

TEAM NONPROFIT2 - HONG WEI CHEN, VISHWAA SOFAT, MICHAEL ZHANG, CLEMENT CHAN
SoftDev pd1
TASK THE FIRST: The Plan
2019-10-21

SCENARIO: WEB LOG HOSTING SITE

CORE FUNCTIONS & COMPONENTS:

(* = *minimum viable product*)

1. Search

- By user*
- By titles in blog entries*
- By keyword contained in blog entries

2. Login/Create account

- Create new accounts and stores them users database*
- Assigns user a profile(own page)*
- Ability to create new blog entries*
- Ability to view and edit own blog entries*
- Ability to view blog entries by other users

3. Edit/Create Blog/Add

- Requires user authentication*
- Creates new blog for user*
- Inputs user info into blogs database unique to that user*
- Stores edit history

4. Display

- Homepage that uses collective database to display links to entries by any user
- Page unique to user(profile) with create and edit function, view own entries*
- Login page*
- Search bar*
- Result page*
- View edit history

5. Blog entries*

- Will contain title, username, and content
- Each user has their unique entries

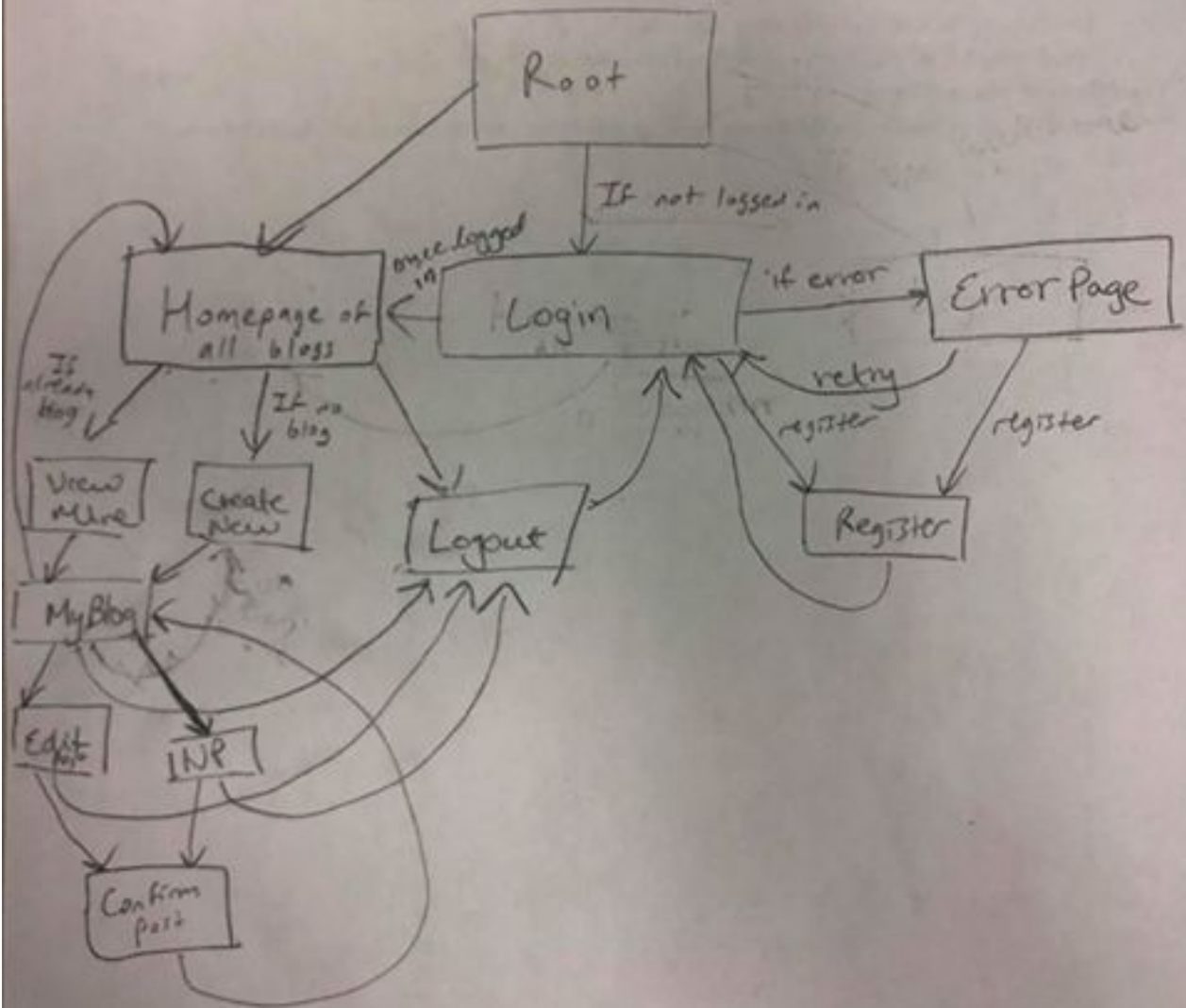
ADDITIONAL FEATURES:

- username/password change
- Comments on entries by other users(requires login)
- Navigation bar: homepage, profile, search(requires login)

COMPONENT MAP

FRONT END	Description	BACK END
LOGIN	Authentication, checks from users table for user and password	Users table
CREATE ACCOUNT	Creates new account, adds to users table, stores new username and password	Users table
EDIT ENTRY	Requires user login, allows editing content of blog entries, adds to blog and history table	Blog table, history table
CREATE BLOG	Requires user login, creates a blog unique to user, adds to blog and history table	Blog table, history table
ADD ENTRY	Requires user login, allows the addition of entries, adds to blog and history table,	Blog table, history table
SEARCH	Allows user to search by user and blog titles/keywords, checks from blog	Users table, Blog table
SHOW HISTORY	Requires login, displays edit history of an entry, checks blog and history table	Blog table, history table
HOMEPAGE	Requires login, displays a feed of all blog entries by registered users, checks from blog table	Blog table

Site Map



TASK DIVISION

Hong Wei

- HTML templates for login page, profile page, homepage, and search result page
- HTML forms for login to store sessions, creating accounts, search bar, and add/create blog/entry function
- Flask apps with several routes to link all the pages together

Vishwaa

- Project manager

Michael

- Python scripts for searching the database

Clement

- SQL backend

Database Tables

Users:

Username	Password
"cchan00"	"oogabooga"
"mzhang00"	"yessir"

Posts:

User	postID	verID	content
"cchan00"	1	1	"Ah ha ha"
"mzhang00"	1	1	"hello!"
"cchan00"	1	2	"ah ha ha"

postID determines the order that the blog posts will appear on a person's page

verID helps keep a version history for individual posts

SITE LAYOUT

Welcome page(login/create account)

Homepage

Profile

Search result page

Search bar should be accessible when logged in on homepage or profile or search result page

<p>Welcome page</p> <p>Welcome!</p> <p><input type="button" value="Sign in"/></p> <p><input type="button" value="Sign up"/></p>	<p>Sign In page</p> <p>Sign In Here!</p> <p><input type="text" value="Username"/></p> <p><input type="text" value="Password"/></p> <p><input type="button" value="Submit"/></p> <p><input type="button" value="Sign Up"/></p>	<p>Sign Up page</p> <p>Sign Up Here!</p> <p><input type="text" value="Username"/></p> <p><input type="text" value="Password"/></p> <p><input type="button" value="Submit"/></p> <p><input type="button" value="Sign In"/></p>
<p>Account details page</p> <p>Logged in successfully!</p> <p><input type="button" value="Go to homepage"/></p> <p><input type="button" value="Logout"/></p>	<p>Log In error page</p> <p>Logged in unsuccessfully!</p> <p><input type="button" value="Try again"/></p> <p><input type="button" value="Sign up instead"/></p>	<p>Homepage (of all blogs)</p> <p>Welcome, user <input type="text"/> <input type="button" value="Search"/></p> <p><input type="button" value="Manage account"/> <input type="button" value="My blog"/></p> <p><input type="button" value="Blog #1"/></p> <p><input type="button" value="Blog #2"/></p> <p><input type="button" value="Blog #3"/></p> <p><input type="button" value="Blog #4"/></p>

My blog page (if no existing blog)

Welcome, user

My blog page (if existing blog)

Welcome, user

New Post page

New Post here!

Search results page

Welcome, user