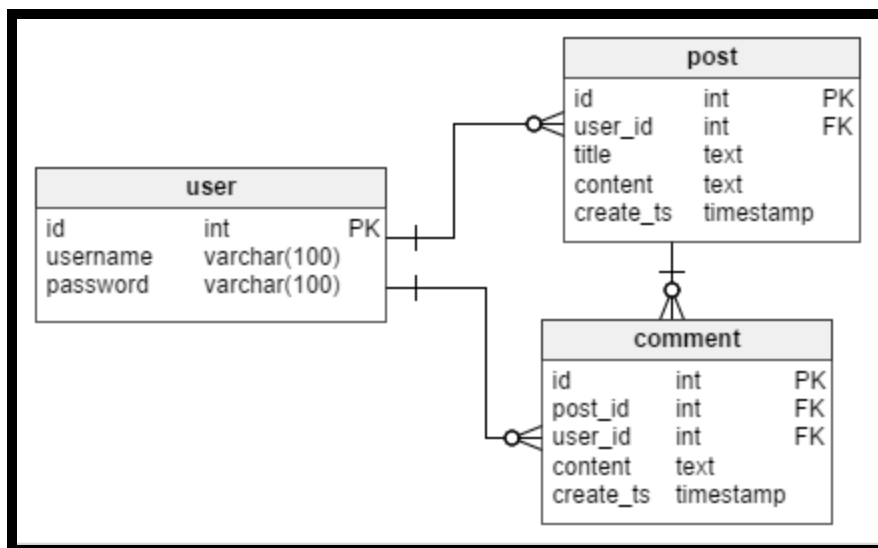# Blog Design

By Smol Bloggos

Kathy Lau, Daniel Monteagudo, Kelly Wang, William Xiang

Program Components

- Login, Register
- Adding Post (log time)
- Commenting on Post
- Following Users (?)
- Admin page
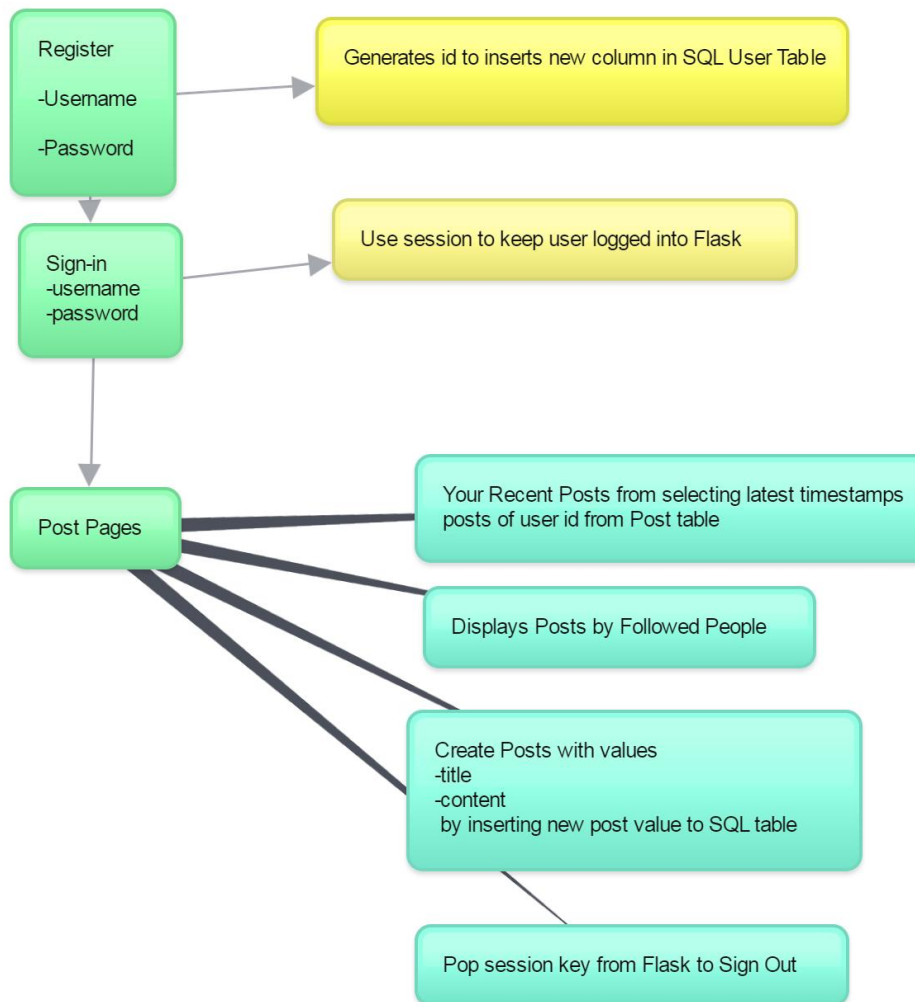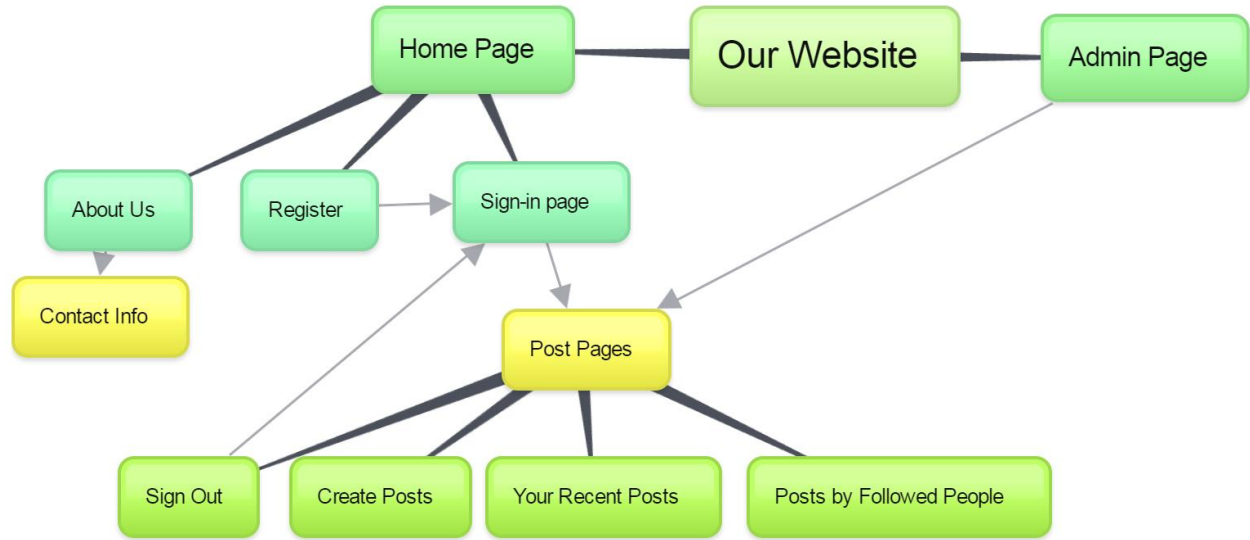- Hearting posts (?)

