

# Buttery Belligerent Bloggers

A SQLite/Flask/Jinja implementation of a blog.

## Modules

- **Webserver module (manage routes, etc)**
- **Database modules**

Will create a database for each listed relevant set of data. The history page table should have a method of updating and adding according to user interactions.

  - User submodule
  - Blog submodule
  - Version history submodule (Date, edits, editor)
  - Login data submodule (User ID, email, password)
- **Template rendering module**

Will take values from the table containing the page contents to insert those values into the html template.

  - Homepage/register/login page renderers
  - User page renderer
  - Blog homepage renderer
  - Blog post renderer
  - Editor and post settings renderer
  - User settings page renderer
- **Utilities module**

Contains helper functions for the application. Wraps database wrappers even more, providing a way to verify a password or check access control. Cannot specify which modules these are until we actually start programming.

  - Module 1
  - Module 2
  - Module 3

## Data structures

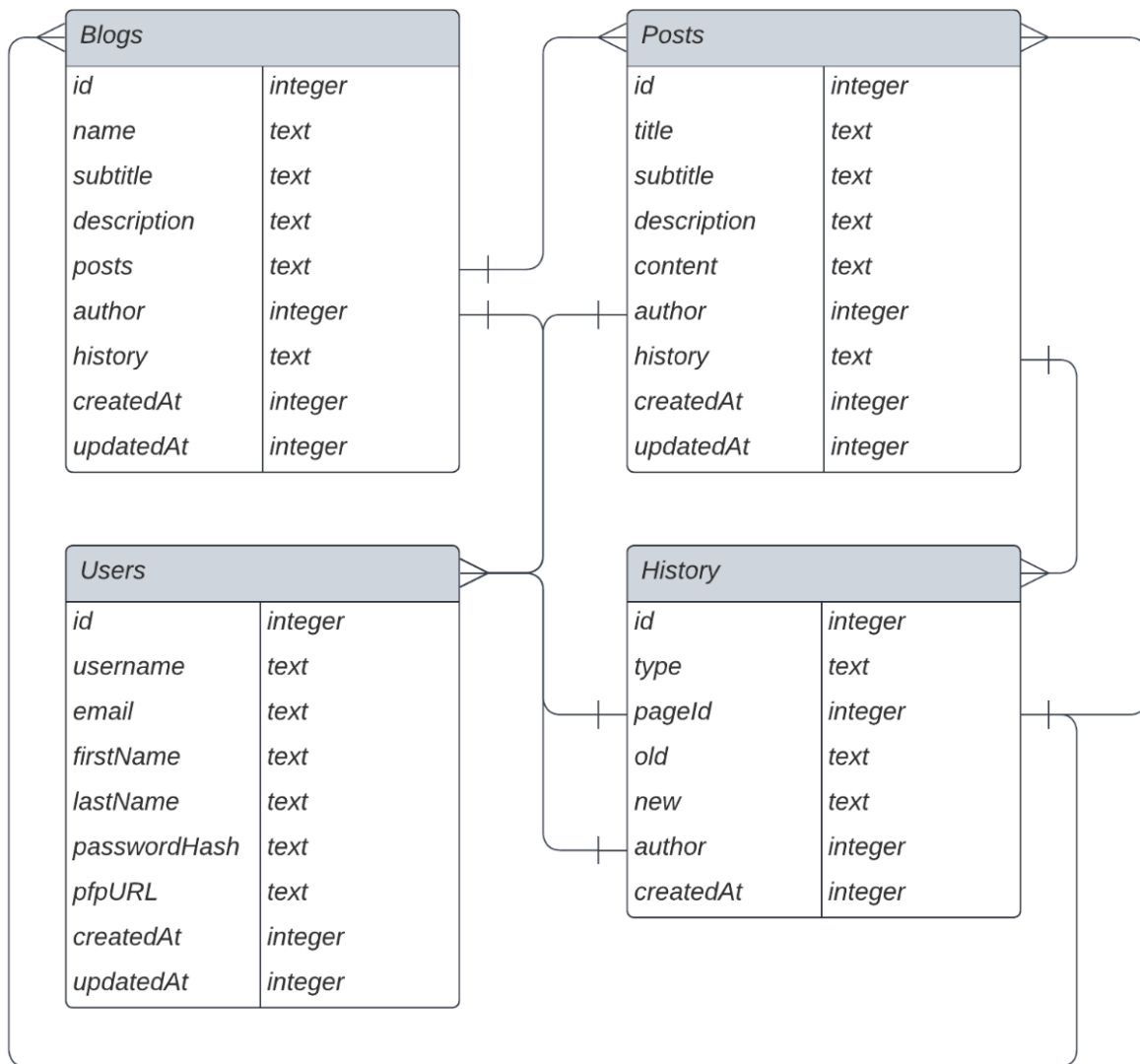
- User table
  - ID (id integer)
  - Username (username text)
  - Email (email text)
  - First name (firstName text)
  - Last name (lastName text)

- Password hash (passwordHash text)
- Profile picture URL (pfpURL text)
- Created At (createdAt integer)
- Updated At (updatedAt integer)
- Blog table
  - ID (id integer)
  - Name (name text)
  - Subtitle (subtitle text)
  - Description (description text)
  - Blog posts (posts text)
  - Author (author text)
  - History (history text - will utilize history database to gather data)
  - Created At (createdAt integer)
  - Updated (updatedAt integer)
- Post table
  - ID (id integer)
  - Title (title text)
  - Subtitle (subtitle text)
  - Summary (summary text)
  - Content (content text)
  - Author (author text)
  - History (history text)
  - Created At (createdAt integer)
  - Updated At (updatedAt integer)
- History table
  - ID (id integer)
  - Type of edit (type text)
  - Edited page ID (pageId integer)
  - Old version (old text)
  - New version (new text)
  - Author (author integer)
  - Created At (createdAt text)

# Database layout

## Database ER diagram (crow's foot)

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## Sitemap

- (/) Homepage

- (/login/) Login page
- (/register/) Register Page
- (/BLOG\_SLUG/) Homepage for user blog
- (/BLOG\_SLUG/post/:POST\_SLUG/) Specific post page for user blog, can have edit button
- (/BLOG\_SLUG/create/) Homepage for creating a post on a blog
- (/BLOG\_SLUG/create/:POST\_SLUG/) Edit a post draft
- (/BLOG\_SLUG/edit/:POST\_SLUG/) Edit a post by slug
- (/settings/) User settings

## Roadmap

1. Construct database schemas and database wrapper functions
2. Build the web application and associated templates
3. Integrate database functionality into the application
4. Create individual features (create post, edit post, view posts, login, etc)
5. Test application
6. Add CSS and settings