

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

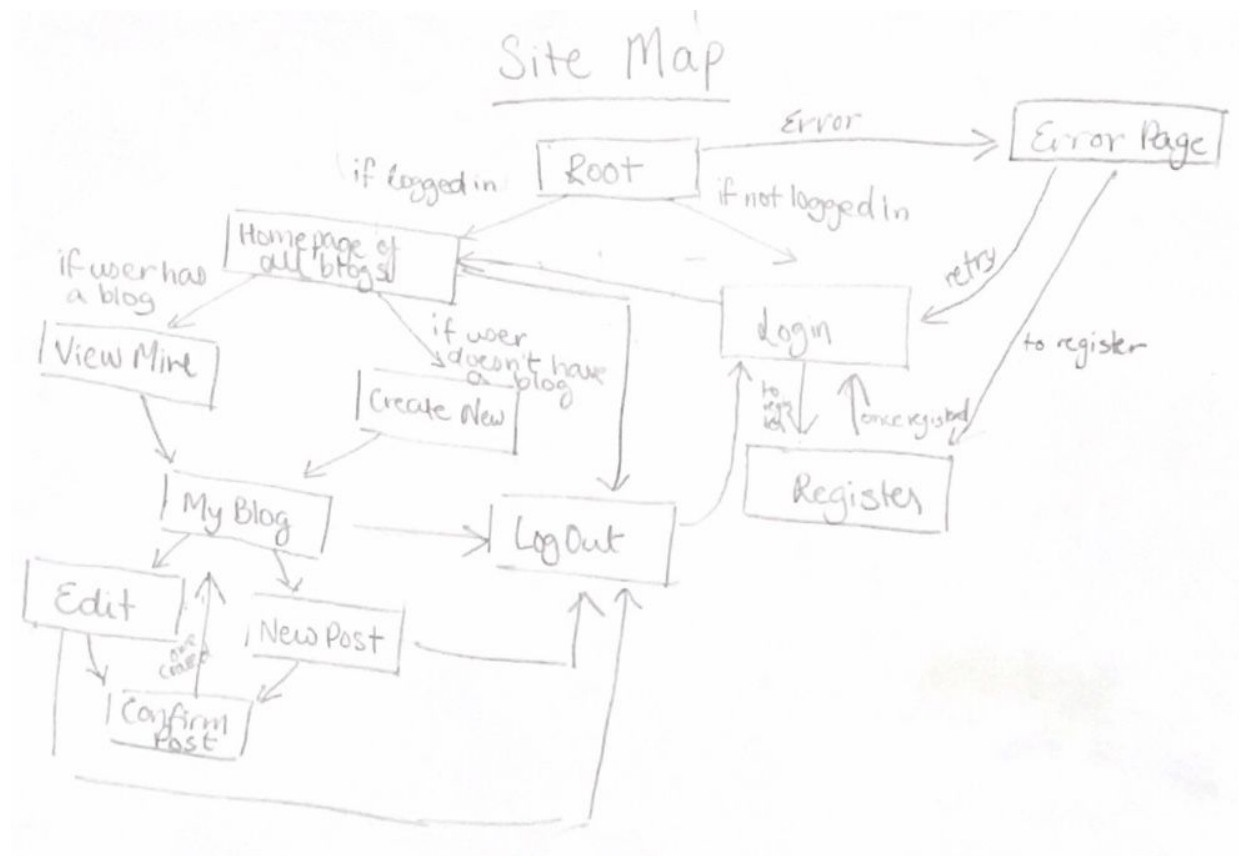
### **ADDITIONAL FEATURES(if enough time):**

- 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
<b>LOGIN</b>	Authentication, checks from users table for user and password	Users table
<b>CREATE ACCOUNT</b>	Creates new account, adds to users table, stores new username and password	Users table
<b>EDIT ENTRY</b>	Requires user login, allows editing content of blog entries, adds to blog and history table	Blog table, history table
<b>CREATE BLOG</b>	Requires user login, creates a blog unique to user, adds to blog and history table	Blog table, history table
<b>ADD ENTRY</b>	Requires user login, allows the addition of entries, adds to blog and history table,	Blog table, history table
<b>SEARCH</b>	Allows user to search by user and blog titles/keywords, checks from blog	Users table, Blog table
<b>SHOW HISTORY</b>	Requires login, displays edit history of an entry, checks blog and history table	Blog table, history table
<b>HOMEPAGE</b>	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	title	content
"cchan00"	1	1	"bruh"	"Ah ha ha"
"mzhang00"	1	1	"bye"	"hello!"
"cchan00"	1	2	"The world"	"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