
101     <div class="row mb-3" style="align-items: flex-end;">
102         <?php foreach ($form as $k => $v) : ?>
103             <div class="col">
104                 <?php render_input($v); ?>
105             </div>
106             <?php endforeach; ?>
107         </div>
108         <?php render_button(["text" => "Search", "type" => "submit", "text" => "Filter"]); ?>
109         <?php render_result_counts(count($results), $total_records); ?>
110         <a href="?clear" class="btn btn-secondary">Clear</a>
111         <?php if (isset($userData["username"])) : ?>
112             <div class="card-header">
113                 Owned By: <?php se($userData, "username", "N/A"); ?>
114             </div>      Manan Thakore, yesterday + more user association
115         <?php endif; ?>
116     </form> <!-- mmt 4/30/2024 -->
117     <?php render_table($table); ?>
118     <div class = "row">
119         <?php foreach($results as $teamData):?>
120             <div class = "col"></div>
121         <?php endforeach;?>
122     </div>
123
124     <?php require_once(__DIR__ . "/../../partials/flash.php"); ?>
125     <!-- #56-191 $total_records = get_total_count

```

screenshot of my_teams code

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:

- The result list is determined by running a SQL query that gets data from my NBA_Teams database, which is also joined my UserTeams table. Filters based on the search data, such as team name, city, nickname, and logo link, are also applied .
- The total count counts the total number of teams that are favorited by a user. It's found by the get_total_count function that counts the number of records in my UserTeams table. The visible result count is found by counting the number of records returned after applying the search filters
- For single delete logic, a SQL DELETE query removes a specific team association based on the team_id. To delete all associations for the user, a DELETE query without any conditions is used on the UserTeams table.

Task #4 - Points: 1

Text: Add related links

Checklist

*The checkboxes are for your own tracking

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

URL #1

https://mmt-prod-6beda717bbfa.herokuapp.com/Project/my_teams.php

URL #2

<https://github.com/mananthakore/mmt-it202-008/pull/79/files>

URL #3

<https://github.com/mananthakore/mmt-it202-008/pull/80/files>

URL #4

<https://github.com/mananthakore/mmt-it202-008/pull/81/files>

URL #5

<https://github.com/mananthakore/mmt-it202-008/pull/82/files>

All Users Association Page (likely an admin page) (2 pts.)

Task #1 - Points: 1

ACCOLADE X

Text: Screenshots of this page

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

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

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

Associated Teams

Remove All Teams

Username	Team Name	City	Nickname	Logo (Link)	Limit
Username	Team Name	City	Nickname	Logo (Link)	10

Filter

Results: 5/5

Clear

NBA Teams

name	city	nickname	logo	username	user_id	total_associated_users	Actions
New York Knicks	New York	Knicks	https://upload.wikimedia.org/wikipedia/fr/3/34/Knicks_de_NY.png	manan26	1	1	View Edit Delete

Checklist Items (0)

Remove All Teams

Username	Team Name	City	Nickname	Logo (Link)	Limit
04	Team Name	City	Nickname	Logo (Link)	10

Filter

Results: 2/5

Clear

NBA Teams

name	city	nickname	logo	username	user_id	total_associated_users	Actions
Utah Jazz	Utah	Jazz	https://upload.wikimedia.org/wikipedia/fr/3/b/Jazz_de_I%27Utah_logo.png	manan04	9	2	View Remove
Sacramento Kings	Sacramento	Kings	https://upload.wikimedia.org/wikipedia/fr/thumb/9/95/Kings_de_Sacramento_logo.svg/1200px-Kings_de_Sacramento_logo.svg	manan04	9	2	View Remove

screenshot of team_association page

Checklist Items (0)

DunkData

Home Profile NBA Teams Available My NBA Teams Roles Team Management Logout

Associated Teams

Remove All Teams

Username	Team Name	City	Nickname	Logo (Link)	Limit
Username	Team Name	City	Nickname	Logo (Link)	10

Filter

Results: 5/5

Clear

NBA Teams

name	city	nickname	logo	username	user_id	total_associated_users	Actions
New York Knicks	New York	Knicks	https://upload.wikimedia.org/wikipedia/fr/3/34/Knicks_de_NY.png	manan26	1	1	View Remove

<https://mmt-dev-0918b5efff5c.herokuapp.com/Project/profile.php?id=1>

Checklist Items (0)

https://mmt-dev-0918b5efff5c.herokuapp.com/Project/admin/team_associations.php?username=manan26

Getting Started Google YouTube

DunkData Home Profile NBA Teams Available My NBA Teams Roles Team Management Logout

Associated Teams

[Remove All Teams](#)

Username	Team Name	City	Nickname	Logo (Link)	Limit
Username	New	City	Nickname	Logo (Link)	10

[Filter](#)

Results: 1/5

[Clear](#)

NBA Teams

name	city	nickname	logo	username	user_id	total_associated_users	Actions
New York Knicks	New York	Knicks	https://upload.wikimedia.org/wikipedia/fr/3/34/Knicks_de_NY.png	manan26	1	1	View Edit Remove Delete

[Remove Filtered Team Associations](#)

screenshot of team_associations page

Checklist Items (0)

https://mmt-dev-0918b5efff5c.herokuapp.com/Project/admin/team_associations.php?username=manan26

Getting Started Google YouTube

DunkData Home Profile NBA Teams Available My NBA Teams Roles Team Management Logout

Associated Teams

[Remove All Teams](#)

Username	Team Name	City	Nickname	Logo (Link)
Username	Team Name	City	chiefs	Logo (Link)

[Filter](#)

Results: 0/5

[Clear](#)

NBA Teams

No records to show

[Remove Filtered Team Associations](#)

screenshot with no results

Checklist Items (0)

Team selected removed successfully

Associated Teams

Remove All Teams

Username	Team Name	City	Nickname	Logo (Link)	Limit
Username	Team Name	City	Nickname	Logo (Link)	10

Filter

Results: 3/3

Clear

NBA Teams

name	city	nickname	logo	username	user_id	total_associated_users	Actions
New York Knicks	New York	Knicks	https://upload.wikimedia.org/wikipedia/fr/3/34/Knicks_de_NY.png	manan26	1	1	View Remove

message showing that a team was removed

Checklist Items (0)

Team selected removed successfully

Associated Teams

Remove All Teams

Username	Team Name	City	Nickname	Logo (Link)	Limit
Username	Team Name	City	Knicks	Logo (Link)	10

Filter

Results: 1/3

Clear

NBA Teams

name	city	nickname	logo	username	user_id	total_associated_users	Actions
New York Knicks	New York	Knicks	https://upload.wikimedia.org/wikipedia/fr/3/34/Knicks_de_NY.png	manan26	1	1	View Edit Delete

Remove Filtered Team Associations

screenshot of team_associations page

Checklist Items (0)

Task #2 - Points: 1

Text: Screenshot the code

Checklist

*The checkboxes are for your own tracking

#	Points	Details
#1	1	Show the code related to fetching all associations (including the query)
#2	1	Show the code related to the display of the results
#3	1	Each record should have a button/link for single view
#4	1	Each record should have a username field that is clickable to go to the user's profile page
#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
#6	1	Show the logic related to the count of all associated items (even the ones not shown in the filtered results)
#7	1	Show the logic related to the count of the items on the page (this value should change based on the filter applied)
#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)
#9	1	Include ucid/date comments for each code screenshot
#10	1	Clearly caption screenshots

Task Screenshots:

Gallery Style: Large View

Small Medium Large

