

Third Huge Freckled Elephant

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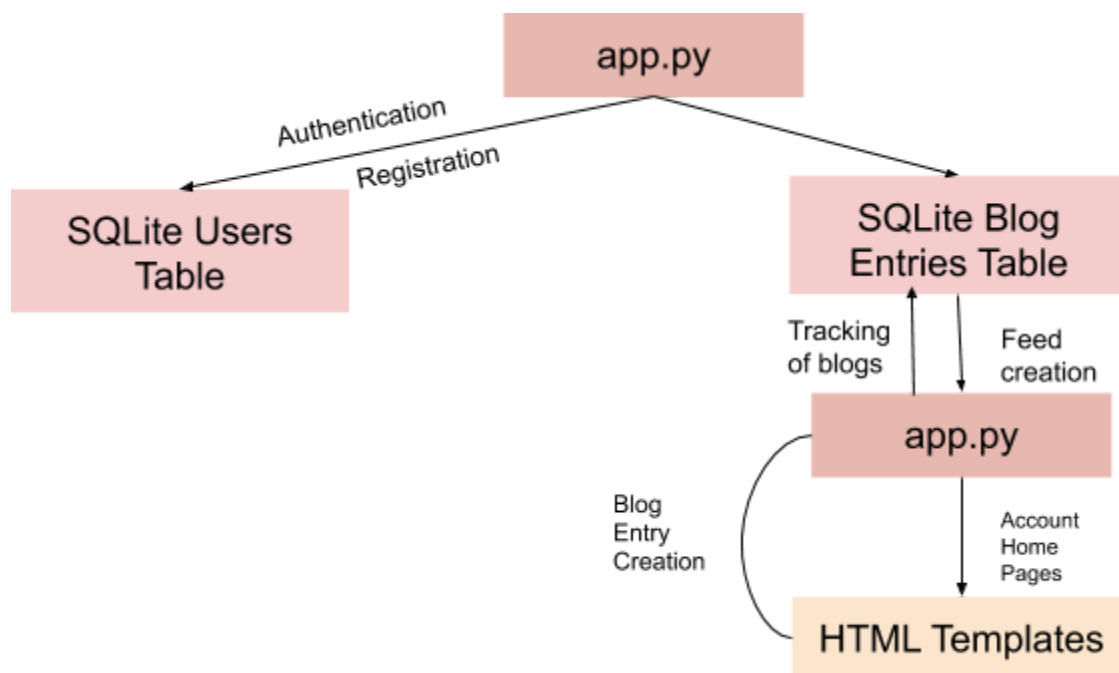
P0 - Da Art of Storytelling

Due 2021-01-xx

Program Components + Relation:

- SQLite Database of Entries/Blogs: creates tables to organize information
- Flask App: serves as the framework for the website and connects front and back end
- HTML Templates and CSS: makes information user-friendly and easy to navigate

Component Map:



Database Organization:

- Database will organize the different users and their information
 - Table One keeps track of their usernames and passwords
 - Table Two keeps track of blogs and their posts -- creation of main feed chronologically would be easier this way
 - Table Three keeps track of individual posts
- Examples:

USERS

user_id (text, primary key)	username (text, unique)	password (text)
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uuid	elephant	123pass
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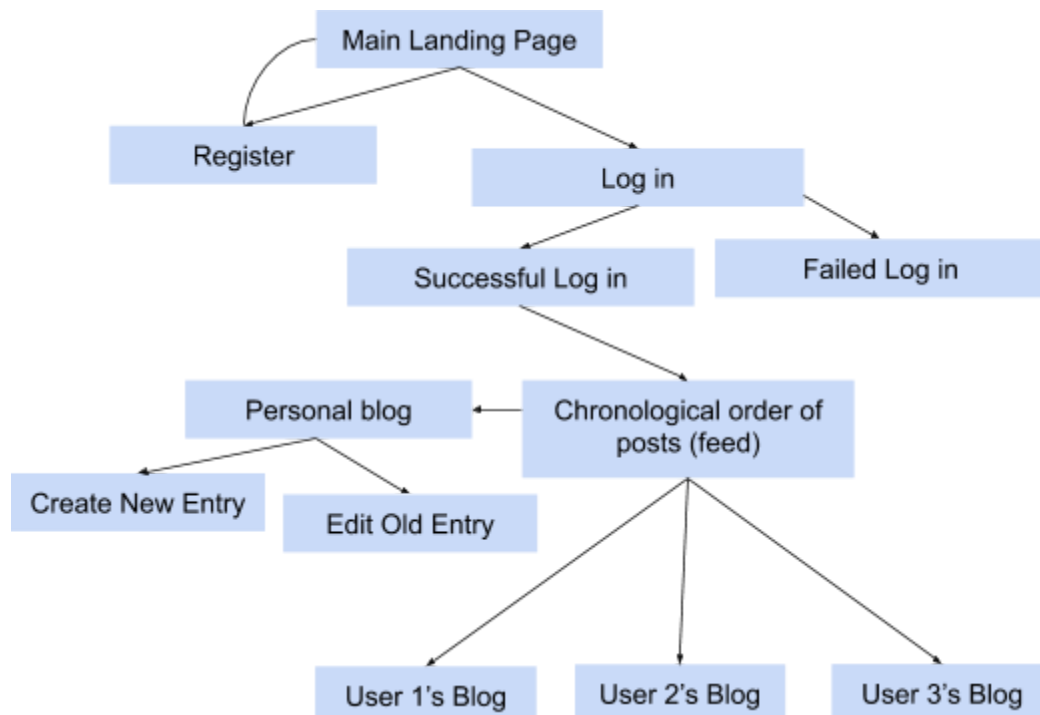
BLOGS

user_id (text)	blog_id (text, primary)	blog_name (text)	post_date (smalldatetime)
uuid	uuid	“How I Spent My Holiday”	yyyy-mm-dd hh:mm:ss

POSTS

user_id (text)	username (text)	blog_id (text)	post_id (text [uuid], unique)	post_date (smalldatetime)	title (text)	content (text)
uuid	“elephant”	uuid	uuid	yyyy-mm-dd hh:mm:ss	“What I Got for Xmas”	“Lots of content”

Site Map:



Pages and Linkages:

- Main Landing Page
 - Register new accounts

- Log into existing account
 - If logged in, users see a feed of blog posts
 - From feed user can access other people's pages
 - All posts created on blog in chronological order displayed
 - Feed → posts will be organized exclusively by date, not by user
 - User can also view their own page
 - New Entry Page
 - Edit old entry Page
 - All posts created by that user displayed in chronological order
 - Grouped by user chronologically on their main page

Breakdown of Tasks (to be divided as move forward):

- Landing Page
- Create Account Feature
- Login Feature
- Home pages for each account
- Main feed page
- Linkages between main feed and home pages for each account

Roles Assigned

- Ethan Shenker (PM)
 - Backend Data Processing
 - Feed creation mechanism
 - Home page creation mechanism
 - Post editing mechanism
 - Blog / Post Creation mechanism
 - Database Interaction
 - Creation of user, post, blog databases
- Saqif Abedin
 - Front end:
 - Main Landing page
 - Log In Authentication
- Andrew Jiang
 - Creation / Maintenance Blog database
 - Implement Login and Registration function
 - Creation of new blogs
- Constance Chen
 - Front End:
 - CSS (fonts, colors scheme, organization)
 - Profile Page

- User Feed
- Blog Creation Page
- Post Creation Page
- Individual Blog Pages
- Site Navigation and linkages

Timeline:

- Over break: Creation of the three databases (Done)
 - Create user feed, profile, blog/post creation functionality
- Monday Night (01/04): Create main landing page and implement login functionality
- Wednesday Night (01/06): Complete front end
- Thursday Night (01/07): Final Aesthetic additions/ check for bugs