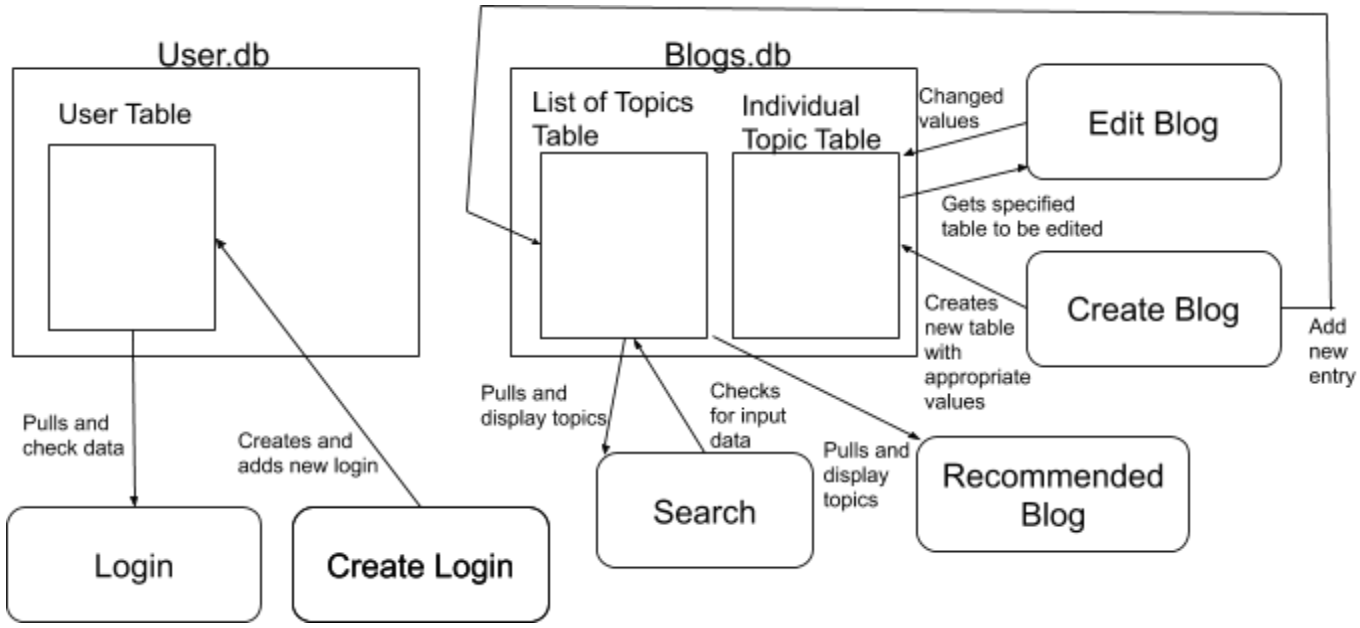
Team Name: Post Water America
Team Roster: Brandon Chen, Kenneth Chin, Biraj Chowdhury, Albert Wan

Plan

You access any of the website, you would have to log in. Each user has a unique username and any display name of their choosing. Each user will only have ONE blog consisting of multiple topics and multiple entries per topic.

Components

- Login function: Users would be prompted to login with an existing username and password in our database.
    - There will be an associated display name for each account.
- Create a login: If users don't have an existing username and password, they are able to create one along with a display name.
    - The username and display name must not be in the database already.
- Navigation bar: There will be a bar on the top to allow the user to log in or create an account.
    - Once logged in, additional buttons will be displayed on the navigation bar which are navigation to the homepage with blog recommendations, view/edit their own blogs, a search bar, and a log out.
- Search bar: Anyone can search for any blogs with a title matching the input, even if they are not logged in.
    - The search result should have all blog titles with a matching string as the input anywhere in the title.
- Create a blog: After logging in, the user should be able to view all of their existing blogs on one page and add another if they choose to.
    - The user will have to fill out a form in order to create a blog successfully.
- Edit a blog: After logging in, the user can view all of their existing blogs and could choose to edit them but only the ones that they wrote.
- Recommended blogs: The user will be given a list of recommended blogs that they could view.
    - These recommended blogs are chosen by the total number of views they have.
    - There will be a display for newest/latest blog as well.



Databases

We plan to use one database. There are 2 preliminary tables, users and topics. For each blog created, there will be a table designated to that blog.

Database.db

Tables

- Users table: contains username, password, and a display name for each registered user
- Topics table: contains blog topics, a blog number, and the username of the creator of the blog
- Table for each blog topic: contains the entries of each blog. For each entry, there is the username of the person who wrote the entry.

