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SoftDev pd6
P00 -- Da Art of Storytellin'
T 2018-10-16

Component Map:

Scenario Two: Your team has been contracted to create a **web log hosting site**.
- Users will have to register to use the site.
- Logged-in users will be able to
- Create a new blog
- Update their blog by adding a new entry
- View and edit their own past entries
- View the blogs of other users

Authorization:
- Login system with a table that contains the user/password combination.
- User can register their account on the home page
- User will be prompted to login when they want to enter the blog site

Search:
- There will be a text input for searching blogs associated with the user
- The table with all the blogs have user as one of the columns to facilitate easier search
- Displays all posts by the user inputted
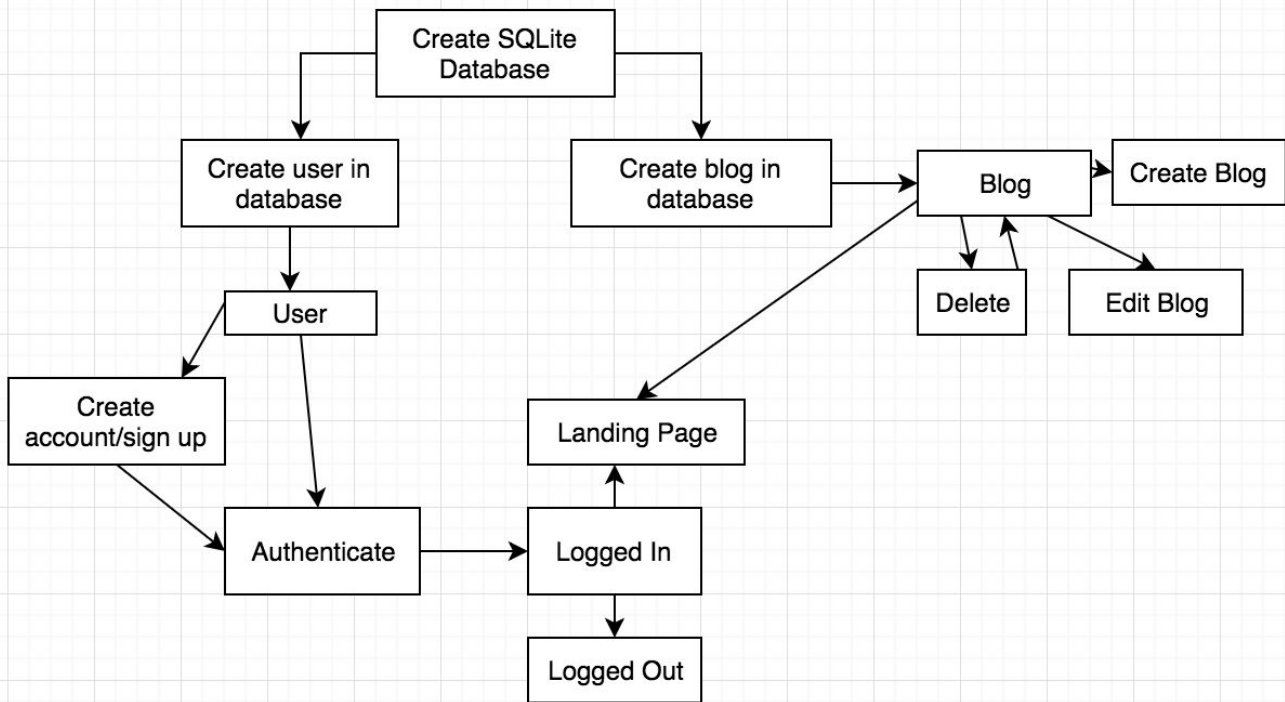- The logged in user can view his own posts as well - will have a button on home page leading to this