Database Schema

Relations

- Home page will have register and login option
  - Register will require username and password, and script will auto generate an id to add to the SQL table for users
  - Login will check the SQL table for username and password match, store key in flask session, then redirect to user feed if authenticated

- ❖ News feed page will have options to create a post, view posts by followed people, view your own posts, or sign out
  - ➢ Create a post: will store id of post, user id, timestamp, title, and content SQL table for posts
  - ➢ View your own posts: will fetch most recent posts created with your id
  - ➢ View other posts: will fetch most recent posts of people you are following
    - ■ Commenting on Posts by storing user id, post id, content, original user id, and timestamp in comment SQL
  - ➢ Sign out : Pops your key out of flask session
  - ➢ Additional Features
    - ■ Upvote/downvote
    - ■ Search for users
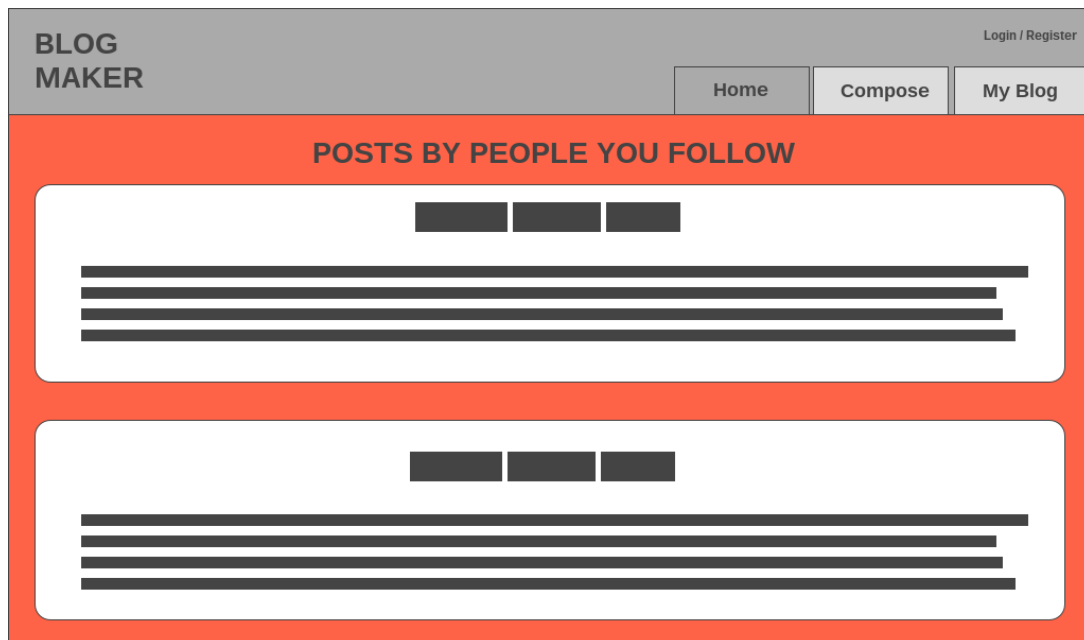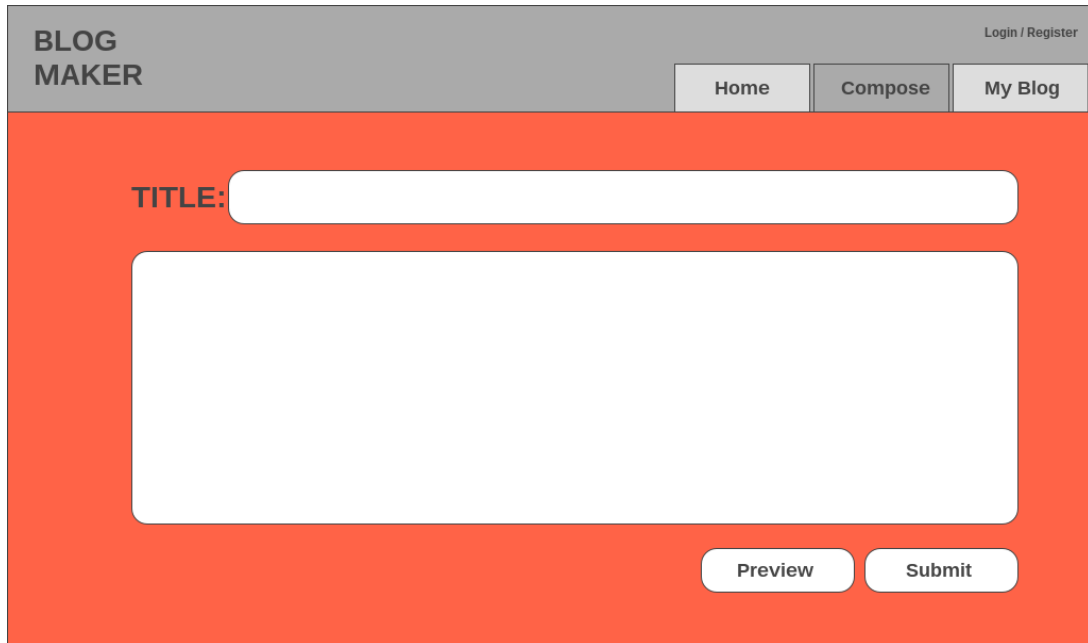   - ■ Admin Page that can take down posts

Register
-Username
-Password

Generates id to inserts new column in SQL User Table

Sign-in
-username
-password

Use session to keep user logged into Flask

Post Pages

Your Recent Posts from selecting latest timestamps posts of user id from Post table

Displays Posts by Followed People

Create Posts with values
-title
-content
