

### ITP 303 Final Project Summary

**INSTRUCTIONS:** Type out your answer directly below each question. If a question does not apply to your project, type in N/A. When finished, save this file as a PDF and upload it to the itpwebdev server via FileZilla. Then, add a link to this PDF in your student\_page.html. Label it "Final Project Summary."

#### **BASICS**

**Your name?**

Phil Yang

**What is the topic of your final project?**

My topic was a meme page that shows you the latest memes and allows you to save your favorites.

**Who is the intended audience?**

The intended audience is young people who enjoy scrolling through memes.

**Provide a brief summary of the functionalities of your project.**

The main functionalities are:

- Creating a unique account (create)

- Loads data from API to create records in memes table (create)

- Has a refresh button to reload the data from the API

- Auto-refreshes when logging in

- Retrieving password for an account (via email) (read)

- Signing into an account (read)

- Adding memes to favorites (create)

- Deleting memes from favorites (delete)

- Changing password of account (update)

- Changing color of background- only for favorite's page

#### **FRONT-END**

**What is the total page count?**

11

**List the names of any external stylesheet used in this project below.**

create.css

favorite.css

get\_started.css

home.css

login.css

page2.css

**List any CSS libraries/frameworks used in this project (e.g. Bootstrap) below.**

bootstrap and fontawesome for icons

**List any JavaScript libraries/frameworks used in this project below.**

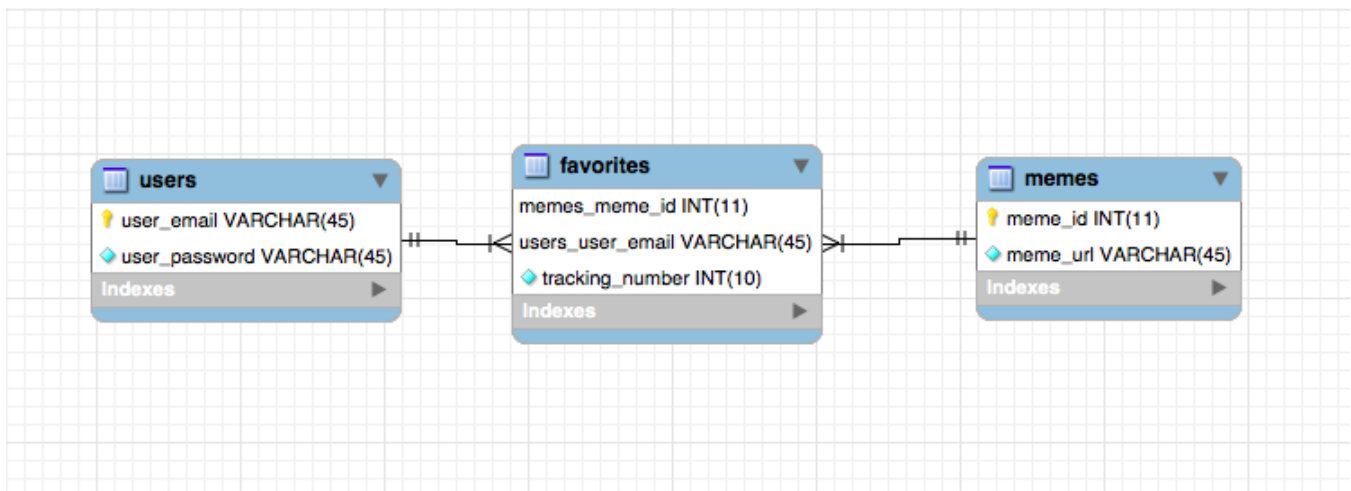
AJAX and jQuery

**How does your project meet the Interactivity requirement?**

In the favorites page, I allow the user to change the background color of the webpage by using "onclick".

### BACK-END

**Attach a screenshot of the final database diagram (just the diagram, do not include any records) below.**



**Where in your project do you insert a record to the database (the 'C' in CRUD)?**

I allow users to create a new account which will create a new record to the users table. Also when the user favorites a photo, a new record is created in the favorites table. When the user logs in successfully, I call the API to enter records into the database (does not allow repeats). There is also a refresh button on each page to call the API again to see if there are new records to be added.

**Where in your project do you search and display record(s) from the database (the 'R' in CRUD)?**

When the user enters their login information, I search/read the users database to check if an account is associated with their information. Also when the user is attempting to create a new account, I read to see if their email has already been used.

**Where in your project do you update and existing record(s) the database (the 'U' in CRUD)?**

User can update their password in the “change password” tab.

**Where in your project do you delete existing record(s) from the database (the ‘D’ in CRUD)?**

When the users “unfavorites” a meme in the “favorites” tab, I delete the record of that meme and user from the favorites table.

### MISC

**What two “extra” requirements did you implement and where can they be found?**

I used an API to load the front page and to create the memes table in the database. This can be found in my “home.php” page as well as “page2.php”.

I also used the PHP mail function in my “forgot.php” page to send the user their password if forgotten.

**If you used any APIs or JS plugins/frameworks as one of the extra requirements, list the name and a link to their documentation.**

Imgflip API

<https://api.imgflip.com/>

AJAX

<https://developers.google.com/speed/libraries/>

**If your project requires any admin credentials (i.e. only admin users can access a certain page), list the credentials below.**

N/A

**Provide any other information that you think the grader/instructor should know when grading your final project below.**

I added a “create” button under the “favorite” button for every image and did not implement it because I had already met the requirements. This was an initial idea that was added, and I kept it so I could expand the website on my own time.