```
1  <?php
2  require(__DIR__ . "/../../../../partials/nav.php"); // mmt 4/29/2024
3
4  if (!has_role("Admin")) {      Manan Thakore, 23 hours ago * more user association
5      flash("You don't have permission to view this page", "warning");
6      redirect("home.php");
7  }
8  $db = getDB();
9  if (isset($_GET["remove"])) {
10      $query = "DELETE FROM `UserTeams`";
11      try {
12          $stmt = $db->prepare($query);
13          $stmt->execute();
14      } catch (Exception $e) {
15          echo "Error: " . $e->getMessage();
16      }
17  }
```

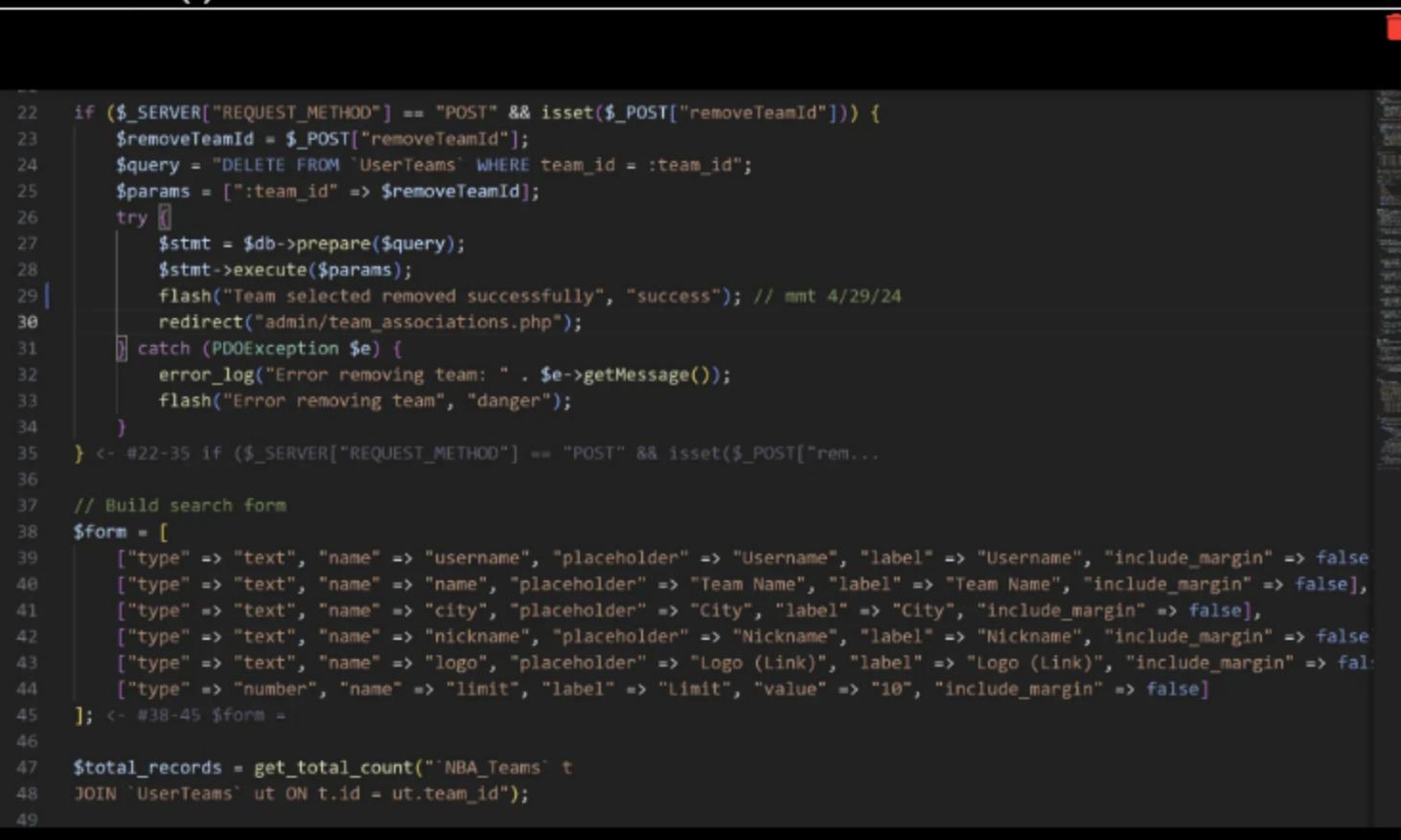
```

12     $stmt = $db->prepare($query);
13     $stmt->execute();
14     flash("All teams removed", "success");
15 } catch (PDOException $e) {
16     error_log("Error removing all teams: " . var_export($e, true));
17     flash("Error removing all teams", "danger");
18 }
19 redirect("my_teams.php");
20 } <- #9-20 if (isset($_GET["remove"]))
21
22 if ($_SERVER["REQUEST_METHOD"] == "POST" && isset($_POST["removeTeamId"])) {
23     $removeTeamId = $_POST["removeTeamId"];
24     $query = "DELETE FROM `UserTeams` WHERE team_id = :team_id";
25     $params = [":team_id" => $removeTeamId];
26     try {
27         $stmt = $db->prepare($query);
28         $stmt->execute($params);
29         flash("Team selected removed successfully", "success");
30     } catch (PDOException $e) {
31         error_log("Error removing team: " . $e->getMessage());
32         flash("Error removing team", "danger");
33     }
34 }
35 } <- #22-35 if ($_SERVER["REQUEST_METHOD"] == "POST" && isset($_POST["rem...
36
37 // Build search form
38 $form = [
39     ["type" => "text", "name" => "username", "placeholder" => "Username", "label" => "Username", "include_margin" => false],
40     ["type" => "text", "name" => "name", "placeholder" => "Team Name", "label" => "Team Name", "include_margin" => false],
41     ["type" => "text", "name" => "city", "placeholder" => "City", "label" => "City", "include_margin" => false],
42     ["type" => "text", "name" => "nickname", "placeholder" => "Nickname", "label" => "Nickname", "include_margin" => false],
43     ["type" => "text", "name" => "logo", "placeholder" => "Logo (Link)", "label" => "Logo (Link)", "include_margin" => false],
44     ["type" => "number", "name" => "limit", "label" => "Limit", "value" => "10", "include_margin" => false]
45 ]; <- #38-45 $form =
46
47 $total_records = get_total_count(`NBA_Teams` t
48 JOIN `UserTeams` ut ON t.id = ut.team_id);
49

```

screenshot of team_associations code

Checklist Items (0)



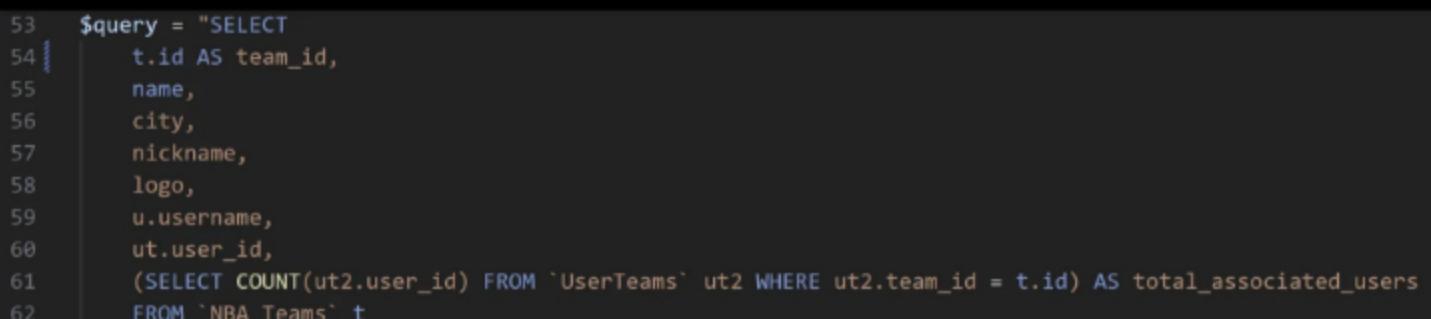
```

