

Team Name: Post Water America

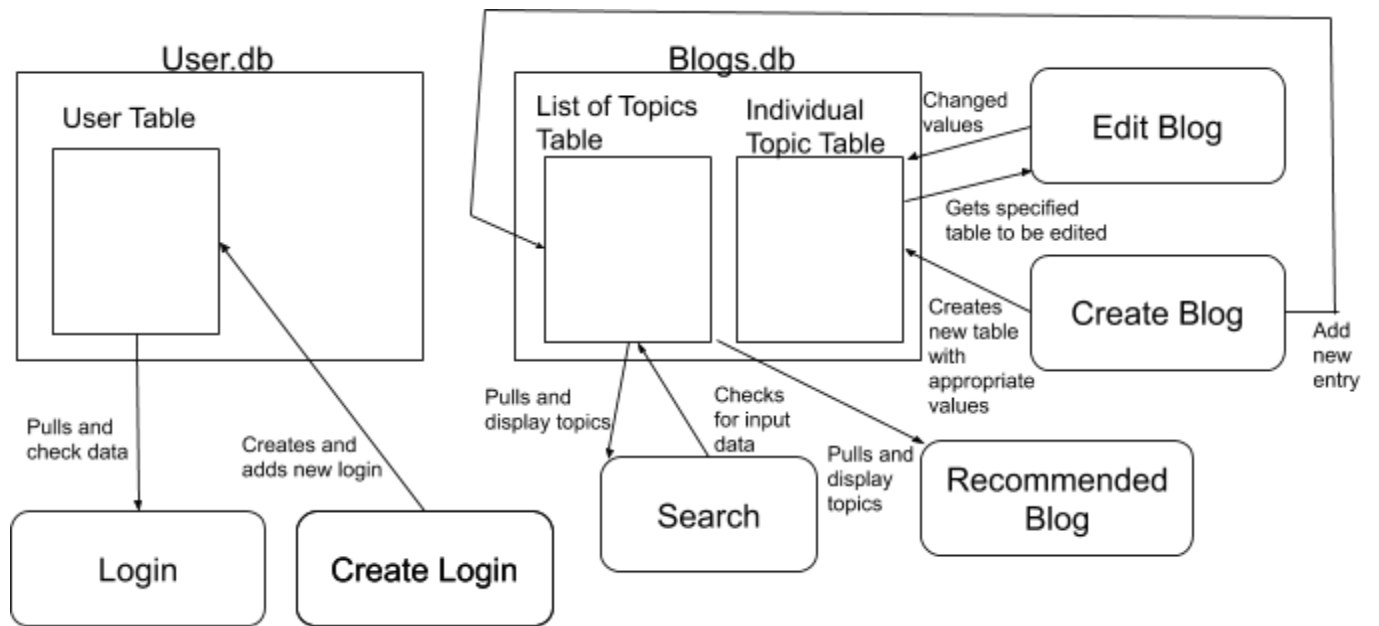
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## Plan

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 many blogs with an entry. Each user will be able to view the users' blogs.

## 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 that directs to 4 different pages. One is the homepage, one is to create a blog, one to view other blogs, and one to logout.
- 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.
- View Other blogs: This page allows a logged in user to view other people's blog sorted by topic



