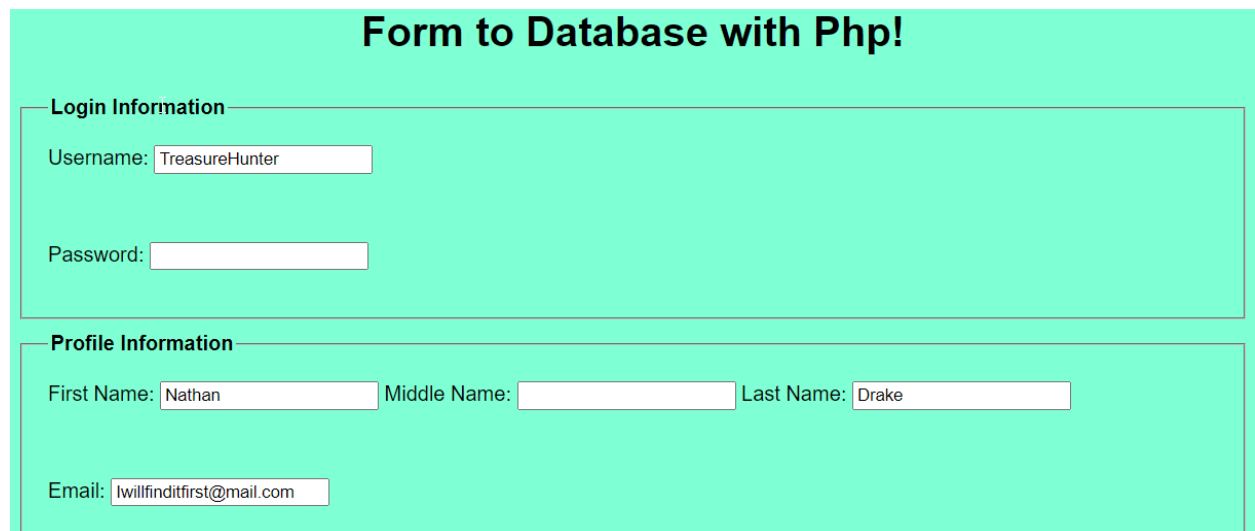**Arizona State University**
**IFT 458 Daniel Neal**
**Project Deliverable 6**
**David Adams & Amanda Ramirez**
**10/1/2021**

**Introduction:**
 This week we will be adding to our connection script's functionality, we want to be able to use it to perform the CRUD operations. The Create operation we already have we had created before in project deliverable 4, to take input information from the registration form and input it into the database. We also used the Read operation in project deliverable 5 to search the database for records in the indicated table that had records to match the input search value. The Update operation was kind of used in that same project deliverable when we took a csv file and loaded into the database. The last operation, Delete, will be one that we will need to write this week. These operations are important when understanding how to execute as these are the functions that we will use to interact with stored data with any web pages we create or work on in the future.

**Description of Work:**
 Create operation: For the create operation we used our registration form, from which information will be taken and added to our members table.



*Figure 7.1 : Shows filled out Registration form for new user "TreasureHunter."*

| | | | | username | password ▲ 1 | fname | mname | lname | email |
|---|---|---|---|---|---|---|---|---|---|
| ☐ | ✎ Edit | ⌹ Copy | ⊖ Delete | alrampaz | | Amanda | L | Ramirez | amanda@amanda.com |
| ☐ | ✎ Edit | ⌹ Copy | ⊖ Delete | AvgJoe | 12223Ad | Joe | B | Smith | avgJoe1@mail.com |
| ☐ | ✎ Edit | ⌹ Copy | ⊖ Delete | Jdeere | 54321A | John | T | Deere | JDTractor@mail.com |
| ☐ | ✎ Edit | ⌹ Copy | ⊖ Delete | Ppatty | 568sssT | Patricia | P | Doe | pPatty45@gmail.com |
| ☐ | ✎ Edit | ⌹ Copy | | TreasureHunter | adventure | Nathan | | Drake | Iwillfinditfirst@mail.com |
| ☐ | ✎ Edit | ⌹ Copy | ⊖ Delete | Einstein | albert | Albert | | Einstein | genius01@mail.com |
| ☐ | ✎ Edit | ⌹ Copy | ⊖ Delete | DinoDan | cr8zy4Dinos | Daniel | H. | Dino | dinoDan1@mail.com |
| ☐ | ✎ Edit | ⌹ Copy | ⊖ Delete | Bbetty | Fecd34 | Betty | B | Bitter | bitterBetty@mail.com |

*Figure 7.2: Shows that user "TreasureHunter" was added to the members table in the database.*

Read operation: To demonstrate our use of the read operation we made a search page to allow a member to search for their profile if it, and notify them if it doesn't exist.



*Figure 7.3: Shows the form entry to find the user with the first name "Albert" on our members table.*

| RESULTS TABLE | | |
|---|---|---|
| **USERNAME** | **FIRST NAME** | **LAST NAME** |
| Einstein | Albert | Einstein |

Didn't find your profile?