22 if ($_SERVER["REQUEST_METHOD"] == "POST" && isset($_POST["removeTeamId"])) {
23     $removeTeamId = $_POST["removeTeamId"];
24     $query = "DELETE FROM `UserTeams` WHERE team_id = :team_id";
25     $params = [":team_id" => $removeTeamId];
26     try {
27         $stmt = $db->prepare($query);
28         $stmt->execute($params);
29         flash("Team selected removed successfully", "success"); // mmt 4/29/24
30         redirect("admin/team_associations.php");
31     } catch (PDOException $e) {
32         error_log("Error removing team: " . $e->getMessage());
33         flash("Error removing team", "danger");
34     }
35 } <- #22-35 if ($_SERVER["REQUEST_METHOD"] == "POST" && isset($_POST["rem...
36
37 // Build search form
38 $form = [
39     ["type" => "text", "name" => "username", "placeholder" => "Username", "label" => "Username", "include_margin" => false],
40     ["type" => "text", "name" => "name", "placeholder" => "Team Name", "label" => "Team Name", "include_margin" => false],
41     ["type" => "text", "name" => "city", "placeholder" => "City", "label" => "City", "include_margin" => false],
42     ["type" => "text", "name" => "nickname", "placeholder" => "Nickname", "label" => "Nickname", "include_margin" => false],
43     ["type" => "text", "name" => "logo", "placeholder" => "Logo (Link)", "label" => "Logo (Link)", "include_margin" => false],
44     ["type" => "number", "name" => "limit", "label" => "Limit", "value" => "10", "include_margin" => false]
45 ]; <- #38-45 $form =
46
47 $total_records = get_total_count(`NBA_Teams` t
48 JOIN `UserTeams` ut ON t.id = ut.team_id);
49

```

screenshot of team_associations code

Checklist Items (0)



```

53 $query = "SELECT
54     t.id AS team_id,
55     name,
56     city,
57     nickname,
58     logo,
59     u.username,
60     ut.user_id,
61     (SELECT COUNT(ut2.user_id) FROM `UserTeams` ut2 WHERE ut2.team_id = t.id) AS total_associated_users
62     FROM `NBA_Teams` t

```

```

63     LEFT JOIN `UserTeams` ut ON t.id = ut.team_id
64     LEFT JOIN `Users` u ON u.id = ut.user_id
65     WHERE ut.is_active = 1";
66
67
68 $params = [];
69 $session_key = $_SERVER["SCRIPT_NAME"]; // mmt 4/29/24
70 $is_clear = isset($_GET["clear"]);
71 if ($is_clear) {
72     session_delete($session_key);
73     unset($_GET["clear"]);
74     redirect($session_key);
75 } else {
76     $session_data = session_load($session_key);
77 }
78
79 if (count($_GET) == 0 && isset($session_data) && count($session_data) > 0) {
80     if ($session_data) {

```

screenshot of team_associations code

Checklist Items (0)

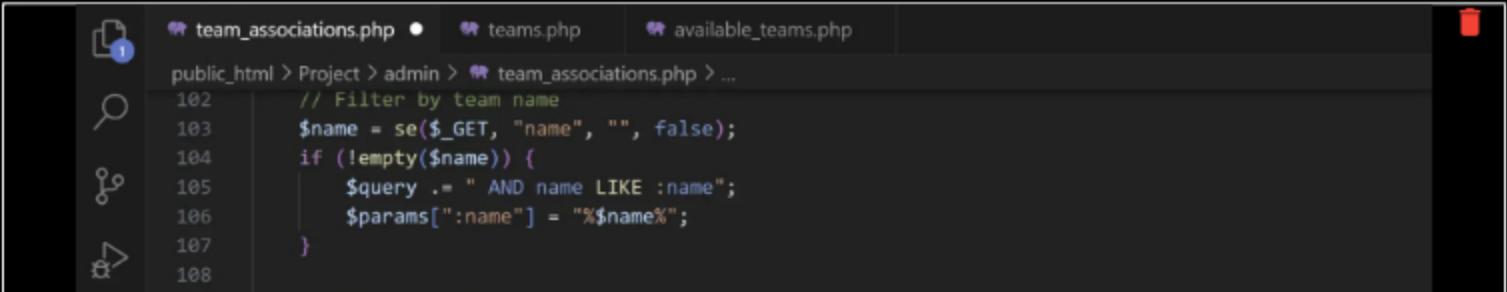
```

85     if (count($_GET) > 0) {
86         session_save($session_key, $_GET);
87         $keys = array_keys($_GET);
88
89         foreach ($form as $k => $v) {
90             if (in_array($v["name"], $keys)) {
91                 $form[$k]["value"] = $_GET[$v["name"]];
92             }
93         } <- #89-93 foreach ($form as $k => $v)
94
95         // filter by username
96         $username = se($_GET, "username", "", false);
97         if (!empty($username)) {
98             $query .= " AND u.username LIKE :username";
99             $params[":username"] = "%$username%"; // mmt 4/29/24
100        }
101
102        // Filter by team name
103        $name = se($_GET, "name", "", false);
104        if (!empty($name)) {
105            $query .= " AND name LIKE :name";
106            $params[":name"] = "%$name%";
107        }
108
109        // Filter by city
110        $city = se($_GET, "city", "", false);
111        if (!empty($city)) {
112            $query .= " AND city LIKE :city";

```

screenshot of team_associations code

Checklist Items (0)



The screenshot shows a file browser interface with the following files visible:

- team_associations.php
- teams.php
- available_teams.php