Posting/editing blogs:
- User NEEDS to be logged in to do either of these things
- Every edit that is saved by the user will replace the old blog in the table
- If a blog post doesn't exist already, a new row will be created in the table
- Blog posts will have an associated ID that we will use to keep track of when they were edited(tentative addition)
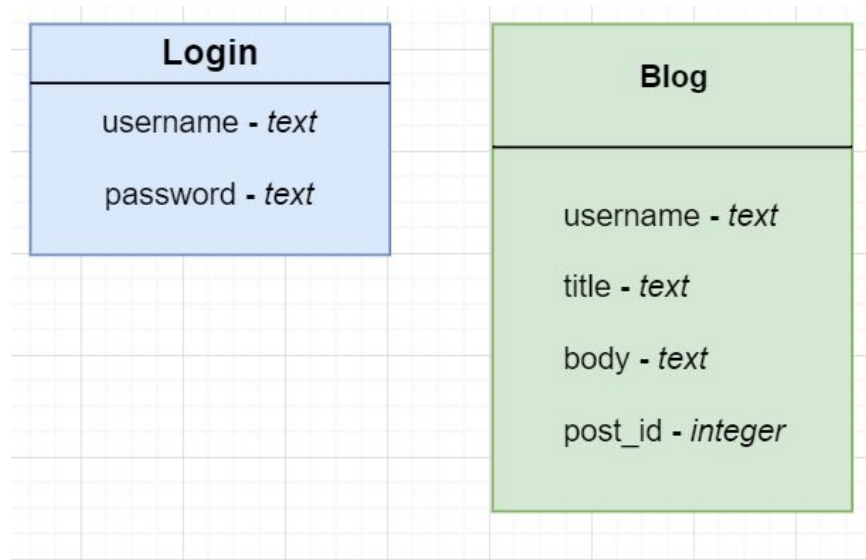
Create SQLite database which stores the data about:
- Each user and their login information
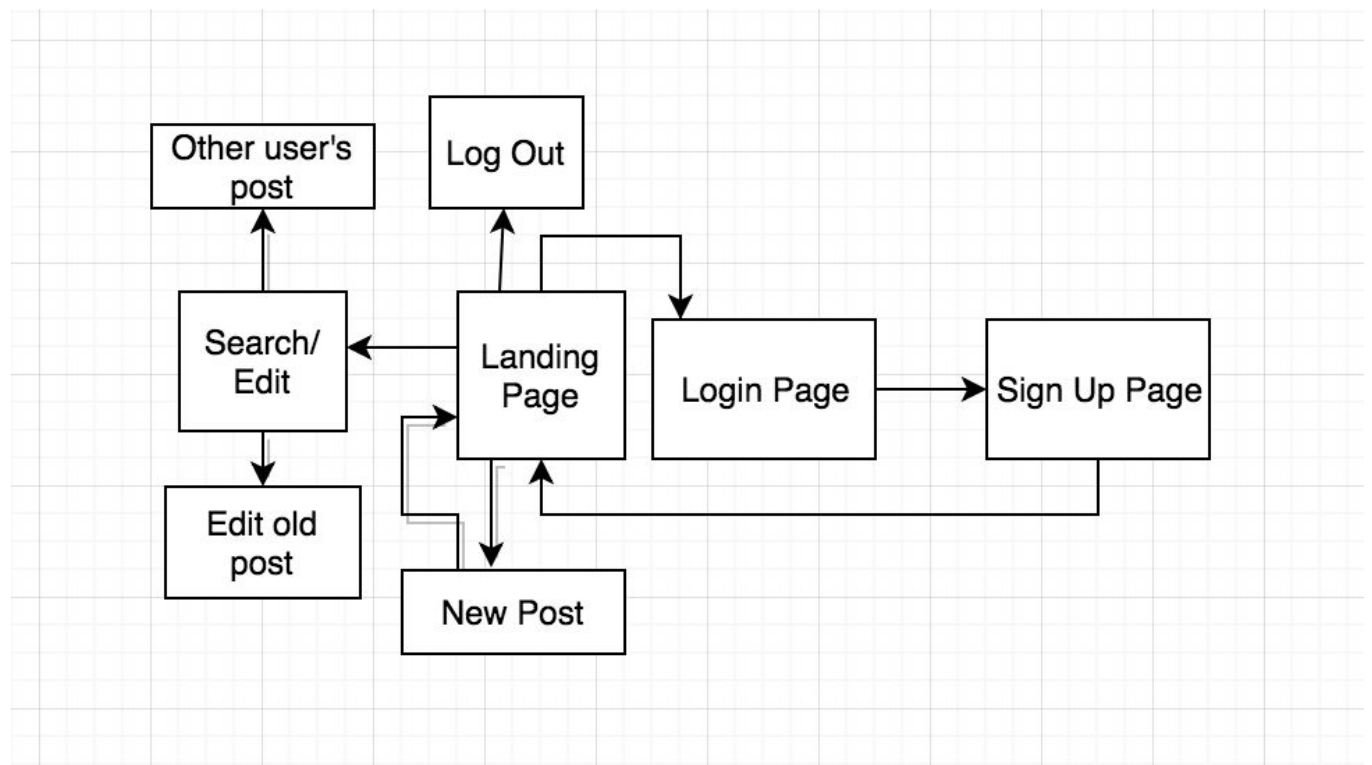- Each user's blog post

Component Visualisation:

```
                    ┌─────────────────┐
                    │  Create SQLite  │
                    │    Database     │
                    └────┬───────┬────┘
              ┌──────────┘       └──────────┐
              ▼                             ▼
     ┌─────────────────┐          ┌─────────────────┐     ┌──────────┐      ┌──────────────┐
     │  Create user in │          │  Create blog in │     │   Blog   │─────▶│  Create Blog │
     │    database     │          │    database     │     └──────────┘      └──────────────┘
     └────────┬────────┘          └─────────────────┘       │    ▲   │
              ▼                                              ▼    │   ▼
         ┌─────────┐                                   ┌────────┐  ┌──────────┐
         │  User   │                                   │ Delete │  │ Edit Blog│
         └────┬────┘                                   └────────┘  └──────────┘
    ┌─────────┼──────────┐
    ▼                    │
┌──────────────┐        │
│   Create     │        │
│ account/sign up│       │
└──────┬───────┘        ▼
       │         ┌─────────────┐
       │         │ Landing Page│
       ▼         └─────────────┘
┌──────────────┐        ▲
│ Authenticate │──────▶ │
└──────────────┘  ┌─────────────┐
                  │  Logged In  │
                  └──────┬──────┘
                         ▼
                  ┌─────────────┐
                  │ Logged Out  │
                  └─────────────┘
```

Database Schema:

Login
username - *text*
password - *text*

Blog
username - *text*
title - *text*
body - *text*
post_id - *integer*

Site Map:

Other user's post

Log Out

Search/ Edit

Landing Page

Login Page

Sign Up Page

Edit old post

New Post

Breakdown of Tasks:
1. Basics: Create a repo, add a flask starter kit, add a landing page (Claire)
2. Database for users, account creation (Tim)

3. Account authentication and verification (Bo)
4. Database for blogs -- creating new ones (Claire)
5. Search/view/edit existing stories that the user has contributed to (Max)
6. HTML templating for blogs (Tim)