

# Web Blog Design Document

Project Name: Boaa Blog

TNPG: Boolean Boas

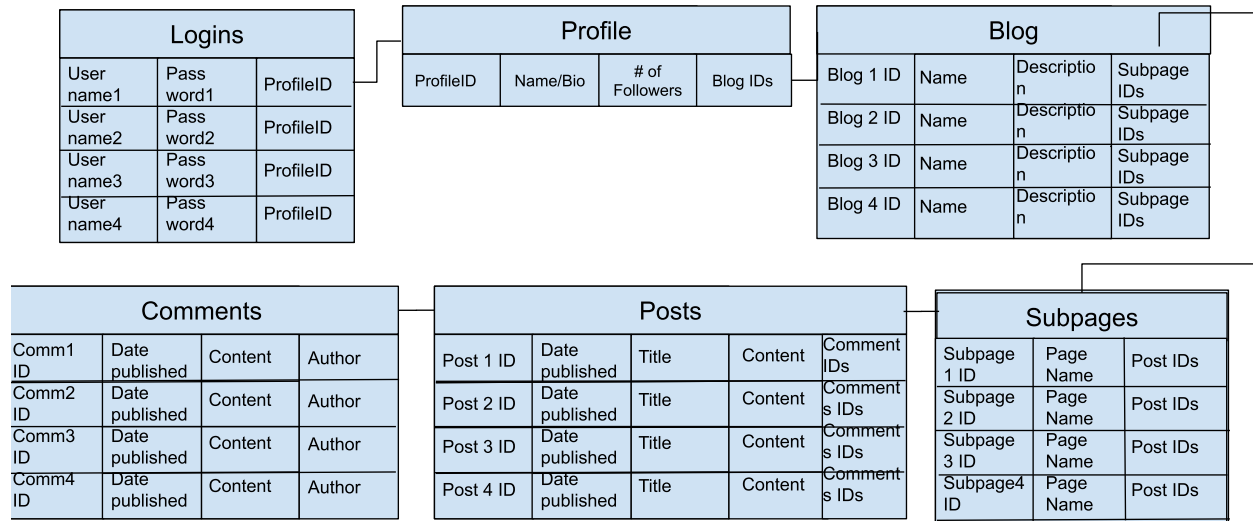
Roster: Linda Zheng, Ankita Saha, Dua Baig, Mark Ma

TARGET SHIP DATE: 11-05-24

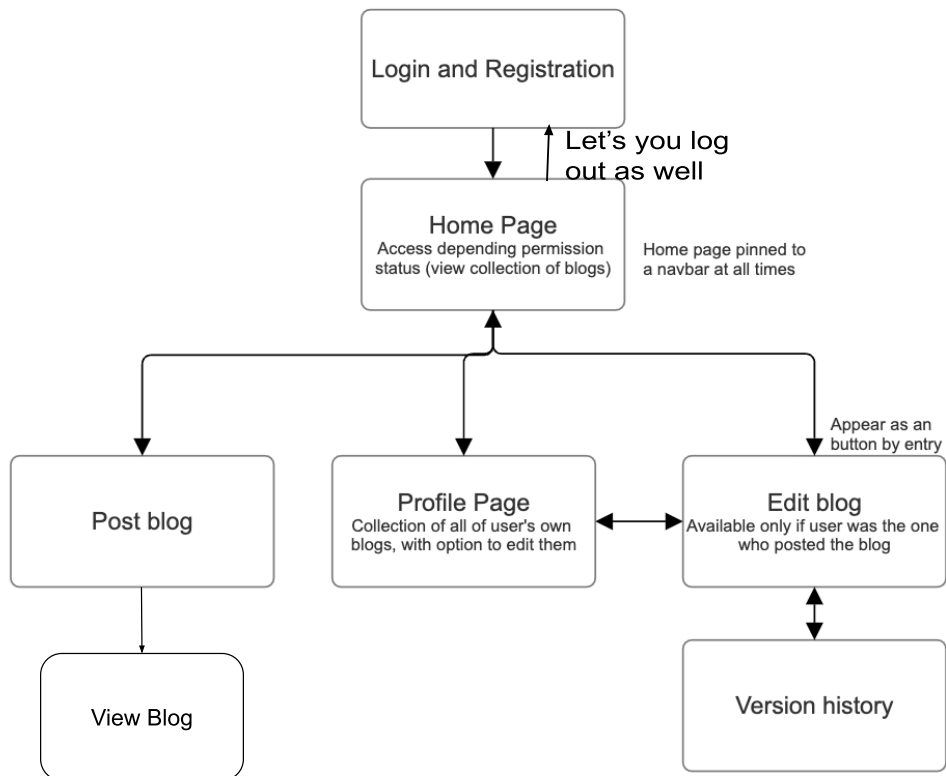
## Program Components:

- *Login & Database*
  - Needed for user to login so they can access their blogs
  - Takes in username and password (sessions)
    - Hash password to database (SQLite)
    - Requires certain parameters (check user's input for pass w/ if/else statements to verify) to create password (length, characters, etc.)
    - If user is not logged in, they should not be able to view/make a blog/like other blogs/comment/etc/
  - Usernames have to be unique
- *Homepage*
  - Display recent edited or created blogs on home page
  - Display blogs with the highest likes/updates from user's followed blogs
  - Title / Tags search feature
- *Profile Page*
  - Displays user information (bio: name, # of blogs, etc.)
  - Shows a list of blogs (so user can easily access blogs and others can see what other blogs they run)
- *Blog Creator*
  - Enter title, description, body, and tags of the blog post through search feature
  - After editing, user can either save what they are writing as a draft (saved in table with info of text, user, etc.) or post the blog
- *Blog Editor*
  - If text is already written in a textbox, giving user the opportunity to alter it
    - Let users change text and formatting of text (bolding-#, italics, etc)
  - Version control (edit history, rollback functionality) (extra)
- *Display Blogs*
  - Likes/Dislikes
  - Comments
  - Follow creator

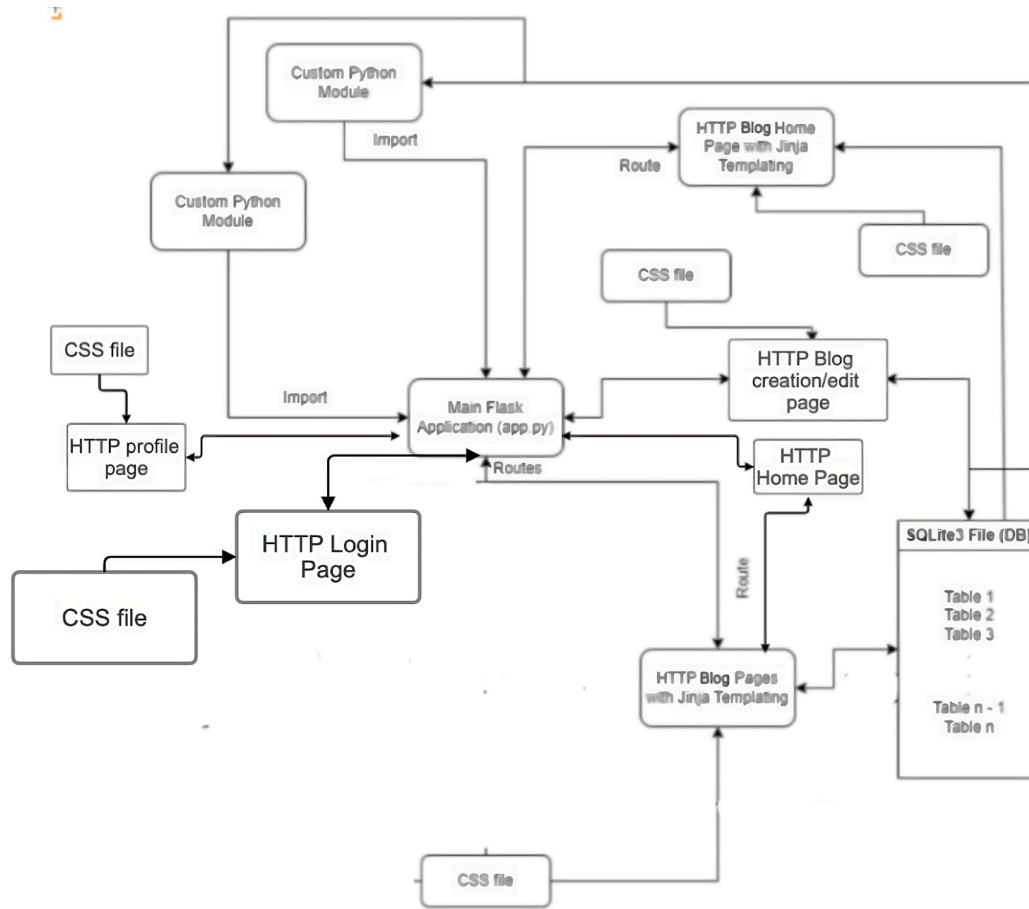
## Database Organization (Broad Overview)



## Site Map



## Component Map:



## Task Breakdown:

- Linda Zheng - Project Manager & Database Management
  - Oversee progress on each component and sets the pace for each component.
  - Provides any additional help to any component that requires it.
  - Work on login interface (including password hashing, storing in database) and database management (make sure the databases have proper info in them, etc)
  - Work on CSS for finished component
- Mark Ma
  - Work on home page and profile page
  - Integrate database with logins to access profiles.
  - Implement followers feature
  - Implement search feature
  - Integrate database with posted blogs to display on home page and user profile (eg. most liked blogs, recent blogs from your followers, recently edited blogs)
  - Formatting home and profile page.

- Dua Baig
  - Implement feature for editing/creating Blog posts (edit text, tags, heading)
  - Implement useful editor features (bold, italicized text, underlined, modify text size) with a user-friendly interface
  - Retrieve text from database, and update the database.
  - Add version control (i.e store text from previous versions, and allow a user to rollback changes)
  - Implement draft feature, where a user can save a draft and work on it later or post it. When the user loads the blog editor, the most recent version should already be there.
- Ankita Saha
  - Implement components for “Display Blog”
    - Allow users to comment/like/follow (if logged in)
      - Allow users to edit their comments (similar to edit blog post)
    - Allow users to delete their comment/like/follow
    - Display those numbers(likes, comments count, follow count) & users that liked/followed & comments from the database on blog posts
  - Organize/keep track of blog database (w/ info of likes, tags, etc.)
    - Update each time a new comment/like is added
    - Delete from site & database if like removed/comment deleted