Team E and F (Karl Hernandez, Eric Lo, Amelia Chin, Ari Schechter)
SoftDev
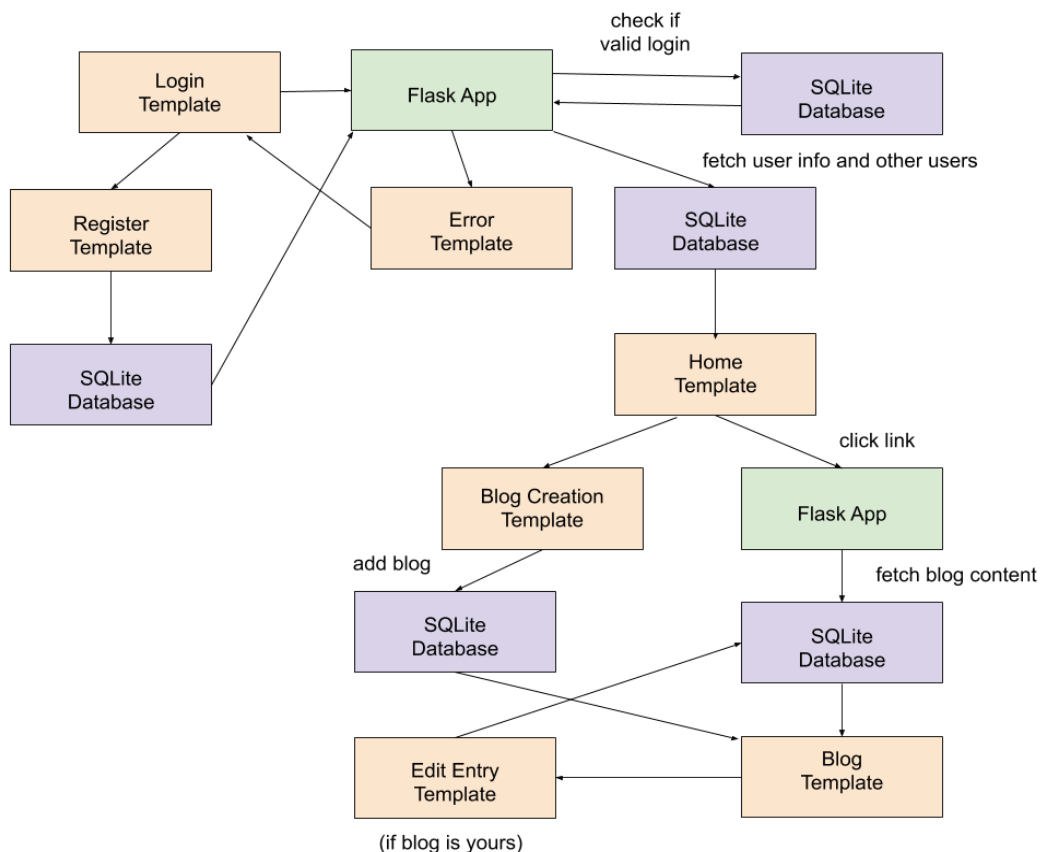P0 -- Da Art of Storytellin' (Pt. 2) DESIGN DOCUMENT
2020-12-19

Program Components and Role of Each:

- **Flask App**: our app framework, manages all our routes
- **Jinja Templates**: has variables and expressions that will be replaced with values when rendered
  - login
  - home
  - user profile
  - error
  - blog creation
  - other user's blog
  - register
  - your blog
  - edit entry
- **SQLite Databases**: holds our information (users, passwords, blog entries, etc) to be used for our site
  - **Database Python Builder**: builds the database in a Python app
- **HTML/CSS Files**: code and styling for our front-end pages

Component Map:

Database Organization:

List of Users:

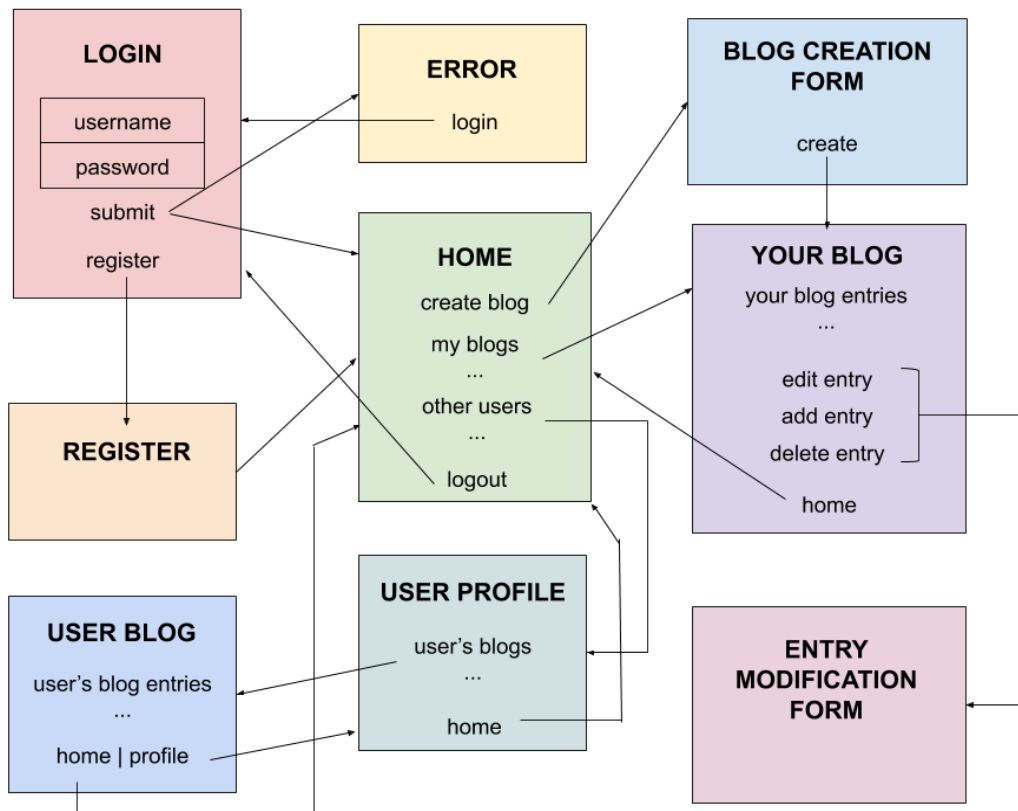| username	password	id
TEXT	TEXT	INT PRIMARY KEY

List of All Blogs:

user id	username	blog title	blog id	date created	blog bio
INT	TEXT	TEXT	INT PRIMARY KEY	DATE	TEXT

List of All Entries:

blog id	username	entry id	entry title	entry content (text only)	date created
INT	TEXT	INT PRIMARY KEY	TEXT	TEXT	DATE

Site Map:

<u>Breakdown of Tasks</u>:
- make Python database builder that will create the SQLite tables -- Ari, Karl
- make Flask app with different routes -- Eric
- make Jinja templates -- Amelia, Karl
    - HTML: Amelia
    - CSS: Karl

<u>Timeline</u>:
- **1st deadline**: login, register, error templates, check if session works, an HTML page to display database info and to check if editing/adding/removing functionality works (basic work on database builder and Flask app) -- end of break/very soon after break
- **2nd deadline**: first attempt at fully functional site (as seen in site and component map), all pages should connect to each other -- 3-5 days after 1st deadline
- **3rd deadline**: testing, fixing bugs -- 2-3 days after 2nd deadline
- **4th deadline**: any additional bonus features and styling (CSS) -- 2-3 days after 3rd deadline