

# Blog Design

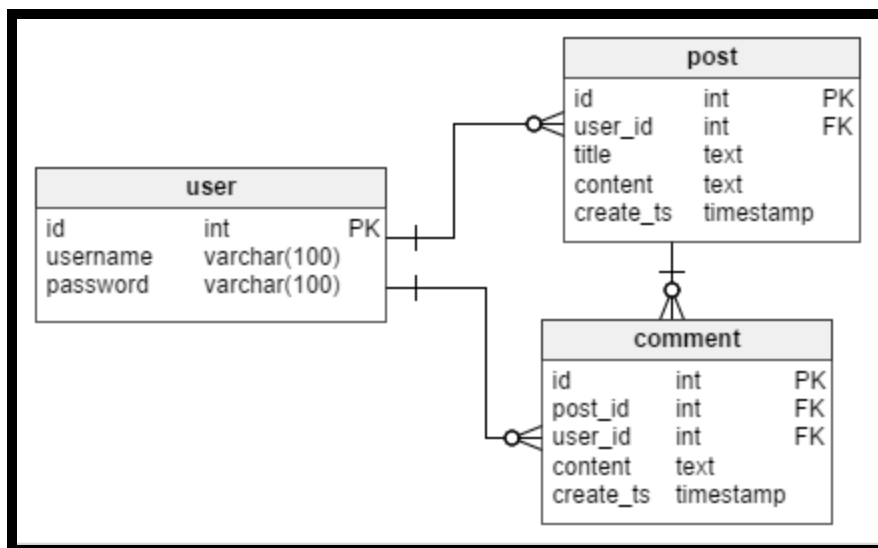
By Smol Bloggos

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 (?)

