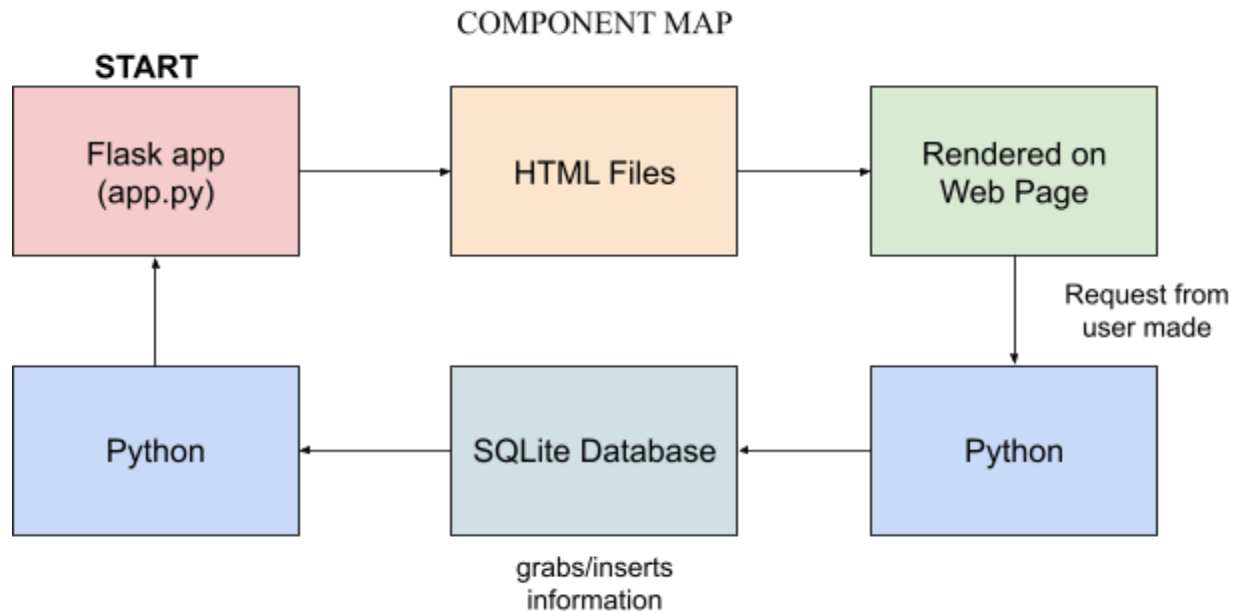


Program Components and Role of Each

- **SQLite Database:** holds our data and information so we can access it to display on the site
 - updates with edits to blogs and existing entries
 - Creates new tables for new blogs
- **Flask:** the framework for our web-based app, connecting and managing the routes and functions
- **Python:** works with Flask, directs our functions and renders templates
 - Pulls information from SQLite and sends to Flask app to be displayed on page
- **HTML/CSS:** foundation and styling for our front-end page



Databases

BLOGS (list of all blogs)

blog_id	name	user_id	creation_date
integer	text	integer	datetime (or text)