```

public_html > Project > admin > team_associations.php > ...
102     // Filter by team name
103     $name = se($_GET, "name", "", false);
104     if (!empty($name)) {
105         $query .= " AND name LIKE :name";
106         $params[":name"] = "%$name%";
107     }
108

```

```
109     // Filter by city
110     $city = se($_GET, "city", "", false);
111     if (!empty($city)) {
112         $query .= " AND city LIKE :city";
113         $params[":city"] = "%$city%";
114     }
115
116     // Filter by nickname
117     $nickname = se($_GET, "nickname", "", false);
118     if (!empty($nickname)) { // mmt 4/17/2024
119         $query .= " AND nickname LIKE :nickname";
120         $params[":nickname"] = "%$nickname%"; // mmt 4/29/24
121     }
122
123     // Filter by logo (link)
124     $logo = se($_GET, "logo", "", false);
125     if (!empty($logo)) {
126         $query .= " AND logo LIKE :logo";
127         $params[":logo"] = "%$logo%";
128     }
129     try {
130         $limit = (int)se($_GET, "limit", "10", false);
```

screenshot of team_association code

Checklist Items (0)

```
130     $limit = (int)se($_GET, "limit", "10", false);
131 } catch (Exception $e) {
132     $limit = 10;
133 }
134 if ($limit < 1 || $limit > 100) {
135     $limit = 10;
136 }
137 } #85-137 if (count($_GET) > 0)
138     Manan Thakore, 24 hours ago + more user association
139 $db = getDB();
140 $stmt = $db->prepare($query);
141 $results = [];
142 try {
143     $stmt->execute($params);
144     $r = $stmt->fetchAll();
145     if ($r) {
146         $results = $r;
147     }
148 } catch (PDOException $e) {
149     error_log("Error fetching NBA teams: " . var_export($e, true)); // mmt 4/29/24
150     flash("Unhandled error occurred", "danger");
151 }
152
153 foreach ($results as $index => $teamData) {
154     foreach ($teamData as $key => $value) {
155         if (is_null($value)) {
156             $results[$index][$key] = "N/A";
157         }
158     }
159 }
```

screenshot of team_associations code

Checklist Items (0)

```
161 $table = [
162     "data" => $results,
163     "title" => "NBA Teams",
164     "ignored_columns" => ["team_id", "user_id", "logo"], // mmt 4/17/2024
165     // Add edit and delete URLs if needed
166     "edit_url" => get_url("edit_teams.php"),
167     "delete_url" => get_url("delete_teams.php").
```

```

168     "view_url" => get_url('team.php'),
169     "removeButton" => true,
170     "profile_link" => true,
171     "primary_key" => "team_id", // mmt 4/29/24
172     "columns" => [
173         ["title" => "username", "key" => "username"],
174         ["title" => "name", "key" => "name"],
175         ["title" => "nickname", "key" => "nickname"],
176         ["title" => "city", "key" => "city"],
177         ["title" => "logo", "key" => "logo"],
178         ["title" => "Total Users", "key" => "total_users"]
179     ] <- #172-179 "columns" =>
180 ]; <- #161-180 $table =
181 ?>
182 <div class="container-fluid">
183     <h3>Associated Teams</h3>
184     <div>
185         <a href="?remove" onclick="confirm('Are you sure')?':event.preventDefault()" class="btn btn-danger">Remove All Teams</a>
186     </div>
187     <form method="GET">
188         <div class="row mb-3" style="align-items: flex-end;">
189             <?php foreach ($form as $k => $v) : ?>

```

screenshot of team_associations code

Checklist Items (0)