Try different search
Register as a new member
Search complete!

*Figure 7.4: Shows the result from the Read function.*

Update operation: To demonstrate our use of the update function, we used a simple update form that checks that the username and password match our records and if it does the members table will be updated to the new information.



*Figure 7.5: This shows the members table prior to the update so that the change can be seen.*

Figure 7.6: Shows the Update form filled out with the information to change. But with the wrong password!


Figure 7.7: Shows the error message because the password did not match.


Figure 7.8: Shows the password was fixed on the update form.


Figure 7.9: The message printed when the password was correct.

*Figure 7.10: Points out the Updated "AvgJoe" profile in the members table.*

Delete operation: To demonstrate our delete operation use, we created a page where the user may delete their member profile should their username and password match a record on our members table.



*Figure 7.11 : Form input to delete "TomCat" from the database.*

| Browse | Structure | SQL | Search | Insert | Export | Import | Privileges |

Showing rows 0 - 7 (8 total, Query took 0.0007 seconds.) [password: ... - FECD34...]

```sql
SELECT * FROM `members` ORDER BY `password` ASC
```

☐ Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]

☐ Show all | Number of rows: 25 ∨ | Filter rows: Search this table | Sort by key: None

+ Options

| | | | username | password | 1 | fname | mname | lname | email |
|---|---|---|---|---|---|---|---|---|---|
| ☐ | 🖉 Edit | 📋 Copy | ⊖ Delete | alrampaz | | | Amanda | L | Ramirez | amanda@amanda.com |
| ☐ | 🖉 Edit | 📋 Copy | ⊖ Delete | AvgJoe | 12223Ad | | Joe | B | Smith | avgJoe1@mail.com |
| ☐ | 🖉 Edit | 📋 Copy | ⊖ Delete | Jdeere | 54321A | | John | T | Deere | JDTractor@mail.com |
| ☐ | 🖉 Edit | 📋 Copy | → TomCat | 548sdk | | Thomas | Jerrald | Show | TJShow@mail.com |
| ☐ | 🖉 Edit | 📋 Copy | ⊖ Delete | Ppatty | 568sssT | | Patricia | P | Doe | pPatty45@gmail.com |

*Figure 7.12 : Shows user "TomCat" is in our members table.*

Your membership has been deleted. We are sorry to see you go, but we will be here when you're ready to come back!

Register as a new member;
Update your member profile;
Search for your member profile;
Delete Membership;

*Figure 7.13 : Shows the Page after delete function has been processed.*

☐ Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]

☐ Show all | Number of rows: 25 ∨ | Filter rows: Search this table | Sort by key: None

+ Options

| | | | username | password | 1 | fname | mname | lname | email |
|---|---|---|---|---|---|---|---|---|---|
| ☐ | 🖉 Edit | 📋 Copy | ⊖ Delete | alrampaz | | | Amanda | L | Ramirez | amanda@amanda.com |
| ☐ | 🖉 Edit | 📋 Copy | ⊖ Delete | AvgJoe | 12223Ad | | Joe | B | Smith | avgJoe1@mail.com |
| ☐ | 🖉 Edit | 📋 Copy | ⊖ Delete | Jdeere | 54321A | | John | T | Deere | JDTractor@mail.com |
| ☐ | 🖉 Edit | 📋 Copy | ⊖ Delete | Ppatty | 568sssT | | Patricia | P | Doe | pPatty45@gmail.com |
| ☐ | 🖉 Edit | 📋 Copy | ⊖ Delete | Einstein | albert | | Albert | | Einstein | genius01@mail.com |
| ☐ | 🖉 Edit | 📋 Copy | ⊖ Delete | DinoDan | cr8zy4Dinos | | Daniel | H. | Dino | dinoDan1@mail.com |
| ☐ | 🖉 Edit | 📋 Copy | ⊖ Delete | Bbetty | Fecd34 | | Betty | B | Bitter | bitterBetty@mail.com |

*Figure 7.14 : Shows the members table without username "TomCat" after delete executed.*

**User Manual:**

        To utilize the script that we have written this week a user would simply need to ensure that the associated files are in a location their local server can access. Launch their local server and then go to the html file through their local server in their web browser. From that web page they will be able to execute all the CRUD operations discussed in this portion of the project.

**Conclusion:**

        This week's work allowed us to work more with database connections and functions through our webpage php code. It is important to be able to use the essential CRUD functions because they are the main functions used to manipulate stored database records. There was immediate gratification once we were able to get these functions to play out and reflect our work in our database. Overall, this week's work was not only refining skills that we will use in our future careers but also fun because we were able to play with our code and make it do the operations that we see on the internet everyday.

**GitHub Link:**

        **[Alrampaz816/japigit_-Adams-Ramirez- (github.com)](github.com)**