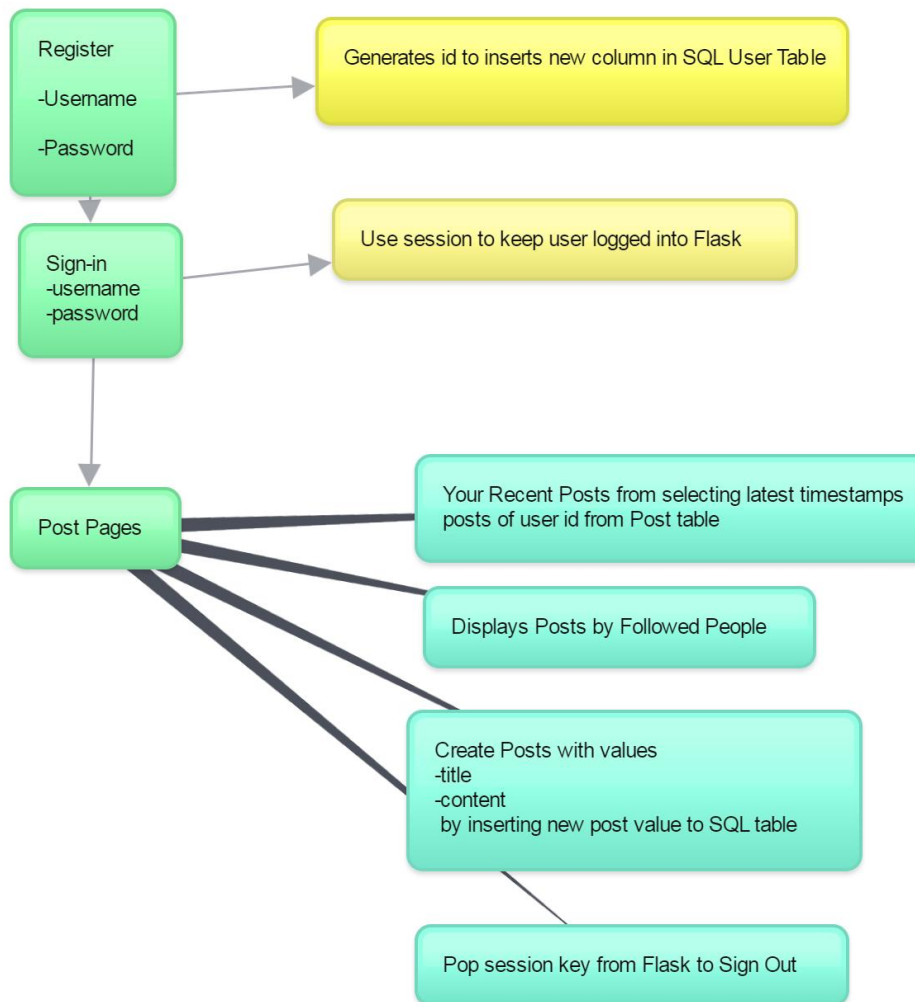
## Database Schema



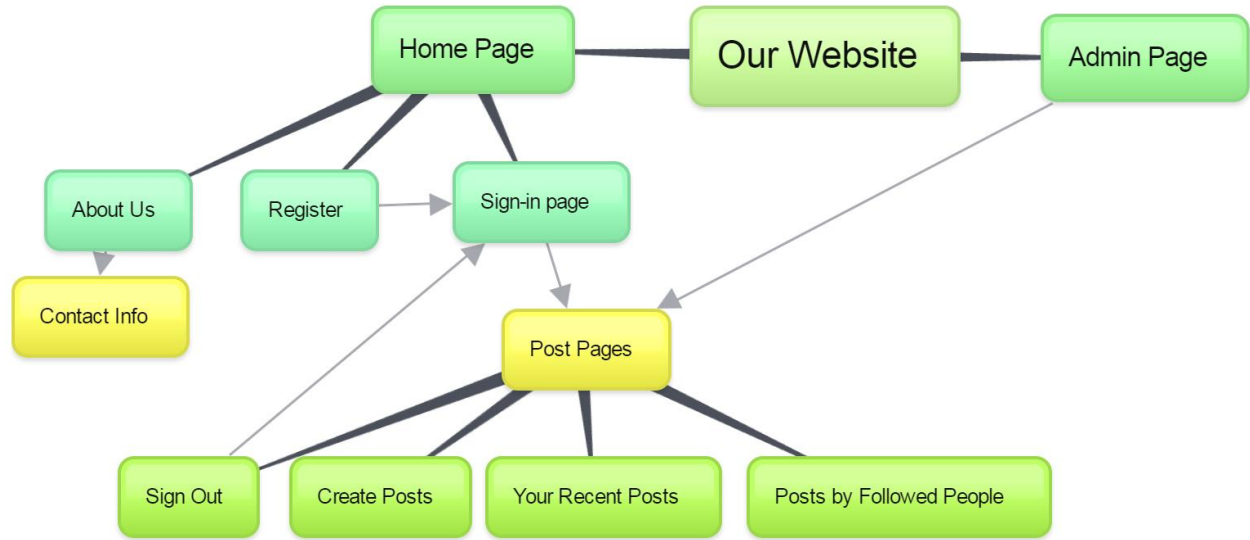
## Relations

- 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



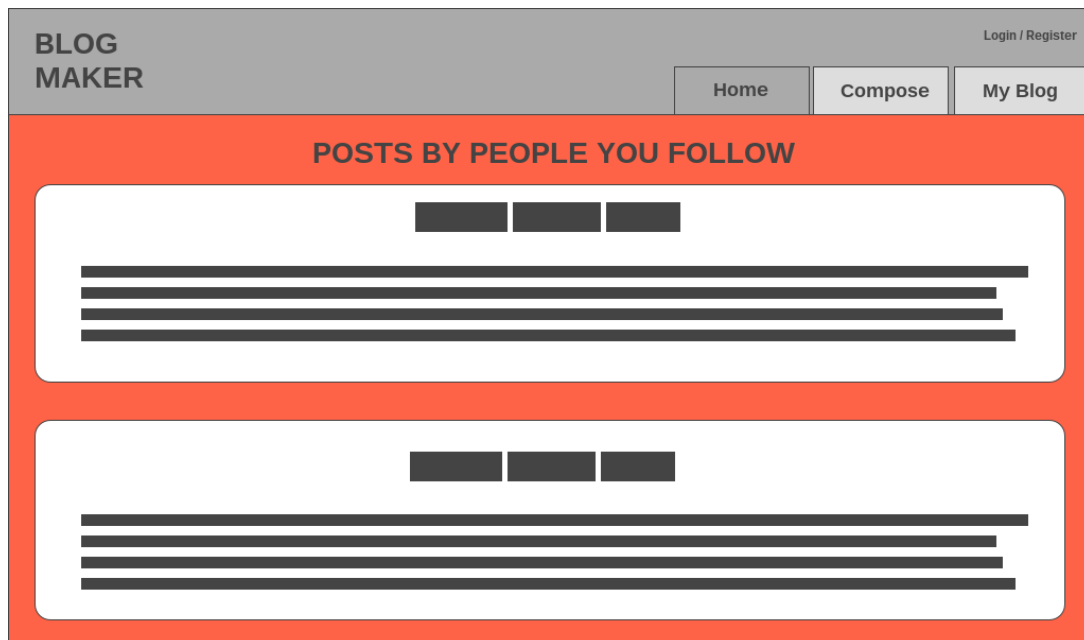
## Site Map



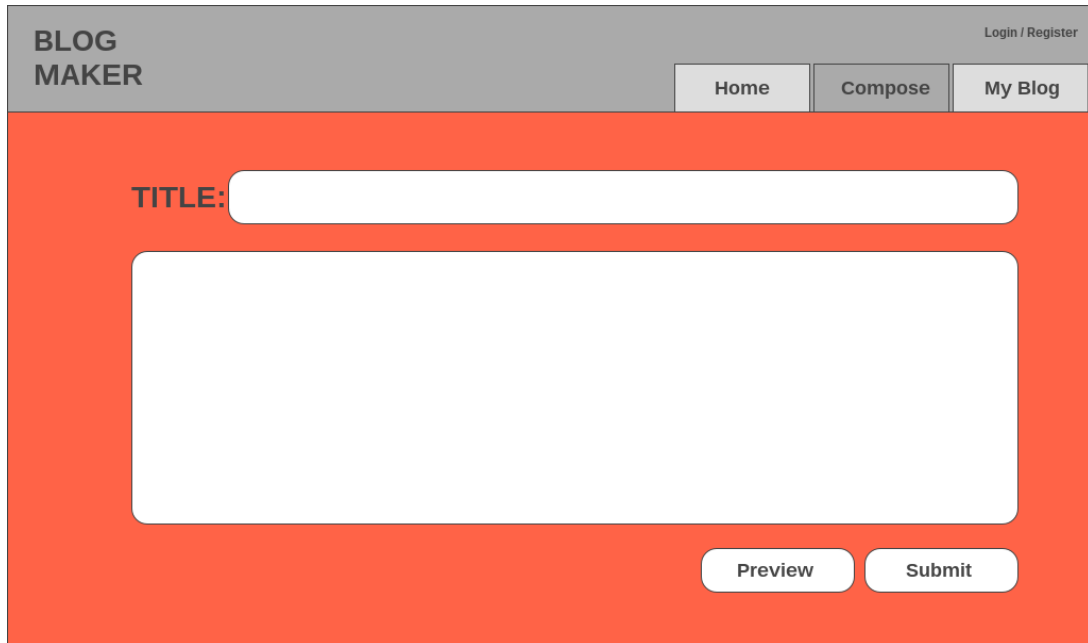
created with [www.bubbl.us](http://www.bubbl.us)

## Page Mockups

Homepage:



## Compose Post Page:



The Compose Post Page features a grey header bar with the text "BLOG MAKER" on the left and "Login / Register" on the right. Below the header is a navigation bar with three buttons: "Home", "Compose", and "My Blog". The main content area has an orange background. It contains a "TITLE:" label followed by a white text input field. Below the title field is a large white rectangular area for the post content. At the bottom right of the content area are two white buttons labeled "Preview" and "Submit".

## Your Blog Preview (also how other blogs look):



The Blog Preview Page has a grey header bar with "BLOG MAKER" on the left and "Login / Register" on the right. The navigation bar includes "Home", "Compose", and "My Blog" buttons. The main content area is orange and features a sidebar on the left with a list of horizontal bars representing blog entries. The main content area displays two blog preview cards. Each card has a title bar with three small squares and a body of four horizontal bars representing text.

## Login Page / Signup Page:

The image displays two wireframe mockups for a web application, specifically for the login and signup pages. Both pages share a common header structure: a grey bar at the top containing the text 'BLOG MAKER' on the left, 'Login / Register' on the right, and a central navigation menu with 'Home', 'Compose', and 'My Blog' links. The main body of the pages has a red background. The top mockup represents the login page, featuring a light grey rectangular form area with 'Username:' and 'Password:' labels, corresponding input fields, a 'Login' button, and a smaller 'sign up' link below the login button. The bottom mockup represents the signup page, featuring a similar light grey form area with 'Username:', 'Password:', and 'Confirm:' labels, corresponding input fields, and a 'Sign Up' button.

## 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