Database.db

#each blog Topic gets its own table to keep track of the entries

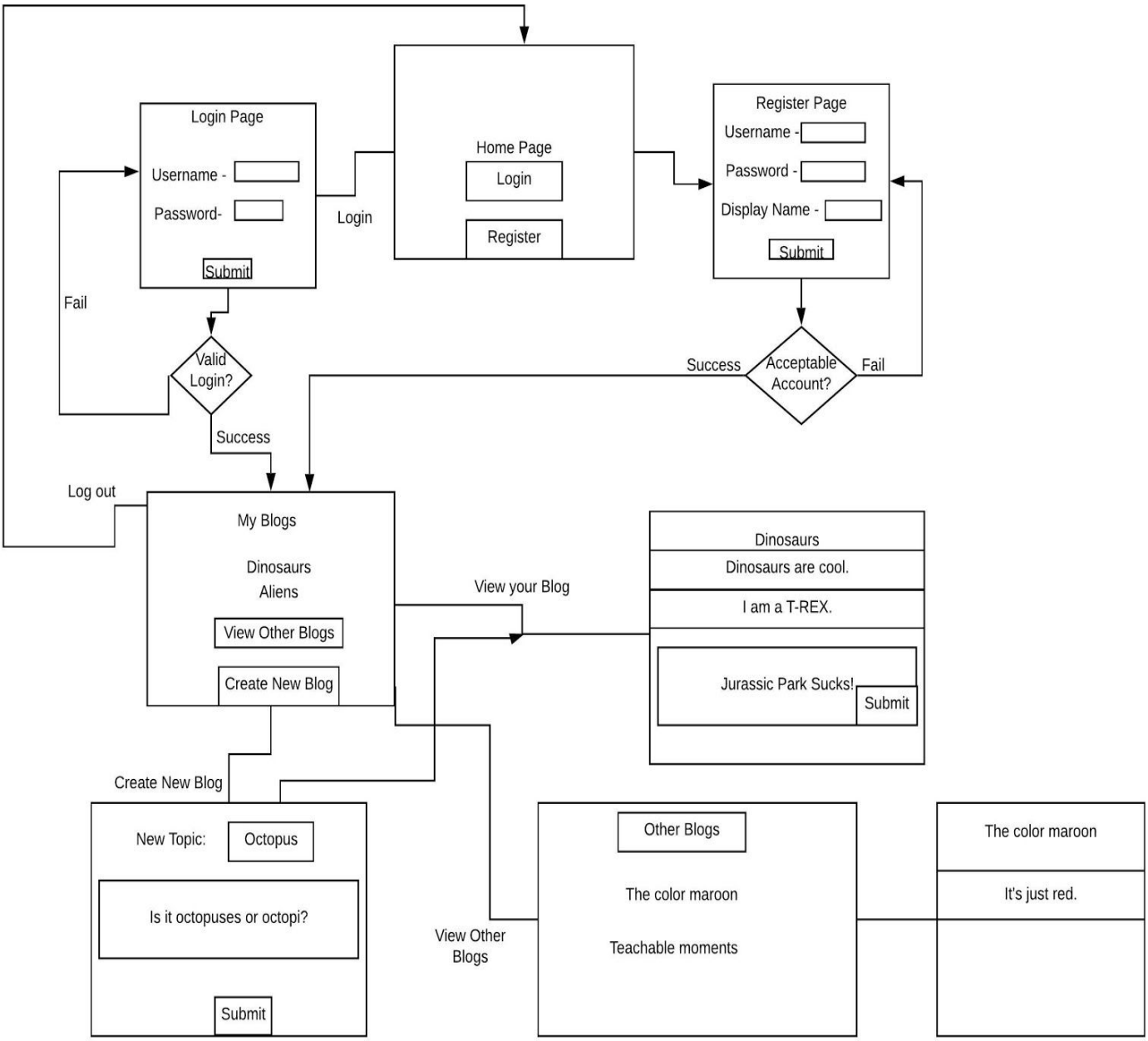
Users Table		
Username	password	displayName
abcd	1234	John wick
cars	abcd	Abe

Topics table		
blogTopic	blogNumber	creator
dinosaur	1	John wick
octopus	2	Abe

Blog2 table	
entries	username
lpoiewrad	John wick
92834adf	John wick

Blog1 table	
entries	username
asdfasdkf	Abe
las;glakdfj	John wick

Site Map


Login Page
Username -
Password-
Submit
Login
Home Page
Login
Register
Register Page
Username -
Password -
Display Name -
Submit
Fail
Valid Login?
Success
Success
Acceptable Account?
Fail
Log out
My Blogs
Dinosaurs
Aliens
View Other Blogs
Create New Blog
View your Blog
Dinosaurs
Dinosaurs are cool.
I am a T-REX.
Jurassic Park Sucks!
Submit
Create New Blog
New Topic:
Octopus
Is it octopuses or octopi?
Submit
View Other Blogs
Other Blogs
The color maroon
Teachable moments
The color maroon
It's just red.

Dividing the tasks:

Frontend

- write html files for the web pages --Brandon/Albert
- write python code to access the data --Brandon/Albert

Backend

- write python scripts that take the user's input from html code and interprets it. (new topic / old topic) (edit topic data etc) --Kenneth/Biraj
- write python code to store/edit/access data in the tables in SQlite databases --Kenneth/Biraj