```

182     <div class="container-fluid">
183         <h3>Associated Teams</h3>
184         <div>
185             <a href="?remove" onclick="confirm('Are you sure')?':event.preventDefault()" class="btn btn-danger">Remove All Teams</a>
186         </div>
187         <form method="GET">
188             <div class="row mb-3" style="align-items: flex-end;">
189                 <?php foreach ($form as $k => $v) : ?>
190                     <div class="col">
191                         <?php render_input($v); ?>
192                     </div>
193                 <?php endforeach; ?>
194             </div>
195             <?php render_button(["text" => "Search", "type" => "submit", "text" => "Filter"]); ?>
196             <?php render_result_counts(count($results), $total_records); ?>
197             <a href="?clear" class="btn btn-secondary">Clear</a>
198         </form> <!-- mmt 4/29/2024 --> You, 1 second ago * Uncommitted changes
199         <?php render_table($table); ?>
200         <div>
201             <a href=<?php echo get_url('remove_filtered.php?' . http_build_query($_GET)); ?>" class="btn btn-danger">Remove All Teams</a>
202         </div>
203         <div class = "row">
204             <?php foreach($results as $teamData):?>
205                 <div class = "col"></div>
206             <?php endforeach;?>
207         </div>
208
209         <?php require_once(__DIR__ . "/../../../../partials/flash.php"); ?>
210

```

screenshot of team_associations code

Checklist Items (0)

Task #3 - Points: 1

Text: Explain the solution



Checklist

*The checkboxes are for your own tracking

#	Points	Details
<input checked="" type="checkbox"/> #1	1	Mention how you determine the result list (include the association logic and filters)
<input checked="" 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 checked="" type="checkbox"/> #4	1	Mention the logic for handling the username requirements

Response:

- The result list is determined by running an SQL query that gets data from the NBA_Teams table joined with the UserTeams table and the Users table, selecting team details along with the associated username, team ID, city, nickname, logo, and user ID
- The total number of items is determined by counting all associations between users and teams in the UserTeams table, while the visible result count is determined by counting the number of rows returned by the SQL statement that returns the teams based on the provided search criteria
- When a user selects to delete a single team association, team_id is collected from the form , and a SQL query is executed to delete the association between the current user and the selected team from the UserTeams table
- Handling the username requirement involves allowing users to filter teams based on the associated username. This was done by adding a filter condition to the SQL query that gets teams and joins it with the Users table to get usernames associated with each team

Task #4 - Points: 1

Text: Add related links

Checklist

*The checkboxes are for your own tracking

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

URL #1

<https://github.com/mananthakore/mmt-it202-008/pull/80>

URL #2

<https://github.com/mananthakore/mmt-it202-008/pull/81>

URL #3

<https://github.com/mananthakore/mmt-it202-008/pull/82>

URL #4

https://mmt-prod-6beda717bbfa.herokuapp.com/Project/admin/team_associations.php

^COLLAPSE ^

Task #1 - Points: 1**Text: Screenshots of this page****Checklist*****The checkboxes are for your own tracking**

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

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

id	name	city	nickname	logo	Actions
2	denville patriots	denville	patriots	adfoahsodhfouiasd	View
3	aakash 49ers	san fran	49ers	asdifuishdifu	View
4	kishan colts	ptown	colts	asdofosdf	View
5	jig seahawks	seattle	seahawks	sdhfuiuwfiweif	View
6	Chicago Bulls	Chicago	Bulls	Bulls de Chicago logo	View

screenshot of available teams page

Checklist Items (0)

Available Teams

Team Name	City	Nickname	Logo (Link)	Limit
Team Name	C	Nickname	Logo (Link)	10

Results:
4/9

Filter Clear

NBA Teams

id	name	city	nickname	logo	Actions
6	Chicago Bulls	Chicago	Bulls	Bulls_de_Chicago_logo.svg.png	<button>View</button>
7	Cleveland Cavaliers	Cleveland	Cavaliers	Cavs_de_Cleveland_logo_2017.png	<button>View</button>
30	Sacramento Kings	Sacramento	Kings	Kings_de_Sacramento_logo.svg.png	<button>View</button>
42	Chicago	Chicago	Vikings	akSDKfjksadfkjsak	<button>View</button>

screenshot of available teams page

Checklist Items (0)

Available Teams

Team Name	City	Nickname	Logo (Link)	Limit
chiefs		Nickname	Logo (Link)	10

Results:
0/9

Filter Clear

NBA Teams

No records to show

screenshot of available teams page

Checklist Items (0)

This screenshot shows the 'Available Teams' section of a web application. At the top, there are search filters for 'Team Name' (containing 'kings'), 'City' (containing 'City'), 'Nickname' ('kings'), and 'Logo (Link)'. A limit of 10 results is selected. Below the filters, it says 'Results: 2/9'. There are 'Filter' and 'Clear' buttons. The main area displays a table of NBA teams:

id	name	city	nickname	logo	Actions
30	Sacramento Kings	Sacramento	Kings	https://upload.wikimedia.org/wikipedia/fr/thumb/9/95/Kings_de_Sacramento_logo.svg/1200px-Kings_de_Sacramento_logo.svg.png	View
42	Chicago	Chicago	Vikings	akSDKfjksadfkjsak	View

screenshot of available teams page

Checklist Items (0)

This screenshot shows the 'Available Teams' section of a web application. At the top, there are search filters for 'Team Name' (containing 'kings'), 'City' (containing 'City'), 'Nickname' ('kings'), and 'Logo (Link)'. A limit of 10 results is selected. Below the filters, it says 'Results: 2/9'. There are 'Filter' and 'Clear' buttons. The main area displays a table of NBA teams. A red arrow points to the 'View' button for the Chicago row.

id	name	city	nickname	logo	Actions
30	Sacramento Kings	Sacramento	Kings	https://upload.wikimedia.org/wikipedia/fr/thumb/9/95/Kings_de_Sacramento_logo.svg/1200px-Kings_de_Sacramento_logo.svg.png	View
42	Chicago	Chicago	Vikings	akSDKfjksadfkjsak	View

proof of single view 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 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_teams.php > ...

```

...
1  <?php
2  require(__DIR__ . "/../../partials/nav.php"); // mmt 4/29/2024
3
4 // Build search form
5 $form = [
6     ["type" => "text", "name" => "name", "placeholder" => "Team Name", "label" => "Team Name", "include_margin" => false],
7     ["type" => "text", "name" => "city", "placeholder" => "City", "label" => "City", "include_margin" => false],
8     ["type" => "text", "name" => "nickname", "placeholder" => "Nickname", "label" => "Nickname", "include_margin" => false],
9     ["type" => "text", "name" => "logo", "placeholder" => "Logo (Link)", "label" => "Logo (Link)", "include_margin" => false],
10    ["type" => "number", "name" => "limit", "label" => "Limit", "value" => "10", "include_margin" => false]
11 ]; <- #5-11 $form =
12 $total_records = get_total_count("NBA_Teams` t WHERE t.id NOT IN (SELECT team_id FROM `UserTeams`)");
13
14 $query = "SELECT t.id, name, city, nickname, logo FROM `NBA_Teams` t
15 WHERE 1=1 AND (name LIKE :name OR city LIKE :city OR nickname LIKE :nickname) ORDER BY name ASC";
16
17 $stmt = $pdo->prepare($query);
18 $stmt->execute([':name' => '%' . $_POST['name'] . '%', ':city' => '%' . $_POST['city'] . '%',
19                 ':nickname' => '%' . $_POST['nickname'] . '%']);
20
21 $teams = $stmt->fetchAll(PDO::FETCH_ASSOC);
22
23 if ($total_records > 0) {
24     echo json_encode([
25         "status" => "success",
26         "data" => $teams,
27         "total_records" => $total_records
28     ]);
29 } else {
30     echo json_encode([
31         "status" => "error",
32         "message" => "No teams found"
33     ]);
34 }
35
36 
```

```

15 WHERE t.id NOT IN (SELECT team_id FROM Userteams );
16
17 $params = [];
18 $session_key = $_SERVER["SCRIPT_NAME"];
19 $is_clear = isset($_GET["clear"]);
20 if ($is_clear) {
21     session_delete($session_key);
22     unset($_GET["clear"]);
23     redirect($session_key);
24 } else {
25     $session_data = session_load($session_key);
26 }
27

```

screenshot of available_teams code

Checklist Items (0)

```

41
28 if (count($_GET) == 0 && isset($session_data) && count($session_data) > 0) [ // mmt 4/29/2024
29     if ($session_data) {
30         $_GET = $session_data;
31     }
32 ] <- #28-32 if (count($_GET) == 0 && isset($session_data) && count($sessi...      Manan Thakore, yesterday • more
33
34 if (count($_GET) > 0) {
35     session_save($session_key, $_GET);
36     $keys = array_keys($_GET);
37
38     foreach ($form as $k => $v) {
39         if (in_array($v["name"], $keys)) {
40             $form[$k]["value"] = $_GET[$v["name"]];
41         }
42     } <- #38-42 foreach ($form as $k => $v)
43
44     // Filter by team name
45     $name = se($_GET, "name", "", false);
46     if (!empty($name)) {
47         $query .= " AND name LIKE :name";
48         $params[":name"] = "%$name%";
49     }
50
51     // Filter by city
52     $city = se($_GET, "city", "", false);
53     if (!empty($city)) {
54         $query .= " AND city LIKE :city";
55         $params[":city"] = "%$city%";
```

screenshot of available_teams code

Checklist Items (0)