## **Databases**

We plan to use one database. There will be a users tables and a blogs table

### **Database.db**

#### Tables

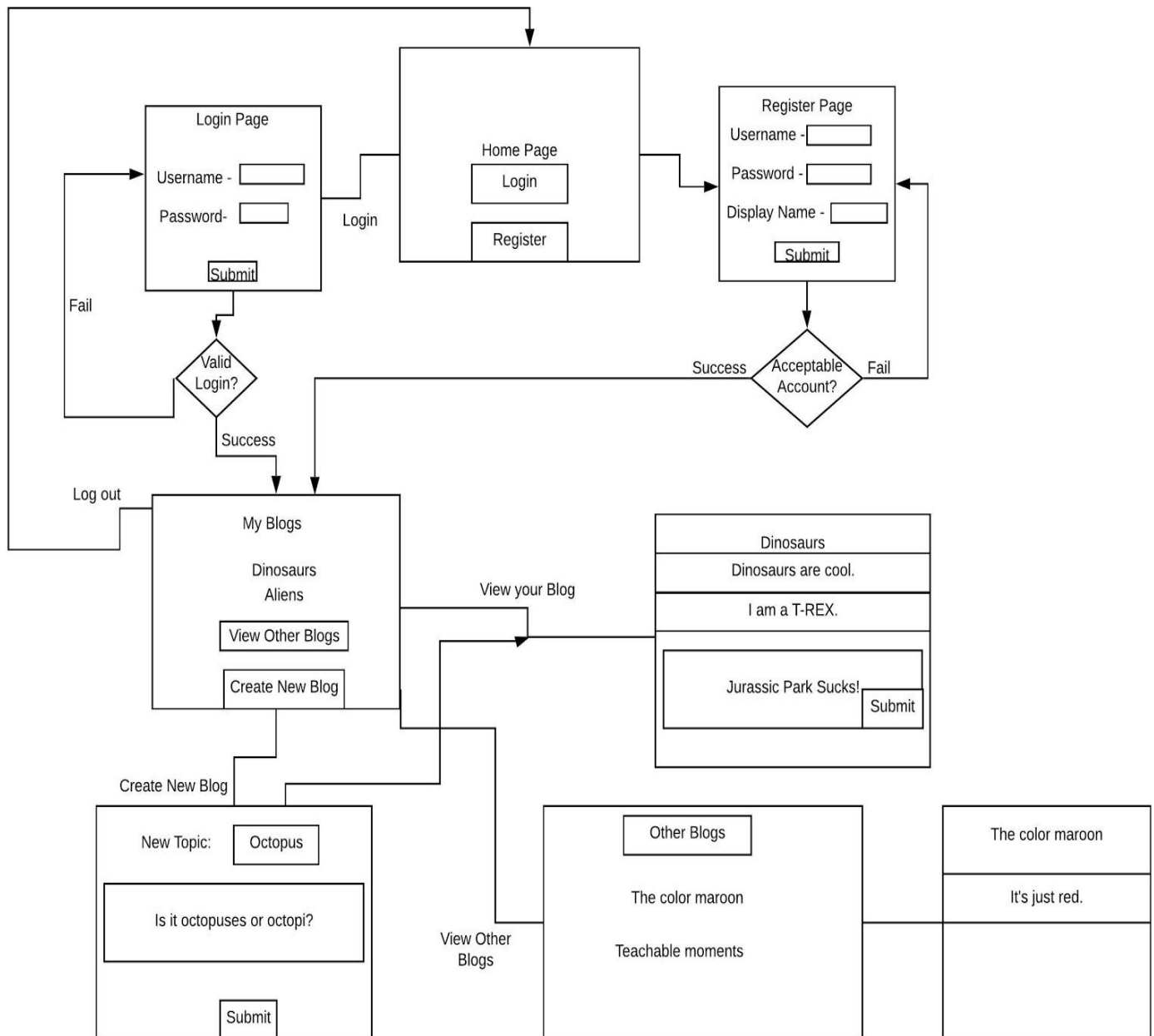
- Users table: contains username, password, and a display name for each registered user
- blogs table: contains a blog number, blog topics, an entry, and the creator

### **DATABASES.db**

Users Table		
username	displayname	password
Admin	Admin	1234
Test	Test	4321

Blogs Table			
blogNumber	blogTopic	entry	creator
0	Horse	I Love horses	AdminTest
1	Cars	Cool cars	Test
2	Test	TESTING	AdminTest
3	aas	asdf	AdminTest
4	Numbers	90912394	Test

## Site Map



**Dividing the tasks:**

## Frontend

- Create templates with html and flask jinja for the various web pages. --Brandon/Albert
- Create python scripts for the various features on the web pages such as the navigation bar and create account/login. --Brandon/Albert

## Backend

- write python scripts in dbFunctions that add users into the user table and authenticates whether the user is in the database as well as seeing whether the username is taken --Kenneth/Biraj
- write python code store the entries and blog topics into the blogs table. Also the backend functions top keep track of the blogs for features such as displaying blogs of other users as well as the current user. --Kenneth/Biraj