

## **2 Whites And A Gray – Nada Hameed, Gitae Park, Brianna Tieu**

SoftDev

P00: Move Slowly and Fix Things

2022-11-15

time spent: 2 hrs

Target Ship Date: 2022-11-15

### **Scenario 2:**

- web log hosting site
  - login
  - blog creation (we are choosing to allow users to create several blogs and assign posts to one of their own blogs)
  - blog updates
  - blog viewing (own and others)

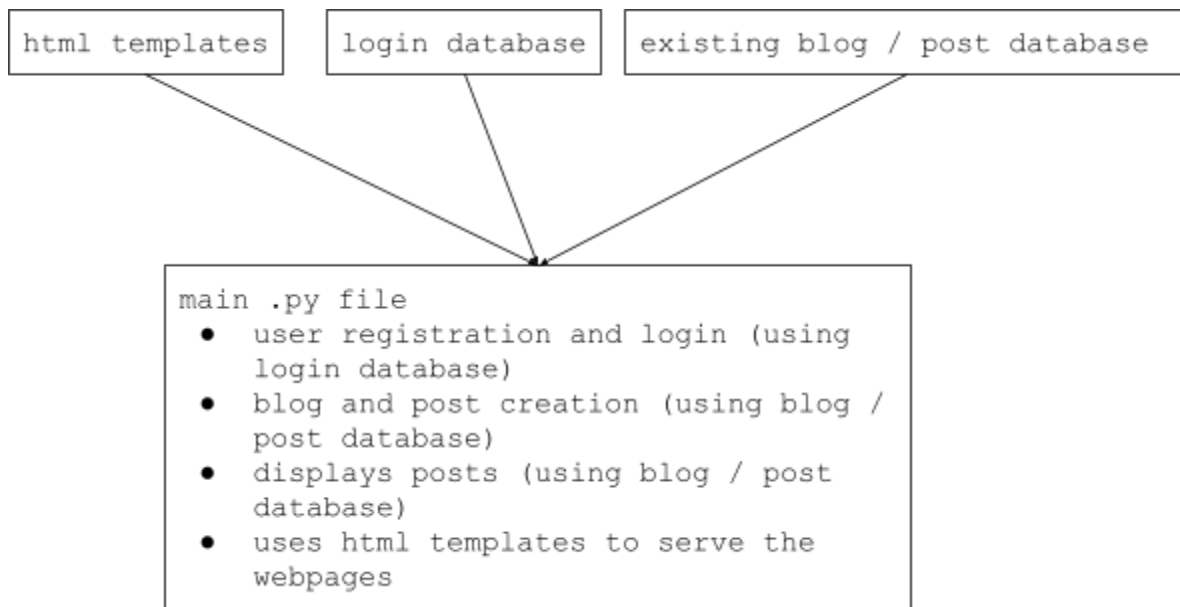
### **Program Components:**

- html templates for the login page, registration page, main blog, blog creation page, blog editing page, post editing page, post creating page, blog viewing page (list of blogs by everyone), and blog viewing page (specific blog)
- database of logins (usernames and passwords)
  - inputs from registration form submission
  - used to check for any existing users when creating new accounts and correct password input
- databases of user blogs and posts
  - allows user to edit their previous posts
- python file to bring all the components together
  - uses Flask to deploy website
  - allows users to create new accounts and/or log into existing accounts
  - allows users to create new blogs and posts
  - displays other posts
- css files in /static (optional) for stylization

### **Component Relationships:**

- html templates - create the skeleton for the website's pages (what we want users to see on the local page)
- login database - has the data for the user logins, necessary for the user registration and login feature
- blog database - necessary for user editing
- main python file - takes elements from the other files, calls Flask to render the templates to serve a webpage for the user

### **Component Map:**

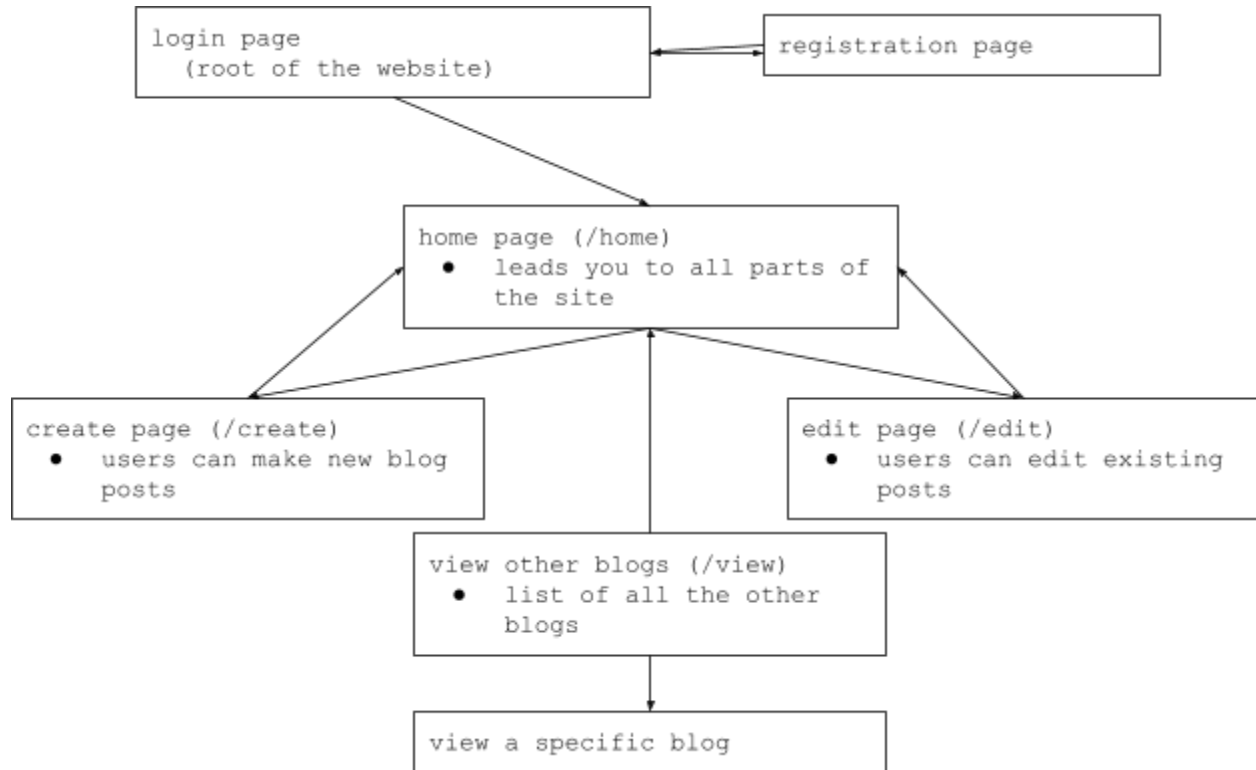


### **Database Organization:**

- Login database
  - Username
  - Password
- Post Database
  - Name
  - Author
  - Body / Content of the Post
  - Time of post publication
- Blog Database

- Blog ID (counting numbers / ints. assigned by order or time of creation)
- Username
- Posts

### **Site map for the front end:**



### **Required Tasks:**

- Create html templates (Brianna)
  - login/registration page
  - new blog creation page
  - home blog page (where users can view other blogs)
  - blog editing page
- Login / registration capabilities (Nada)
  - check for existing usernames and/or password requirements
- SQLite database population / creation (Gitae)
- Write main python code to deploy Flask (all)