```

58     // Filter by nickname
59     $nickname = se($_GET, "nickname", "", false);
60     if (!empty($nickname)) [ // mmt 4/29/2024      You, 59 minutes ago • Uncommitted changes
61         $query .= " AND nickname LIKE :nickname";
62         $params[":nickname"] = "%$nickname%";
63     }
64
65     // Filter by logo (link)
66     $logo = se($_GET, "logo", "", false);
67     if (!empty($logo)) {
68         $query .= " AND logo LIKE :logo";
69         $params[":logo"] = "%$logo%";
70     }
71     try {
72         $team = (new TeamController())
73             ->getAvailableTeams($query, $params);
74     } catch (\Exception $e) {
75         $error = $e->getMessage();
76     }
77
78     $response = [
79         "available_teams" => $team,
80         "error" => $error
81     ];
82     echo json_encode($response);
83 }
```

```
72     $limit = (int)se($_GET, "limit", "10", false);
73 } catch (Exception $e) {
74     $limit = 10;
75 }
76 if ($limit < 1 || $limit > 100) {
77     $limit = 10;
78 }
79 } <- #34-79 if (count($_GET) > 0)
80
81 $db = getDB();
82 $stmt = $db->prepare($query);
83 $results = [];
84 try {
85     $stmt->execute($params);
86     $r = $stmt->fetchAll();
```

screenshot of available_teams code

Checklist Items (0)

```
90 } catch (PDOException $e) {
91     error_log("Error fetching NBA teams: " . var_export($e, true));
92     flash("Unhandled error occurred", "danger");
93 }
94
95 $table = [
96     "data" => $results,
97     "title" => "NBA Teams",      Manan Thakore, yesterday + more user association
98     "ignored_columns" => ["team_id"], ["user_id"], // mmt 4/29/2024
99     // Add edit and delete URLs if needed
100    // "edit_url" => get_url("edit_teams.php"),
101    // "delete_url" => get_url("delete_teams.php"),
102    "view_url" => get_url("team.php"),
103    "primary_key" => "id"
104]; <- #95-104 $table =
105?>
106<div class="container-fluid">
107    <h3>Available Teams</h3>
108    <form method="GET">
109        <div class="row mb-3" style="align-items: flex-end;">
110            <?php foreach ($form as $k => $v) : ?>
111                <div class="col">
112                    <?php render_input($v); ?>
113                </div>
114            <?php endforeach; ?>
115            <?php if (isset($userData["username"])) : ?>
116                <div class="card-header">
```

screenshot of available_teams code

Checklist Items (0)

```
116                <div class="card-header">
117                    Owned By: <?php se($userData, "username", "N/A"); ?>
118                </div>
119            <?php endif; ?>
120        </div>
121        <?php render_result_counts(count($results), $total_records); ?>
122        <?php render_button([ "text" => "Search", "type" => "submit", "text" => "Filter"]); ?>
123        <a href="?clear" class="btn btn-secondary">Clear</a>
124    </form> <!-- mmt 4/30/2024 -->
```

```

125     Manan Thakore, yesterday • more user association
126     <?php render_table($table); ?>
127     <div class = "row">
128         <?php foreach($results as $teamData):?>
129             <div class = "col"></div>
130         <?php endforeach;?>
131     </div>
132
133     <?php require_once(__DIR__ . "/../../../../partials/flash.php"); ?>
134

```

screenshot of available_teams code

Checklist Items (0)

Task #3 - Points: 1

Text: Explain the solution

Checklist

*The checkboxes are for your own tracking

#	Points	Details
#1	1	Mention how you determine the result list (include the unassociated logic and filters)
#2	1	Mention the logic behind the two counts (total items and visible result count)

Response:

The result list is determined by running an SQL query that selects teams from the NBA_Teams table where the team ID is not associated with any entry in the UserTeams table, applying filters for team name, city, nickname, and logo. Two counts are calculated: the total count of available teams and the count of visible results after applying filters. The total count is found by counting rows in the NBA_Teams table where the team_id is not associated with any value in UserTeams.

Task #4 - Points: 1

Text: Add related links

Checklist

*The checkboxes are for your own tracking

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

URL #1

<https://github.com/mananthakore/mmt-it202-008/pull/80>

URL #2

<https://github.com/mananthakore/mmt-it202-008/pull/81/files>

URL #3

<https://github.com/mananthakore/mmt-it202-008/pull/81/files>

URL #4

https://mmt-prod-6beda717bbfa.herokuapp.com/Project/available_teams.php

● 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
#1	1	Show the search form with valid data
#2	1	Show the results of the search
#3	1	Show the result of entities and users being associated and unassociated
#4	1	Make sure the heroku dev url is visible in the address bar
#5	1	Clearly caption screenshots

Task Screenshots:

Gallery Style: Large View

Small

Medium

Large

← → ⌂

https://mmt-dev-0918b5efff5c.herokuapp.com/Project/admin/assign_teams.php

Getting Started Google YouTube

DunkData Home Profile NBA Teams Available My NBA Teams Roles Team Management Logout

Associate Teams

Team Search Username Search Search

Teams Users

Create Associations

screenshot of assign_teams page

Checklist Items (0)

The screenshot shows a web browser window with the URL https://mmt-dev-0918b5efff5c.herokuapp.com/Project/admin/assign_teams.php. The page title is "Associate Teams". At the top, there is a search bar with two input fields: one containing "Sacramento" and another containing "manan", followed by a blue "Search" button. Below the search bar, there are two sections: "Teams" on the left and "Users" on the right. The "Teams" section contains a single result: "Sacramento Kings" with an associated checkbox. The "Users" section contains two results: "manan04" and "manan26", each with its own checkbox. At the bottom left, there is a grey button labeled "Create Associations".

screenshot of assign_teams page

Checklist Items (2)

#1 Show the search form with valid data

#2 Show the results of the search

The screenshot shows a web browser window with the URL https://mmt-dev-0918b5efff5c.herokuapp.com/Project/admin/assign_teams.php. The page title is "Associate Teams". At the top, there is a navigation bar with links: Home, Profile, NBA Teams, Available, My NBA Teams, Roles, Team Management, and Logout. Below the navigation bar, a green success message box displays "Association updated". Further down, a yellow warning message box displays the error "Entity identifier cannot be empty".

Entry identifier cannot be empty

Username cannot be empty

Associate Teams

Team Search

Username Search

Search

Teams

Users

Create Associations

screenshot of assign_teams after association gets updated

Checklist Items (0)

Task #2 - Points: 1

Text: Screenshots of the code

Checklist

*The checkboxes are for your own tracking

#	Points	Details
#1	1	Search form field for finding a partial match of usernames
#2	1	Search form field for finding a partial match of entities
#3	1	Code related to getting a max of 25 results for each field (i.e., 25 users and 25 entities limit)
#4	1	Code that generates the checkboxes next to each list (users and entities)
#5	1	Code related to submitting the checkbox lists
#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)
#7	1	Include ucid/date comments for each code screenshot
#8	1	Clearly caption screenshots

Task Screenshots:

Gallery Style: Large View

Small

Medium

Large



