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## BlogHub

**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.
    - Confirm password function makes sure the user doesn't incorrectly put in password.
- 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.
- Adding entries to your own blogs: The user is allowed to create more entries under their own blogs, or editing their own blogs.
- View Other blogs: This page allows a logged in user to view other people's blog sorted by topic
- View your blogs: Going to Home allows user to view blogs.
- Log out: Allows user to log out.

**Databases**

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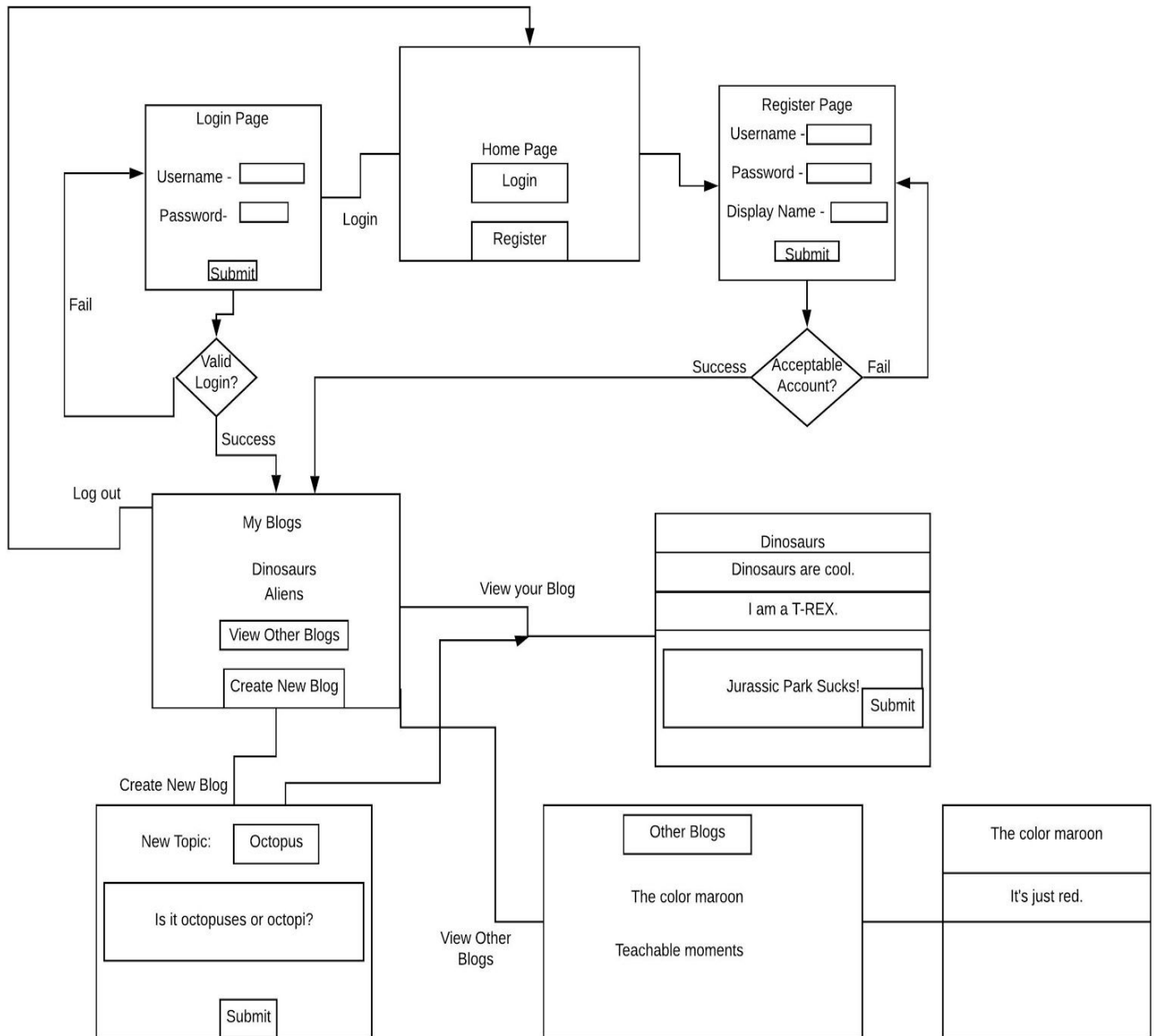
- Database.db

Tables in Database.db:

- 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

**Login Page**

Username -

Password-

Submit

**Home Page**

Login

Register

**Register Page**

Username -

Password -

Display Name -

Submit

Login

Fail

Valid Login?

Acceptable Account?

Success

Fail

Success

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.

**<u>Dividing the tasks:</u>**

Frontend

- Create the foundation of the project by coding 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