

Team MadCauseBad - Ryan Ma, Jessica Yeung, May Hathaway, William Li  
SoftDev  
P0 -- Da Art of Storytelling - design doc for a blog site  
2021-01-08

## **Blog Site Design Doc**

### **PROJECT TIMELINE:**

- 1/5: Functioning registration and authentication system
  - Main page set up
- 1/6: Users have ability to create and view own blog pages
- 1/7: Users have ability to add, edit, and delete blog posts
- 1/8: Users are able to navigate site and view others' posts

### **Program Components:**

#### Python

- Controls access levels
  - User on own page
  - User on other page
- Stores form data in SQLite tables

#### Flask

- Takes in user info from HTML forms
- Takes in blog info from HTML forms
- Accesses data from SQLite tables
  - User information
  - Blog data

#### SQLite

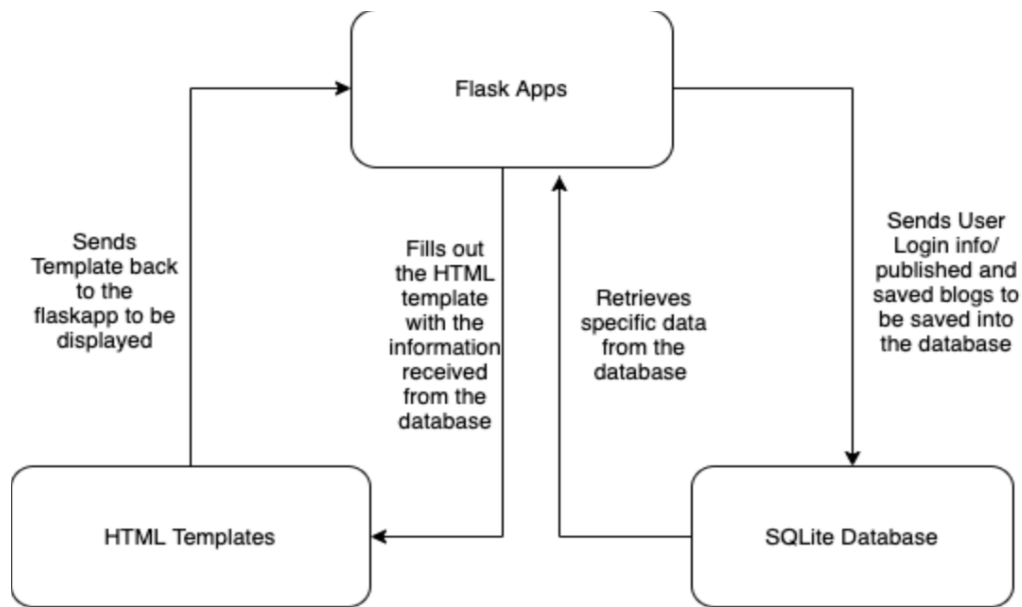
- Remembers user information (usernames, passwords)
- Remembers blog information (blog entry, which user created said blog)

#### HTML

- Displays blog home page (with suggested blogs to view, blog ideas, etc.)
- Displays login/logout/create-an-account page
- Displays user's personal blog pages
- Displays other users' personal blog pages
- Displays blog editing page

### **Component Map:**

HTML form(when creating new blog) → Flask → saved into SQLite tables → Flask → HTML Template(displays the blog)



### Site Features:

- Registering for an account
- Logging in + Logging out
- Creating + Deleting blog
- Adding, Editing, Deleting blog entries
- View past blog entries
- View unpublished blogs
- Visit other users' blogs

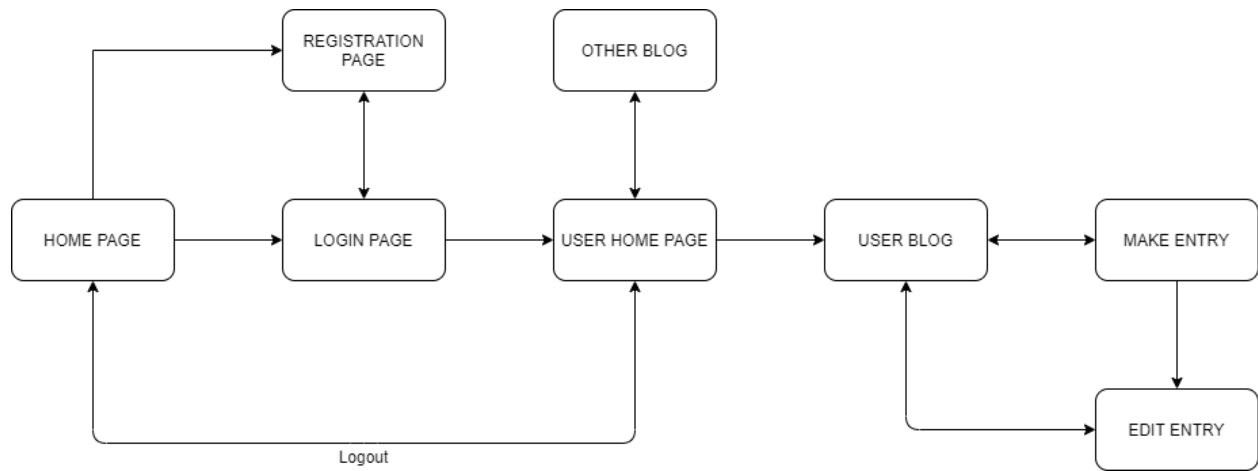
### SQLite Tables:

Username	Password	UserID
String	String	Int

UserID	Blog Title	Blog Blurb
Int	String	String

UserID	Entry Title	Entry
INT	String	String

### **Site Map:**



### **Task Distribution:**

Ryan: Creating Flask app

William: Managing the sqlite database

Jessica: Creating the HTML templates

May: Managing the sqlite database