```

<?php

require(__DIR__ . "/../../../../partials/nav.php"); // mmt 4/29/2024

if (!has_role("Admin")) { // Manan Thakore, 6 hours ago * admin stuff, minor bug fixes
    flash("You don't have permission to view this page", "warning");
    redirect('home.php');
}

if ($_SERVER["REQUEST_METHOD"] === "POST") {
    if (isset($_POST["entities"]) && isset($_POST["users"])) {
        $entityIdentifiers = $_POST["entities"];
        $userIds = $_POST["users"];
        if (empty($entityIdentifiers) || empty($userIds)) {
            flash("Entities and users need to be selected", "warning");
        } else {
            $db = getDB();
            $stmt = $db->prepare("INSERT INTO UserTeams (user_id, team_id, is_active) VALUES (:userId, :teamId, 1)
                ON DUPLICATE KEY UPDATE is_active = IF(is_active = 1, 0, 1)");
            foreach ($entityIdentifiers as $teamId) {
                foreach ($userIds as $userId) {
                    try {
                        $stmt->execute([":userId" => $userId, ":teamId" => $teamId]);
                        flash("Association updated", "success");
                    } catch (PDOException $e) {
                        flash(var_export($e->errorInfo, true), "danger");
                    }
                }
            }
        }
    }
}

```

screenshot of admin association code

Checklist Items (1)

#6 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)

```

34     $entities = [];
35     $entityIdentifier = "";
36
37     if ($_SERVER["REQUEST_METHOD"] === "POST") {
38         $entityIdentifier = $_POST["entity_identifier"] ?? "";
39
40         if (!empty($entityIdentifier)) [ // mmt 4/29/2024 You, 6 hours ago * Uncommitted changes
41             $db = getDB();
42             $stmt = $db->prepare("SELECT id, name FROM `NBA_Teams` WHERE name LIKE :entityIdentifier LIMIT 25");
43
44             try {
45                 $stmt->execute([":entityIdentifier" => "%$entityIdentifier%"]);
46                 $entities = $stmt->fetchAll(PDO::FETCH_ASSOC);
47             } catch (PDOException $e) {
48                 flash(var_export($e->errorInfo, true), "danger");
49             }
50         } else {
51             flash("Entity identifier cannot be empty", "warning");
52         }
53     } <- #37-53 if ($_SERVER["REQUEST_METHOD"] === "POST")
54
55     $users = [];
56     $username = "";
57
58     if ($_SERVER["REQUEST_METHOD"] === "POST") {
59         $username = $_POST["username"] ?? "";
60
61         if (!empty($username)) {
62             $stmt = $db->prepare("SELECT id, name FROM `Users` WHERE username = :username");
63             $stmt->execute([":username" => $username]);
64             $user = $stmt->fetch(PDO::FETCH_ASSOC);
65             if ($user) {
66                 $userId = $user["id"];
67                 $name = $user["name"];
68
69                 if (!in_array($userId, $userIds)) {
70                     $stmt = $db->prepare("INSERT INTO UserTeams (user_id, team_id, is_active) VALUES (:userId, :teamId, 1)
71                         ON DUPLICATE KEY UPDATE is_active = IF(is_active = 1, 0, 1)");
72                     $stmt->execute([":userId" => $userId, ":teamId" => $teamId]);
73                     flash("Association updated", "success");
74                 } else {
75                     flash("User already associated with this team", "warning");
76                 }
77             } else {
78                 flash("User not found", "danger");
79             }
80         }
81     }

```

screenshot of admin association code

Checklist Items (3)

#2 Search form field for finding a partial match of entities

#3 Code related to getting a max of 25 results for each field (i.e., 25 users and 25 entities limit)

#6 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)

```

55 $users = [];
56 $username = "";
57
58 if ($_SERVER["REQUEST_METHOD"] === "POST") {
59     $username = $_POST["username"] ?? "";
60
61     if (!empty($username)) { // mmt 4/29/2024
62         $db = getDB();
63         $stmt = $db->prepare("SELECT id, username FROM Users WHERE username LIKE :username LIMIT 25");
64
65         try {
66             $stmt->execute([":username" => "%$username%"]);
67             $users = $stmt->fetchAll(PDO::FETCH_ASSOC);
68         } catch (PDOException $e) {
69             flash(var_export($e->errorInfo, true), "danger");
70         }
71     } else {
72         flash("Username cannot be empty", "warning");
73     }
74 } <- #58-74 if ($_SERVER["REQUEST_METHOD"] === "POST")
75 ?>
76
77 <div class="container-fluid">
78     <h1>Associate Teams</h1>
79     <form method="POST">
80         <div class="row">
81             <div class="col">
82                 <?php render_input(["type" => "search", "name" => "entity_identifier", "placeholder" => "Team Search"])>

```

Screenshot of admin association

Checklist Items (3)

#1 Search form field for finding a partial match of usernames

#3 Code related to getting a max of 25 results for each field (i.e., 25 users and 25 entities limit)

#6 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)

```

77 <div class="container-fluid">
78     <h1>Associate Teams</h1>
79     <form method="POST">    Manan Thakore, 7 hours ago • admin stuff, minor bug fixes
80         <div class="row">
81             <div class="col">
82                 <?php render_input(["type" => "search", "name" => "entity_identifier", "placeholder" => "Team Search", "value" => $team_id])>
83             </div>
84             <div class="col">
85                 <?php render_input(["type" => "search", "name" => "username", "placeholder" => "Username Search", "value" => $user_id])>
86             </div>
87             <div class="col">

```

```
87         <div class="col">
88             <?php render_button(["text" => "Search", "type" => "submit"]); // mmt 4/29/2024?>
89         </div>
90     </div>
91 </form>
92 <form method="POST">
93     <div class="row">
94         <div class="col">
95             <h3>Teams</h3>
96             <table class="table">
97                 <?php foreach ($entities as $entity) : ?>
98                 <tr>
99                     <td>
100                         <?php render_input(["type" => "checkbox", "id" => "team_" . se($entity, 'id', "", false), "checked" => true]); ?>
101                     </td>
102                 </tr>
103             <?php endforeach; ?>
104         </table>
```

screenshot of admin association code

Checklist Items (2)

#4 Code that generates the checkboxes next to each list (users and entities)

#5 Code related to submitting the checkbox lists

```
    <?php endforeach; ?>
    </table>
</div>
<div class="col">
    <h3>Users</h3>
    <table class="table">
        <?php foreach ($users as $user) : ?>
        <tr>
            <td>Manan Thakore, 7 hours ago * admin stuff, minor bug fixes
            <?php render_input(["type" => "checkbox", "id" => "user_" . se($user, 'id', "", false), "checked" => true]); ?>
            </td>
        </tr>
    <?php endforeach; // mmt 4/29/2024 ?>
    </table>
</div>
<?php render_button(["text" => "Create Associations", "type" => "submit", "color" => "secondary"]); ?>
</form>
</div>