by inserting new post value to SQL table

Pop session key from Flask to Sign Out

created with www.bubbl.us

Site Map

Home Page
Our Website
Admin Page
About Us
Register
Sign-in page
Contact Info
Post Pages
Sign Out
Create Posts
Your Recent Posts
Posts by Followed People

created with www.bubbl.us

Page Mockups

Homepage:

BLOG MAKER

Login / Register

Home | Compose | My Blog

POSTS BY PEOPLE YOU FOLLOW

Compose Post Page:

BLOG MAKER

Home | Compose | My Blog

TITLE:

Preview | Submit

Your Blog Preview (also how other blogs look):

BLOG MAKER

Home | Compose | My Blog

Login Page / Signup Page:

Task Delegation

- **Leader + Middleware (Kathy)**
  - Makes sure everyone is on track
  - Glue UX, Flask, and SQL together
  - Run project frequently
  - Req: Be in frequent contact with all members
- **UX Designer (Daniel)**
  - Design general frontend (HTML, CSS, JS, etc.)
  - Format Content
  - Jinja2 templating
  - Ease of Navigation
  - Req: Must be in frequent contact with Leader
- **Python developer (Kelly)**
  - Uses Flask microframework to set up web backend
  - Page routes and how they interact
  - Write functions to handle login, register, creating posts, fetching posts, commenting, etc.

- ○ Req: Must be in frequent contact with Leader
- **Database administrator (William)**
  - ○ Work with SQLite3 to write functional queries to hand off to flask dev
  - ○ Req: Must be in frequent contact with Leader