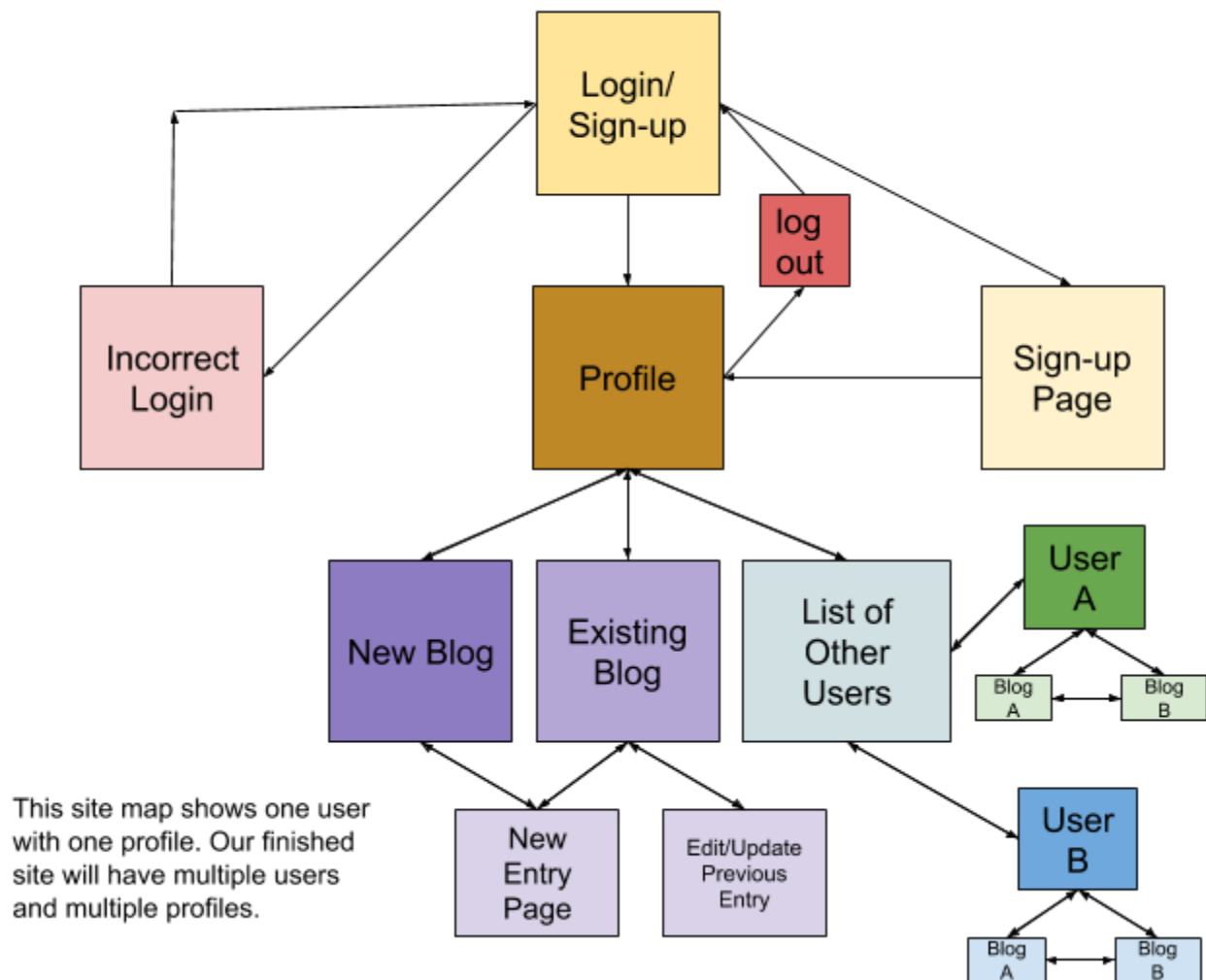
ENTRIES (one table per blog)

entry_id	blog_id	title	content	creation_date
integer	integer	text	text	datetime (or text)

USERS (list of all users)

user_id	username	first_name	last_name	password	blog_ids
integer	text	text	text	text	[integer]

COMPONENT MAP



Task Breakdown

- In general, we all need to figure out how to connect databases to pages (how to access/print tables onto the Flask app (can only view in terminal currently))
- We also need to figure out how to create and manage sqlite tables without csv files
- Everyone will be responsible for creating the python, sqlite, and html files associated with their respective tasks
- **Login/Sign up** (*Dean*)

- Registering users (setting up database of users and passwords, matched with user's profile link)
- Adding a row to table of users, passwords, and user information
- Set up login/register page, sign up page, and incorrect login page
- Check login info with Sqlite table of users and passwords
- Link login/sign up page with incorrect login page
- Link login/sign up page with sign-up page
- Link login/sign up page with profile
- Link profile with logout page, link logout page with login/sign up page
- Add session to keep track of the logged in user
- **Create a new blog, view an existing blog, update/edit blog** (*Maddy and Erin*)
 - Create new blog page
 - Create table
 - Add row to table of blogs
 - View existing blog(s)
 - For each blog, show what is currently in sqlite table (List all entries of a blog's table)
 - Link new entry page
 - Link edit an existing entry page
 - New entry page
 - Add an entry → add a row to the Sqlite table
 - Edit an existing entry page
 - Edit data in Sqlite table
 - Link profile page with new blog page and existing blog(s) page
- **List of all other users (excluding current user) + profile page** (*Kelly*)
 - Create viewable profile page for each user
 - Links to all of user's blogs
 - List of all users (with links to their viewable profile)
 - Once the current visitor clicks on a profile, they should see a list of user's blogs
 - Once visitor clicks on a blog, they should be able to read all entries within that blog