<?php require_once(__DIR__ . "/../../../../partials/flash.php"); ?>
#10-124 if ($_SERVER["REQUEST_METHOD"] === "POST")
```

screenshot of admin association code

Checklist Items (2)

#4 Code that generates the checkboxes next to each list (users and entities)

#5 Code related to submitting the checkbox lists



Task #3 - Points: 1

Text: Explain the solution

Checklist

*The checkboxes are for your own tracking

#	Points	Details
#1	1	Describe the steps for the search and how it works for users and entities
#2	1	Mention how you built the UI for this
#3	1	Describe the steps for the associate/unassociate logic for the combination of users and entities

Response:

For teams, the script gets teams whose names partially match the entered search term from the "NBA_Teams" table with a LIKE clause. Similarly, for users, it returns users whose usernames partially match the entered search term from the "Users" table. The retrieved teams and users are then displayed in tables with checkboxes next to each entry, allowing the admin to select the entities they want to associate. After selecting the teams and users, the admin can submit the form again to create associations between the selected teams and users. The UI is built using HTML and Bootstrap classes, with PHP used to render the input fields, checkboxes, and tables based on the retrieved data.



Task #4 - Points: 1

Text: Add related links

Checklist

*The checkboxes are for your own tracking

#	Points	Details
#1	1	Include the heroku prod link for the page that creates the association
#2	1	Add the pull request link for the branch related to this feature Note: the link should end <code>v1pull/#</code> . Same pull request shouldn't be used for each feature

URL #1

<https://github.com/mananthakore/mmt-it202-008/pull/81>

URL #2

<https://github.com/mananthakore/mmt-it202-008/pull/82>

URL #3

https://mmt-prod-6beda717bbfa.herokuapp.com/Project/admin/assign_teams.php



Misc (1 pt.)

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

The screenshot shows a GitHub project board with three columns: Todo, In Progress, and Done. The Todo column has 0 items. The In Progress column has 0 items. The Done column has 3 items, each with a checkmark and a link: mmt-it202-008 #73 MS3 - API Data Association, mmt-it202-008 #74 MS3 - Handle the association of data to a user, and mmt-it202-008 #76 MS3 - All Users association page.

screenshot of project board

Task #2 - Points: 1

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

URL #1

<https://github.com/users/mananthakore/projects/1/views/1>

Task #3 - Points: 1

Text: Talk about any issues or learnings during this assignment

Response:

- One issue that I was having was with my remove all filtered button not working properly, which I was able to fix

- Another big issue that I had was with my available teams not correctly showing how many teams were actually available, which I was able to fix due to an error in my available_teams.php file.
- Another issue that I had was my single view not working across all the pages, however, I was able to fix that as well
- Overall, I was able to learn a lot from this milestone as it taught me how to associate my data with users
- While this project was tough as it was my first time working with an API, I enjoyed learning about how to create a full stack web app.

Task #4 - Points: 1

Text: WakaTime Screenshot

Details:

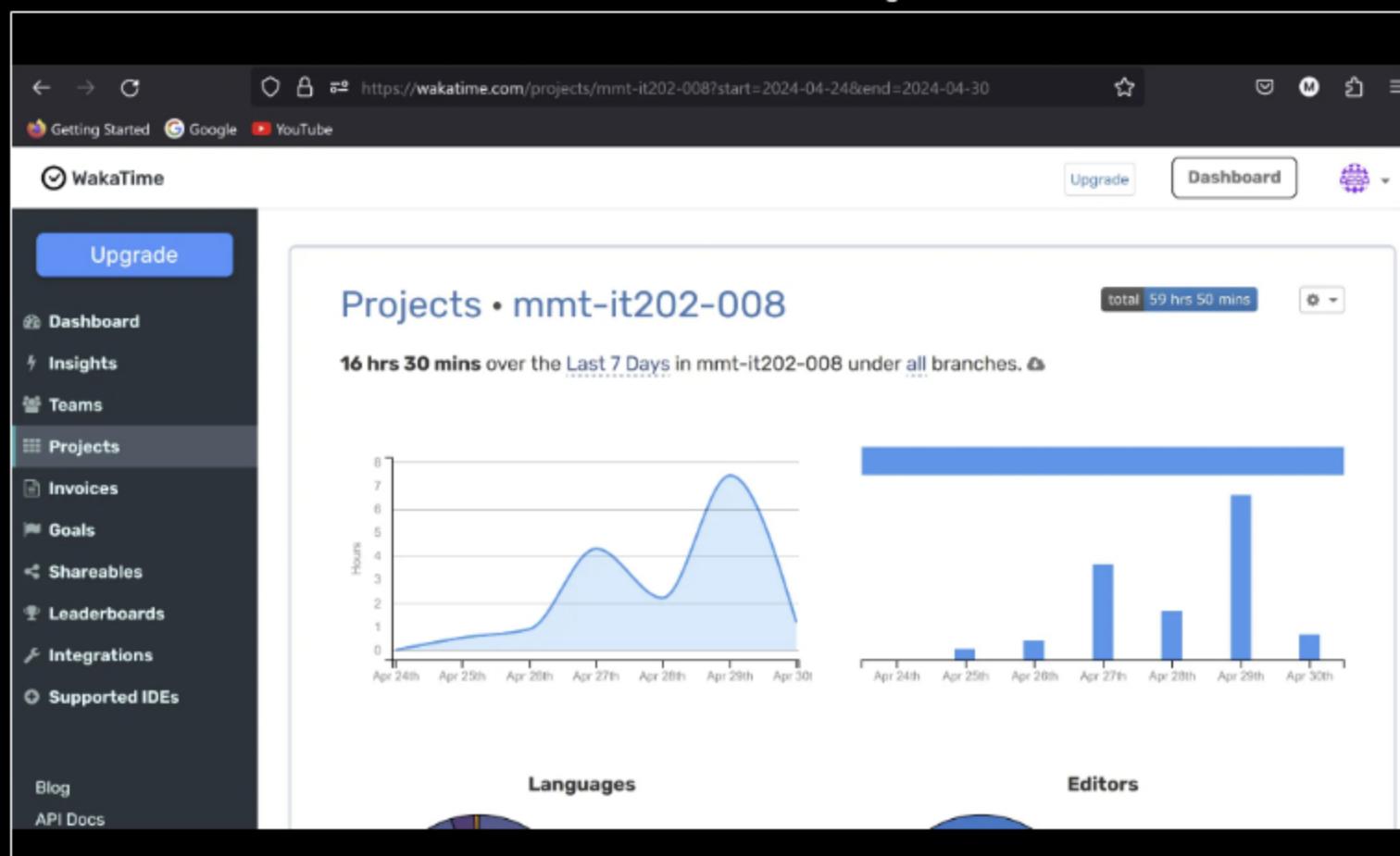
Task Screenshots:

Gallery Style: Large View

Small

Medium

Large



screenshot of waka time

